

WELCOME TO PRECISION PLUS VACUUM PARTS

PRECISION PLUS IS THE RECOGNIZED LEADER IN PROVIDING HIGH-QUALITY, LOW-COST VACUUM PUMP REPLACEMENT PARTS. OUR HIGHLY TRAINED, PROFESSIONAL STAFF IS DEDICATED TO PROVIDING SUPERIOR CUSTOMER SERVICE, UNSURPASSED QUALITY AND EXCEPTIONAL VALUE.

WITH OVER 50,000 STOCKED PARTS INCLUDING FILTERS, FLUIDS AND FITTINGS FOR MORE THAN 650 PUMP MODELS, PRECISION PLUS MAKES VACUUM PUMP REPAIR AND MAINTENANCE EASY.

WE ARE PLEASED THAT YOU HAVE SHOWN AN INTEREST IN OUR PRODUCTS AND SERVICES, AND LOOK FORWARD TO SERVING YOU.

GET THE LATEST PRICING 24/7

DOWNLOAD THE LATEST PRICELISTS WITH THE CLICK OF A MOUSE!

FIND THE LATEST PRICING ONLINE AT:

www.precisionplus.com/technical-resources

NOT ONLINE? NO PROBLEM!

CONTACT A REPRESENTATIVE VIA TELEPHONE, EMAIL OR FAX AND WE'LL SEND A LIST OUT TO YOU. CONTACT INFORMATION CAN BE FOUND ON THE 'CONTACT US' PAGE AT THE END OF THIS SECTION.

STAY UP-TO-DATE ON NEW PRODUCTS

YOU DON'T NEED A NEW CATALOG TO BE INFORMED ABOUT OUR NEW PRODUCT OFFERINGS!

SIGN UP FOR OUR BI-MONTHLY NEWSLETTER, THE P+ POST, ON OUR WEBSITE OR VISIT ONE OF OUR SOCIAL NETWORKING SITES. YOU'LL ALSO FIND PRODUCT DATA SHEETS FOR NEW PRODUCTS ONLINE AT:

www.precisionplus.com/technical-resources

DOWNLOAD SCHEMATICS

DID YOU KNOW THAT YOU CAN FIND MANY OF THE SCHEMATICS YOU NEED RIGHT ON OUR WEBSITE?

FIND THE MOST UP-TO-DATE SCHEMATICS OFFERING ONLINE AT:

www.precisionplus.com/technical-resources

DOWNLOAD SDS

DID YOU KNOW THAT YOU CAN FIND THE SDS FOR EACH FLUID & OIL WE SELL RIGHT ON OUR WEBSITE?

FIND THE MOST UP-TO-DATE SDS SHEETS ONLINE AT:

www.precisionplus.com/technical-resources

35 YEARS OF
GROWING
TOGETHER



The P+Post

USE OUR WEBSITE 24/7

NO CATALOG? NO PROBLEM!

FOR THOSE TIMES YOUR CATALOG IS UNAVAILABLE VISIT OUR WEBSITE FOR THE LATEST PRODUCTS, PRICING & MORE! EVERYTHING YOU SEE IN THE CATALOG APPEARS ON OUR ONLINE WEB STORE AND IS AVAILABLE FOR PURCHASE VIA CREDIT CARD OR PURCHASE ORDER (IF APPROVED). ADDITIONAL INFORMATION CAN BE FOUND ON THE 'CONTACT US' PAGE AT THE END OF THIS SECTION.

VISIT US ONLINE AT:

www.precisionplus.com

OUR COMMITMENT TO CUSTOMER SERVICE, VALUE & QUALITY

WE UNDERSTAND THAT YOU NEED A TRUSTWORTHY, COMPETENT BUSINESS PARTNER WHO CAN PROVIDE YOU THE PARTS YOU NEED, WHEN YOU NEED THEM, AND AT A FAIR PRICE. OUR YEARS OF EXPERTISE, COUPLED WITH A DETERMINATION TO PROVIDE EACH CUSTOMER WITH THE BEST POSSIBLE EXPERIENCE, MEANS THAT WE ARE THE RIGHT PARTNER FOR YOU.

100% CUSTOMER SATISFACTION

OUR CUSTOMER SERVICE AND SALES REPRESENTATIVES PROVIDE PROMPT AND ATTENTIVE ASSISTANCE TO YOUR NEEDS. COMPLETE SATISFACTION IS OUR NUMBER ONE GOAL. IF OUR PRODUCTS OR SERVICES EVER FAIL TO MEET YOUR REQUIREMENTS OR EXPECTATIONS, WE ENCOURAGE YOU TO LET US KNOW.

WHAT DOES BEING THE WORLD'S LARGEST VACUUM PUMP REPLACEMENT PART SUPPLIER MEAN?

OVER 6,500 INDIVIDUAL PARTS
FAST & EASY ORDERING
DETAILED PRODUCT SPECS

650+ OEM MODELS COVERED
READILY AVAILABLE PRICING & QUOTING
TECHNICAL SUPPORT & INFORMATION

50,000 ITEMS IN STOCK
ORDER EXPEDITING
CUSTOM KITTING

QUALITY PRODUCTS - ON TIME, EVERY TIME.

AT PRECISION PLUS YOU WILL FIND HIGH-QUALITY PRODUCTS THAT WE GUARANTEE TO MEET OEM PERFORMANCE AT UP TO 45% LESS THAN OEM PRICES. WE REGULARLY CONDUCT ONGOING QUALITY EVALUATIONS ON ALL OF OUR PRODUCT LINES TO ENSURE PRODUCT PERFORMANCE AND CUSTOMER SATISFACTION.

OUR HISTORY

PRECISION PLUS WAS FOUNDED IN 1984 WITH ONE GUIDING PRINCIPLE:
TO PROVIDE THE HIGHEST QUALITY REPLACEMENT PARTS AND SERVICE AT COMPETITIVE PRICES.

SINCE THEN, WE HAVE BECOME THE LARGEST INDEPENDENT SUPPLIER OF VACUUM PUMP REPLACEMENT PARTS IN THE WORLD. LAST YEAR WE SHIPPED OVER 5 MILLION INDIVIDUAL PARTS TO OUR CUSTOMERS. IT IS THE MISSION OF PRECISION PLUS TO EXCEL AS THE WORLD'S LEADING SUPPLIER OF REPLACEMENT VACUUM PUMP PARTS BY PROVIDING ADVANCED TECHNOLOGY PRODUCTS AND SERVICES OF THE HIGHEST QUALITY WHICH ENSURE LONG-TERM CUSTOMER SATISFACTION.

CORPORATE STATEMENT

PRECISION PLUS IS DEDICATED EXCLUSIVELY TO THE SUPPLY OF VACUUM PUMP PARTS AND CONSUMABLES.

WE SUPPLY VACUUM FILTERS, REPLACEMENT PARTS, REPAIR KITS, KF FITTINGS, OILS (FDA APPROVED), ROTORS, STATORS, PLATES, SHAFTS, AND MORE FOR ANYTHING FROM A MINOR REPAIR TO A COMPLETE PUMP REBUILD. WE STOCK READY-TO-SHIP PARTS FOR VIRTUALLY ALL MAJOR OEM PUMP MODELS INCLUDING ALCATEL-ADIXEN, BECKER, BUSCH, EBARA, EDWARDS, FISHER SCIENTIFIC, GALILEO, KINNEY, LEYBOLD-OERLIKON, PFEIFFER, PRECISION SCIENTIFIC, RIETSCHLE, STOKES, ULVAC, VACUUBRAND, VARIAN AND WELCH.

EVERY GENUINE PRECISION PLUS PART IS GUARANTEED TO MEET OEM SPECIFICATIONS. MOST ORDERS ARE SHIPPED WITHIN 24 HOURS, AND OUR CUSTOMERS SAVE FROM 25% TO 45% OFF THE PRICE OF OEM REPLACEMENT COMPONENTS. WE ALSO BACK EVERY PART WE SELL WITH RESPONSIVE TECHNICAL SERVICE AND CUSTOMER SUPPORT.

AS A PART OF EDWARDS VACUUM LLC AND EDWARDS GBMH, PRECISION PLUS IS POSITIONED TO OFFER AN EVER-INCREASING RANGE OF PRODUCTS. OUR HIGHLY-TRAINED, PROFESSIONAL STAFF IS DEDICATED TO PROVIDING SUPERIOR SERVICE, UNSURPASSED QUALITY AND EXCEPTIONAL VALUE.

BECAUSE WE ARE DEDICATED EXCLUSIVELY TO THE SUPPLY OF VACUUM PUMP REPLACEMENT PARTS AND CONSUMABLES, WE HAVE THE INVENTORY, THE EXPERIENCE, AND THE ON-SITE EXPERTISE TO OFFER YOU TOP-NOTCH PARTS FOR LESS THAN WHAT IS TYPICALLY CHARGED BY THE OEMS. ORDERING IS FAST AND EASY. EACH PART WE SUPPLY IS NUMBERED IDENTICALLY TO ITS OEM COUNTERPART FOR CLEAR CROSS-REFERENCING. THERE IS NO MINIMUM ORDER AMOUNT, SO YOU PURCHASE ONLY THE ITEMS YOU REALLY NEED.

ORDERING INFORMATION



SALES & DISTRIBUTION CONTACT INFORMATION

AMERICAS CORPORATE OFFICE SALES & DISTRIBUTION CENTER

PRECISION PLUS VACUUM PARTS
6416 INDUCON DRIVE W
SANBORN, NY 14132
UNITED STATES

TOLL FREE PHONE: 1-800-526-2707
PHONE: +1-716-297-2039
TOLL FREE FAX: 1-800-447-6266
FAX: +1-716-297-8210

INFO@PRECISIONPLUS.COM

HOURS OF OPERATION
M-F: 8:30AM TO 5:30PM EST

EUROPE, MIDDLE EAST & AFRICA SALES & DISTRIBUTION CENTER

PRECISION PLUS VACUUM PARTS
PHILIPP-HAUCK-STRASSE 2
85622 FELDKIRCHEN
DEUTSCHLAND

PHONE: + 49 (0)89 94385020
FAX: +49 (0)89 943850239

EMEAINFO@PRECISIONPLUS.COM

HOURS OF OPERATION
M-TH: 9:00AM TO 5:00PM CET
FRI:9:00AM TO 4:00PM CET

ASIA-PACIFIC SALES & DISTRIBUTION CENTER

PRECISION PLUS VACUUM PARTS
42 LOYANG DRIVE
LOYANG INDUSTRIAL ESTATE
SINGAPORE 508962

PHONE: +65 6541 3111
FAX: +65 6725 0560

ASIAINFO@PRECISIONPLUS.COM

HOURS OF OPERATION
M-F: 8:30AM to 5:30 PM SGT

CHINA SALES OFFICE

PRECISION PLUS VACUUM PARTS
301, BUILDING 7
NO. 3000, LONGDONG AVENUE
ZHANGJIANG JIDIANGANG PHASE 1
PUDONG, SHANGHAI CHINA - 201 203

TOLL FREE PHONE: 400 111 9618
PHONE: + 86 21 3116 7052
FAX: +86 21 6091 1357

CHINAINFO@PRECISIONPLUS.COM

OBTAINING CREDIT TERMS

THOSE CUSTOMERS THAT WISH TO OBTAIN CREDIT TERMS WITH PRECISION PLUS MUST FIRST COMPLETE A CREDIT APPLICATION. THIS APPLICATION CAN BE SUBMITTED ALONG WITH THE NEW CUSTOMER FORM AT TIME OF ORDER. PRECISION PLUS IS CURRENTLY ABLE TO ISSUE CREDIT TERMS UP TO 30 DAYS WITH APPROVAL. A CREDIT APPLICATION CAN BE OBTAINED BY CONTACTING A CUSTOMER SERVICE REPRESENTATIVE VIA ONE OF THE ABOVE METHODS OR ONLINE AT WWW.PRECISIONPLUS.COM .

TERMS & CONDITIONS OF SALE

PRICES AND SPECIFICATIONS ARE SUBJECT TO CHANGE AT ANY TIME, WITHOUT NOTICE. THIS CATALOG IS INTENDED AS A GUIDE ONLY. CURRENT PRICING WILL BE VERIFIED WHEN ORDER IS PLACED. CURRENT PRICING CAN ALSO BE OBTAINED ONLINE AT WWW.PRECISIONPLUS.COM.

FOR FULL EXPLANATION OF TERMS & CONDITIONS, PLEASE REFER TO THE 'TERMS & CONDITIONS OF EQUIPMENT SALE' FOUND ON OUR WEB SITE, WWW.PRECISIONPLUS.COM, OR CONTACT YOUR SALES REPRESENTATIVE.

MAKING YOUR PAYMENT

INVOICE REMITTANCE:

PRECISION PLUS IS A PART OF EDWARDS VACUUM LLC & EDWARDS GMBH. AS SUCH, INVOICES ARE GENERATED AND ISSUED BY EDWARDS VACUUM. PLEASE REFER TO THE INFORMATION INCLUDED ON YOUR INVOICE TO MAKE YOUR PAYMENT.

PLEASE NOTE THAT PAYMENT DETAILS MAY CHANGE FROM TIME TO TIME. TO BE SURE THAT YOUR PAYMENT WILL BE RECEIVED ON-TIME, PLEASE REFER TO EACH INVOICE INDIVIDUALLY. THIS ENSURES THAT YOU RECEIVE THE MOST CURRENT ADDRESSES AND BANK INFORMATION AVAILABLE.

ACCEPTABLE FORMS OF PAYMENT:

PRECISION PLUS CURRENTLY ACCEPTS VISA, MASTERCARD AND AMERICAN EXPRESS CREDIT CARDS. IN ADDITION, CUSTOMERS CAN APPLY FOR NET30 CREDIT TERMS, IN WHICH PAYMENT VIA CHECK OR WIRE TRANSFER IS ACCEPTED. PLEASE SEE THE 'OBTAINING CREDIT TERMS' SECTION ABOVE FOR MORE INFORMATION.

SHIPPING INFORMATION

FREIGHT CHARGES ARE PREPAID BY PRECISION PLUS AND ADDED TO YOUR INVOICE SEPARATE FROM YOUR ORDER TOTAL, APPLICABLE TAXES, ETC. UNLESS OTHERWISE SPECIFIED AT TIME OF ORDER. EXPEDITED SHIPPING IS AVAILABLE UPON REQUEST AT AN ADDITIONAL CHARGE.

RETURN POLICY

ALL RETURNS MUST BE ACCOMPANIED BY A RETURN AUTHORIZATION NUMBER (RAN) AND COMPLETED HEALTH & SAFETY FORM. A RAN MAY BE OBTAINED BY CALLING OUR CUSTOMER SERVICE DEPARTMENT. PENDING INSPECTION, CREDIT WILL BE ISSUED ON THE ORIGINAL INVOICE AMOUNT (LESS ANY APPLICABLE RESTOCKING CHARGES). THE CUSTOMER WILL BE RESPONSIBLE FOR ALL SHIPPING CHARGES (UNLESS PRIOR APPROVAL IS GIVEN BY A PRECISION PLUS REPRESENTATIVE). CUSTOMER MUST NOTIFY PRECISION PLUS OF THEIR DESIRE TO RETURN GOODS WITHIN 15 DAYS OF RECEIPT.

IF RETURNING GOODS FOR REPLACEMENT, CUSTOMER WILL BE BILLED FOR THE REPLACEMENT ITEMS AND A CREDIT WILL BE ISSUED UPON RECEIPT AND INSPECTION OF THE RETURNED ITEMS.

NOTIFICATION OF INCORRECT SHIPMENT BY PRECISION PLUS MUST BE REPORTED WITHIN 5 DAYS OF RECEIPT. A CORRECTED SHIPMENT WILL BE MADE AS SOON AS POSSIBLE AT PRECISION PLUS' EXPENSE.

DAMAGE OR LOSS:

PLEASE ADVISE PRECISION PLUS OF ANY DAMAGED MATERIALS RECEIVED. DAMAGE OR LOSS CLAIMS SHOULD BE MADE DIRECTLY WITH THE FREIGHT CARRIER. PRECISION PLUS IS NOT LIABLE ONCE THE GOODS LEAVE OUR FACILITY.

| | |
|-----------------------------------|------------|
| ALCATEL | 5 |
| ANEST-IWATA | 21 |
| BECKER | 22 |
| BUSCH | 26 |
| EBARA | 36 |
| EDWARDS | 40 |
| FISHER SCIENTIFIC | 56 |
| GALILEO | 59 |
| KINNEY | 60 |
| LEYBOLD | 63 |
| PFEIFFER | 79 |
| PRECISION SCIENTIFIC | 83 |
| RIETSCHE | 85 |
| STOKES | 89 |
| ULVAC | 95 |
| VACUUBRAND | 97 |
| VARIAN | 98 |
| WELCH | 103 |
| FLUIDS & OILS | 111 |
| FITTINGS | 119 |

*** LIMITED STOCK
ITEM - PLEASE CHECK
WITH CUSTOMER CARE
FOR COMPONENT
AVIALABILITY.**

KITS

PUMP & BOOSTER REPAIR KITS

ENGINEERED TO EXACTING STANDARDS AND DESIGNED PART FOR PART TO ENSURE OPTIMUM PUMP PERFORMANCE.

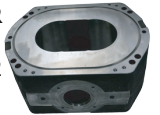
| MODEL(S) | PART NUMBER |
|--------------------------|-------------|
| ADP122L (PUMP) | 110910 |
| ADP122P (PUMP) | 110911 |
| RSV602 (BOOSTER) | 106927 |
| ADS602L (PUMP & BOOSTER) | ADS602L |
| ADS602P (PUMP & BOOSTER) | ADS602P |
| ADS602H (PUMP & BOOSTER) | ADS602H |



FEATURED SPARES

*STATORS

| MODEL(S) | PART NUMBER |
|---------------------|-------------|
| ADP122 (HP STATOR) | 110931 |
| ADP122 (LP STATOR) | 110932 |
| ADP122 (LP1 STATOR) | 105891 |
| ADP122 (LP2 STATOR) | 110930 |
| ADP122 (LP3 STATOR) | 110929 |
| ADP122 (LP4 STATOR) | 110927 |
| ADP122 (LP5 STATOR) | 110925 |



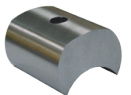
*SHAFTS

| MODEL(S) | PART NUMBER |
|------------------------|-------------|
| ADP122 (DRIVING SHAFT) | 111242 |
| ADP122 (DRIVEN SHAFT) | 111243 |



*LOBES

| MODEL(S) | PART NUMBER |
|---------------------------|-------------|
| ADP122 (HP LOBE -SHORT) | 105149 |
| ADP122 (LP1 LOBE -MEDIUM) | 329691 |
| ADP122 (LP2-3 LOBE -LONG) | 329690 |



*OTHER COMPONENTS

| MODEL(S) | PART NUMBER |
|-------------------------------------|-------------|
| ADP122 (COOL PLATE) | 111232 |
| ADP122 (HP SUPPORT) | 105961 |
| ADP122 (LP SUPPORT) | 105148 |
| ADP122 (HP BEARING CLAMPING FLANGE) | 105157 |
| ADP122 (DEFLECTOR) | 105158 |
| RSV602 (DRIVING IMPELLER) | 060128 |
| RSV602 (DRIVEN IMPELLER) | 060102 |





KITS

ALCATEL MAINTENANCE KIT

REPAIR KITS INCLUDE O-RINGS, BEARINGS, GREASE AND WAVE WASHERS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|-----------|-------------|
| ACP 28/40 | 109350 |
| ACP 15 | 650064 |



FEATURED SPARES

BEARINGS

| MODEL(S) | PART NUMBER |
|--------------|-------------|
| ACP 28/40 | 330055 |
| ACP 28/40 | 330056 |
| ACP 15/28/40 | 330057 |
| ACP 15/28/40 | 330058 |



BEARING PLATES

| MODEL(S) | PART NUMBER |
|-----------|-------------|
| ACP 28/40 | 370006 |
| ACP 28/40 | 370005 |



TEFLON SHAFT SEALS

| MODEL(S) | PART NUMBER |
|---------------------------|-------------|
| ACP 15/28/40 (DOUBLE LIP) | 310110 |
| ACP 28/40 (DOUBLE LIP) | 310111 |



KITS

MAJOR REPAIR KITS

MAJOR REPAIR KITS INCLUDE LOW PRESSURE BEARINGS, HIGH PRESSURE BEARINGS, TEFLON SHAFT SEALS, FOMBLIN GREASE, SHIMS, WAVED WASHERS, O-RINGS & OTHER COMPONENTS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 90576 |



FEATURED SPARES

SILENCERS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 40095 |



BEARINGS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 330059 |
| ALL | 330023 |
| ALL | 330039 |



TEFLON SHAFT SEALS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 079298 |



RECOMMENDED GREASES

| TYPE | PART NUMBER |
|-----------------|-------------|
| FOMBLIN (.5 OZ) | 870012 |



KITS

BOOSTER SERVICE KITS

BOOSTER SERVICE KITS INCLUDE FRICTION RINGS, OIL FILTER, BALL BEARINGS, SIGHT GLASS, SHIMS, SEALS, O-RINGS & OTHER COMPONENTS FOR COMPLETE OVERHAUL.

| MODEL(S) | PART NUMBER |
|--------------------|-------------|
| 151, 151 B | 51990 |
| 301/601, 301/601 B | 51992 |



FEATURED SPARES

BOOSTER LIP SEALS

| MODEL(S) | PART NUMBER |
|-----------------|-------------|
| ALL | 40095 |
| ALL (39.5X52X8) | 79174 |



BOOSTER SIGHT GLASSES

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 83546 |



BOOSTER FRICTION RINGS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 510035 |



BOOSTER BALL BEARINGS

| TYPE | PART NUMBER |
|------|-------------|
| ALL | 76522 |



KITS

FRONT SEAL KITS

MODEL(S)

ALL

PART NUMBER

65875

MINOR REPAIR KITS

MINOR REPAIR KITS INCLUDE O-RINGS, GASKETS, WASHERS, SHAFT SEALS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

MODEL(S)

ALL

PART NUMBER

103911



MAJOR REPAIR KITS

MAJOR REPAIR KITS INCLUDE ALL COMPONENTS OF MINOR KITS PLUS VANES, SPRINGS, SIGHT GLASS & COUPLING ELEMENT FOR MAJOR OVERHAUL.

MODEL(S)

1005 SD

1010 SD

1015 SD

1021 SD

PART NUMBER

104622FR

104623FR

104643FR

104644FR

2005 SD

2010 SD

2015 SD

2021 SD

103902FR

103903FR

103904FR

103905FR



FEATURED SPARES

ROTORS

MODEL(S)

2005 SD

2010 SD

2015 SD

2021 SD

2005-2021 SD

PART NUMBER

(1ST-LP STAGE) 65745

(1ST-LP STAGE) 65749

(1ST-LP STAGE) 65750

(1ST-LP STAGE) 65751

(2ND-HP STAGE) 65852



STATORS

MODEL(S)

2005 SD

2010 SD

2015 SD

2021 SD

2005-2021 SD

PART NUMBER

(1ST-LP STAGE) 103507

(1ST-LP STAGE) 103512

(1ST-LP STAGE) 103510

(1ST-LP STAGE) 103393

(2ND-HP STAGE) 103409



PLATES

MODEL(S)

2005-2021 SD

2005-2021 SD

2005-2021 SD

PART NUMBER

(CENTER) 103408

(FRONT) 103401

(REAR) 103485



VANES

MODEL(S)

2005 SD

2010 SD

2015 SD

2021 SD

2005-2021 SD

PART NUMBER

(1ST/2ND-LP STAGE) 65760FR

(1ST-LP STAGE) 65757FR

(1ST-LP STAGE) 65758FR

(1ST-LP STAGE) 65759FR

(1ST-HP STAGE) 65756FR



SHAFT SEALS

MODEL(S)

ALL

PART NUMBER

(VITON) 82063



RECOMMENDED OILS

TYPE

PLUS 19 (1L/1.06QT)
GENERAL PURPOSE OIL

PLUS GOLD (1L/1.06QT)
FULLY SYNTHETIC OIL

PLUS FF (20L/5.28GAL)
FULLY SYNTHETIC OIL

PART NUMBER

PP19001

PPGOLD001

PPFF001





KITS

FRONT SEAL KITS

| MODEL(S) | PART NUMBER |
|-------------------|-------------|
| 2005-2021 C1/C2/I | 65612 |

MINOR REPAIR KITS

MINOR REPAIR KITS INCLUDE O-RINGS, GASKETS, WASHERS, SHAFT SEALS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|-----------------|-------------|
| 2005-2021 C1/C2 | 104975 |
| 2005-2021 I | 103912 |



MAJOR REPAIR KITS

MAJOR REPAIR KITS INCLUDE ALL COMPONENTS OF MINOR KITS PLUS VANES, SPRINGS, SIGHT GLASS & COUPLING ELEMENT FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 2005 C1 | 104976FR |
| 2010 C1 | 104977FR |
| 2015 C1 | 104978FR |
| 2021 C1 | 104979FR |
| 2010 C2 | 104614FR |
| 2015 C2 | 104615FR |
| 2021 C2 | 104616FR |
| 2005 I | 103906FR |
| 2010 I | 103907FR |
| 2015 I | 103908FR |
| 2021 I | 103909FR |



FEATURED SPARES

ROTORS

| MODEL(S) | PART NUMBER |
|----------|----------------------|
| 2005 C1 | (1ST-LP STAGE) 65601 |
| 2005 I | (1ST-LP STAGE) 65745 |
| 2010 I | (1ST-LP STAGE) 65749 |
| 2015 I | (1ST-LP STAGE) 65750 |
| 2021 I | (1ST-LP STAGE) 65751 |



| | |
|------------|----------------------|
| 2010 C1/C2 | (1ST-LP STAGE) 65801 |
| 2015 C1/C2 | (1ST-LP STAGE) 65802 |
| 2021 C1/C2 | (1ST-LP STAGE) 65803 |



| | |
|-------------|-----------------------|
| 2005-2021 I | (2ND-HP STAGE) 103417 |
|-------------|-----------------------|

STATORS

| MODEL(S) | PART NUMBER |
|--------------|-----------------------|
| ALL | (2ND-HP STAGE) 103409 |
| 2005 C1/I | (1ST-LP STAGE) 103507 |
| 2010 C1/C2/I | (1ST-LP STAGE) 103512 |
| 2015 C1/C2/I | (1ST-LP STAGE) 103510 |
| 2021 C1/C2/I | (1ST-LP STAGE) 103393 |



PLATES

| MODEL(S) | PART NUMBER |
|-----------------|-----------------|
| 2005-2021 C1/C2 | (FRONT) 103396 |
| 2005-2021 C1/C2 | (CENTER) 103410 |
| 2005-2021 C1/C2 | (REAR) 103398 |



| | |
|-------------|-----------------|
| 2005-2021 I | (FRONT) 103401 |
| 2005-2021 I | (CENTER) 103408 |
| 2005-2021 I | (REAR) 103411 |



VANES

| MODEL(S) | PART NUMBER |
|--------------------------------|------------------------|
| 2005 C1/C2/I(1ST/2ND-LP STAGE) | 65760FR |
| 2010 C1/C2/I | (1ST-LP STAGE) 65757FR |
| 2015 C1/C2/I | (1ST-LP STAGE) 65758FR |
| 2021 C1/C2/I | (1ST-LP STAGE) 65759FR |
| ALL | (1ST-HP STAGE) 65756FR |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (20L/5.28GAL) FULLY SYNTHETIC OIL | PPFF001 |



KITS

FRONT SEAL KITS

MODEL(S)

ALL

PART NUMBER

65875

MINOR REPAIR KITS

MINOR REPAIR KITS INCLUDE O-RINGS, GASKETS, WASHERS, SHAFT SEALS & OTHER COMPONENTS FOR LIGHT OVERHAUL..

MODEL(S)

1005, 2005-2021

PART NUMBER

65874



MAJOR REPAIR KITS

MAJOR REPAIR KITS INCLUDE ALL COMPONENTS OF MINOR KITS PLUS VANES, SPRINGS, SIGHT GLASS & COUPLING ELEMENT FOR MAJOR OVERHAUL.

MODEL(S)

2005

2010

2015

2021

PART NUMBER

65885FR

65883FR

65882FR

65881FR



FEATURED SPARES

ROTORS

MODEL(S)

2005

2010

2015

2021

2010-2021

PART NUMBER

(1ST-LP STAGE) 65745

(1ST-LP STAGE) 65749

(1ST-LP STAGE) 65750

(1ST-LP STAGE) 65751

(2ND-HP STAGE) 65728



SHAFT SEALS

MODEL(S)

ALL

PART NUMBER

(VITON) 82063



VANES

MODEL(S)

2005

2010

2015

2021

2010-2021

PART NUMBER

(1ST-LP & 2ND-HP STAGE) 65760FR

(1ST-LP STAGE) 65757FR

(1ST-LP STAGE) 65758FR

(1ST-LP STAGE) 65759FR

(1ST-HP STAGE) 65756FR



RECOMMENDED OILS

TYPE

PLUS 19 (1L/1.06QT)
GENERAL PURPOSE OIL

PLUS GOLD (1L/1.06QT)
FULLY SYNTHETIC OIL

PLUS FF (20L/5.28GAL)
FULLY SYNTHETIC OIL

PART NUMBER

PP19001

PPGOLD001

PPFF001



KITS

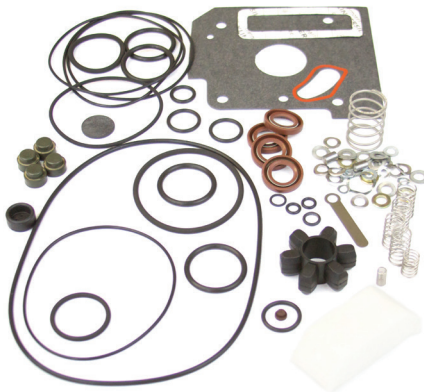
FRONT SEAL KITS

| MODEL(S) | PART NUMBER |
|-----------------------------|-------------|
| 1005/2005 C, 2010-2021 C/CP | 65612 |

MINOR REPAIR KITS

MINOR REPAIR KITS INCLUDE O-RINGS, GASKETS, WASHERS, SHAFT SEALS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

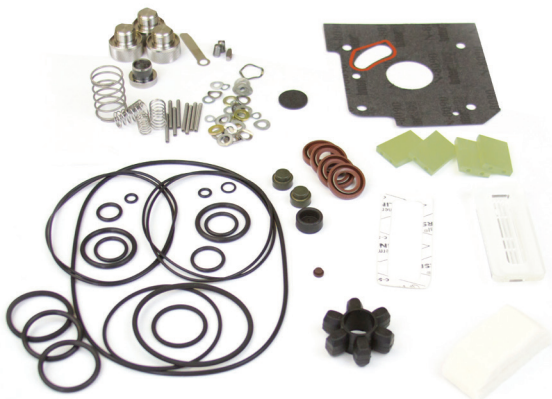
| MODEL(S) | PART NUMBER |
|-----------------------------|-------------|
| 1005/2005 C, 2010-2021 C/CP | 65611 |



MAJOR REPAIR KITS

MAJOR REPAIR KITS INCLUDE ALL COMPONENTS OF MINOR KITS PLUS VANES, SPRINGS, SIGHT GLASS & COUPLING ELEMENT FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|-----------|-------------|
| 2005 C/CP | 65606FR |
| 2010 C/CP | 65609FR |
| 2015 C/CP | 65613FR |
| 2021 C/CP | 65615FR |



FEATURED SPARES

ROTORS

| MODEL(S) | PART NUMBER |
|-----------|----------------------|
| 2005 C | (1ST-LP STAGE) 65601 |
| 2005 C | (2ND-HP STAGE) 65602 |
| 2010 C/CP | (1ST-LP STAGE) 65801 |
| 2015 C/CP | (1ST-LP STAGE) 65802 |
| 2021 C/CP | (1ST-LP STAGE) 65803 |



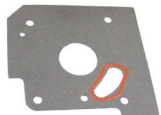
SHAFT SEALS

| MODEL(S) | PART NUMBER |
|----------|---------------|
| ALL | (VITON) 82063 |



GASKETS

| MODEL(S) | PART NUMBER |
|----------|--------------|
| ALL | (CASE) 65795 |



VANES

| MODEL(S) | PART NUMBER |
|-----------------------------------|-------------|
| 2005 C/CP (1ST-LP & 2ND-HP STAGE) | 65760FR |
| 2010 C/CP (1ST-LP STAGE) | 65757FR |
| 2015 C/CP (1ST-LP STAGE) | 65758FR |
| 2021 C/CP (1ST-LP STAGE) | 65759FR |
| 2010-21 C/CP (1ST-HP STAGE) | 65756FR |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (20L/5.28GAL) FULLY SYNTHETIC OIL | PPFF001 |



KITS

MINOR REPAIR KITS

MINOR REPAIR KITS INCLUDE COUPLING, ELEMENT, C-CLIPS, O-RINGS, GASKETS, WASHERS, SHAFT SEALS & OTHER COMPONENTS FOR LIGHT OVERHAULS. AVAILABLE IN VITON OR BUNA VERSIONS.

| MODEL(S) | PART NUMBER |
|-------------------------------|-------------|
| 2004/2008/2012/2020 A (VITON) | 52610 |
| 2004/2008/2012/2020 A (BUNA) | 52610B |
| 2100 A | 54663 |



MAJOR REPAIR KITS

MAJOR REPAIR KITS INCLUDE ALL COMPONENTS OF MINOR KITS PLUS VANES, SPRINGS & SIGHT GLASS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 2004 A | 52614FR |
| 2008 A | 52613FR |
| 2012 A | 52611FR |
| 2020 A | 52982FR |
| 2100 A | 54595 |



FEATURED SPARES

ROTORS

| MODEL(S) | PART NUMBER |
|-------------|----------------------|
| 2004 A | (1ST-LP STAGE) 52513 |
| 2008 A | (1ST-LP STAGE) 52512 |
| 2012 A | (1ST-LP STAGE) 52509 |
| 2004-2012 A | (2ND-HP STAGE) 52715 |



STATORS

| MODEL(S) | PART NUMBER |
|-------------|----------------------|
| 2004 A | (1ST-LP STAGE) 52572 |
| 2008A | (1ST-LP STAGE) 52582 |
| 2012 A | (1ST-LP STAGE) 52574 |
| 2004-2012 A | (2ND-HP STAGE) 52711 |



PLATES

| MODEL(S) | PART NUMBER |
|-------------|----------------|
| 2004-2012 A | (FRONT) 52575 |
| 2004-2012 A | (CENTER) 52573 |
| 2004-2012 A | (REAR) 52686 |



VANES

| MODEL(S) | PART NUMBER |
|-------------|------------------------|
| 2004 A | (1ST-LP STAGE) 83946FR |
| 2008A | (1ST-LP STAGE) 53106FR |
| 2012 A | (1ST-LP STAGE) 83945FR |
| 2020 A | (1ST-LP STAGE) 52959FR |
| 2004-2012 A | (2ND-HP STAGE) 83946FR |
| 2020 A | (2ND-HP STAGE) 52958FR |
| 2100 A | 83624G |
| 2100 A | 83625G |



SHAFT SEALS

| MODEL(S) | PART NUMBER |
|-------------|---------------|
| 2004-2020 A | (VITON) 82063 |
| 2100 A | 82073 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |

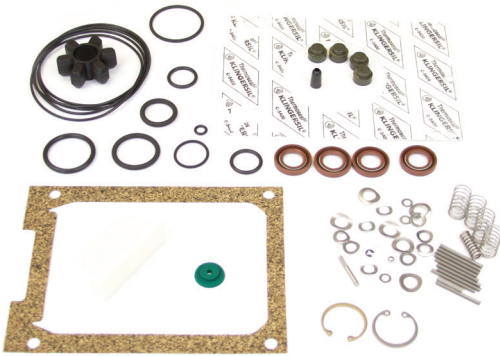


KITS

MINOR REPAIR KITS

MINOR REPAIR KITS INCLUDE COUPLING ELEMENT, C-CLIPS, O-RINGS, GASKETS, WASHERS, SHAFT SEALS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 52624 |



MAJOR REPAIR KITS

MAJOR REPAIR KITS INCLUDE ALL COMPONENTS OF MINOR KITS PLUS VANES, SPRINGS & SIGHT GLASS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 2004 AC | 52614ACFR |
| 2008 AC | 52626FR |
| 2012 AC | 52625FR |
| 2020 AC | 52984FR |



FEATURED SPARES

ROTORS

| MODEL(S) | PART NUMBER |
|--------------|----------------------|
| 2012 AC | (1ST-LP STAGE) 52533 |
| 2004-2012 AC | (2ND-HP STAGE) 52715 |



STATORS

| MODEL(S) | PART NUMBER |
|--------------|----------------------|
| 2004 AC | (1ST-LP STAGE) 52572 |
| 2008 AC | (1ST-LP STAGE) 52582 |
| 2012 AC | (1ST-LP STAGE) 52574 |
| 2008-2012 AC | (2ND-HP STAGE) 52711 |



PLATES

| MODEL(S) | PART NUMBER |
|--------------|---------------|
| 2004-2012 AC | (FRONT) 52575 |
| 2004-2012 AC | (REAR) 52687 |



VANES

| MODEL(S) | PART NUMBER |
|--------------|------------------------|
| 2004 AC | (1ST-LP STAGE) 83946FR |
| 2008 AC | (1ST-LP STAGE) 53106FR |
| 2012 AC | (1ST-LP STAGE) 83945FR |
| 2020 AC | (1ST-LP STAGE) 52959FR |
| 2004-2012 AC | (2ND-HP STAGE) 83946FR |
| 2020 AC | (2ND-HP STAGE) 52958FR |



SHAFT SEALS

| MODEL(S) | PART NUMBER |
|----------|---------------|
| ALL | (VITON) 82063 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (20L/5.28GAL) FULLY SYNTHETIC OIL | PPFF001 |



KITS

MINOR REPAIR KITS

MINOR REPAIR KITS INCLUDE COUPLING ELEMENT, C-CLIPS, O-RINGS, GASKETS, WASHERS, SHAFT SEALS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 52833 |



MAJOR REPAIR KITS

MAJOR REPAIR KITS INCLUDE ALL COMPONENTS OF MINOR KITS PLUS VANES, SPRINGS & SIGHT GLASS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 2012 CP | 52834FR |
| 2020 CP | 52983FR |



FEATURED SPARES

ROTORS

| MODEL(S) | PART NUMBER |
|------------------------|-------------|
| 2012 CP (1ST-LP STAGE) | 52533 |
| 2012 CP (2ND-HP STAGE) | 52715 |



STATORS

| MODEL(S) | PART NUMBER |
|------------------------|-------------|
| 2012 CP (1ST-LP STAGE) | 52574 |
| 2012 CP (2ND-HP STAGE) | 52711 |



PLATES

| MODEL(S) | PART NUMBER |
|-----------------|-------------|
| 2012 CP (FRONT) | 52575 |
| 2012 CP (REAR) | 52687 |



VANES

| MODEL(S) | PART NUMBER |
|------------------------|-------------|
| 2012 CP (1ST-LP STAGE) | 83945FR |
| 2020 CP (1ST-LP STAGE) | 52959FR |
| 2012 CP (2ND-HP STAGE) | 83946FR |
| 2020 CP (2ND-HP STAGE) | 52958FR |



SHAFT SEALS

| MODEL(S) | PART NUMBER |
|-------------|-------------|
| ALL (VITON) | 82063 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (20L/5.28GAL) FULLY SYNTHETIC OIL | PPFF001 |





KITS

MINOR REPAIR KITS

MINOR REPAIR KITS INCLUDE COUPLING ELEMENT, C-CLIPS, O-RINGS, GASKETS, WASHERS, SHAFT SEALS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 2033 SD | 54285 |
| 2063 SD | 54485 |



MAJOR REPAIR KITS

MAJOR REPAIR KITS INCLUDE ALL COMPONENTS OF MINOR KITS PLUS VANES, SPRINGS & SIGHT GLASS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 2033 SD | 54288KIT |
| 2063 SD | 54487KIT |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (20L/5.28GAL) FULLY SYNTHETIC OIL | PPFF001 |

FEATURED SPARES

ROTORS

| MODEL(S) | PART NUMBER |
|----------|----------------------|
| 2033 SD | (1ST-LP STAGE) 54182 |
| 2033 SD | (2ND-HP STAGE) 54125 |
| 2063 SD | (1ST-LP STAGE) 54439 |
| 2063 SD | (2ND-HP STAGE) 54433 |



STATORS

| MODEL(S) | PART NUMBER |
|----------|----------------------|
| 2033 SD | (1ST-LP STAGE) 54120 |
| 2033 SD | (2ND-HP STAGE) 54122 |
| 2063 SD | (1ST-LP STAGE) 54411 |
| 2063 SD | (2ND-HP STAGE) 54415 |



PLATES

| MODEL(S) | PART NUMBER |
|----------|----------------|
| 2033 SD | (CENTER) 54121 |
| 2033 SD | (REAR) 54250 |
| 2063 SD | (CENTER) 54413 |
| 2063 SD | (REAR) 65505 |



PLATES - PASCAL w/25MM SHAFTS

| | |
|---------|-----------------|
| 2063 SD | (CENTER) 110543 |
|---------|-----------------|

VANES

| MODEL(S) | PART NUMBER |
|----------|-----------------------|
| 2033 SD | (1ST-LP STAGE) 87941G |
| 2033 SD | (2ND-HP STAGE) 87996G |
| 2063 SD | (1ST-LP STAGE) 54400G |
| 2063 SD | (2ND-HP STAGE) 54401G |



KITS

MINOR REPAIR KITS

MINOR REPAIR KITS INCLUDE COUPLING ELEMENT, C-CLIPS, O-RINGS, GASKETS, WASHERS, SHAFT SEALS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 2033 C1 | 54286 |
| 2033 C2 | 65123 |
| 2063 C1 | 54488 |
| 2063 C2 | 65552 |



MAJOR REPAIR KITS

MAJOR REPAIR KITS INCLUDE ALL COMPONENTS OF MINOR KITS PLUS VANES, SPRINGS & SIGHT GLASS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 2033 C1 | 54289KIT |
| 2033 C2 | 65124KIT |
| 2063 C1 | 54489KIT |
| 2063 C2 | 65553KIT |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (20L/5.28GAL) FULLY SYNTHETIC OIL | PPFF001 |

FEATURED SPARES

ROTORS

| MODEL(S) | PART NUMBER |
|-----------------------------|----------------------|
| 2033 C1 ONE END COATED | (1ST-LP STAGE) 54182 |
| 2033 C2 BOTH ENDS COATED | (2ND-HP STAGE) 65075 |
| 2063 C1 ONE END COATED | (1ST-LP STAGE) 54439 |
| 2063 C2 BOTH ENDS COATED | (1ST-LP STAGE) 65545 |
| 2063 C2 BOTH ENDS COATED | (2ND-HP STAGE) 65546 |



STATORS

| MODEL(S) | PART NUMBER |
|------------|----------------------|
| 2033 C1/C2 | (1ST-LP STAGE) 54120 |
| 2033 C1/C2 | (2ND-HP STAGE) 54122 |
| 2063 C1/C2 | (1ST-LP STAGE) 54411 |
| 2063 C1/C2 | (2ND-HP STAGE) 54415 |

PLATES

| MODEL(S) | PART NUMBER |
|------------------------------|----------------|
| 2063 C1/C2 CARBON BUSHING | (CENTER) 54434 |
| 2063 C1/C2 CARBON BUSHING | (REAR) 65506 |

PLATES - PASCAL w/25MM SHAFTS

| | |
|------------------------------|-----------------|
| 2063 C1/C2 CARBON BUSHING | (CENTER) 110544 |
|------------------------------|-----------------|



VANES

| MODEL(S) | PART NUMBER |
|------------|-----------------------|
| 2033 C1/C2 | (1ST-LP STAGE) 87941G |
| 2033 C1/C2 | (2ND-HP STAGE) 87996G |
| 2063 C1/C2 | (1ST-LP STAGE) 54400G |
| 2063 C1/C2 | (2ND-HP STAGE) 54401G |



KITS

MINOR REPAIR KITS

MINOR REPAIR KITS INCLUDE COUPLING ELEMENT, C-CLIPS, O-RINGS, GASKETS, WASHERS, SHAFT SEALS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 2033 | 54285 |
| 2063 | 54485 |



MAJOR REPAIR KITS

MAJOR REPAIR KITS INCLUDE ALL COMPONENTS OF MINOR KITS PLUS VANES, SPRINGS & SIGHT GLASS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 2033 | 54288KIT |
| 2063 | 54487KIT |



FEATURED SPARES

ROTORS

| MODEL(S) | PART NUMBER |
|----------|----------------------|
| 2033 | (1ST-LP STAGE) 54124 |
| 2063 | (1ST-LP STAGE) 54425 |
| 2063 | (2ND-HP STAGE) 54433 |



STATORS

| MODEL(S) | PART NUMBER |
|----------|----------------------|
| 2033 | (1ST-LP STAGE) 54120 |
| 2033 | (2ND-HP STAGE) 54122 |
| 2063 | (1ST-LP STAGE) 54411 |
| 2063 | (2ND-HP STAGE) 54415 |



PLATES

| MODEL(S) | PART NUMBER |
|----------|-----------------------|
| 2033 | (CENTER-BRONZE) 54121 |
| 2033 | (REAR-BRONZE) 54250 |
| 2063 | (CENTER-BRONZE) 54413 |
| 2063 | (REAR-BRONZE) 65505 |



VANES

| MODEL(S) | PART NUMBER |
|----------|-----------------------|
| 2033 | (1ST-LP STAGE) 87941G |
| 2033 | (2ND-HP STAGE) 87996G |
| 2063 | (1ST-LP STAGE) 54400G |
| 2063 | (2ND-HP STAGE) 54401G |



SHAFT SEALS

| MODEL(S) | PART NUMBER |
|----------|---------------|
| ALL | (BUNA) 79100 |
| ALL | (VITON) 79101 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (20L/5.28GAL) FULLY SYNTHETIC OIL | PPFF001 |



KITS

MINOR REPAIR KITS

MINOR REPAIR KITS INCLUDE COUPLING ELEMENT, C-CLIPS, O-RINGS, GASKETS, WASHERS, SHAFT SEALS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

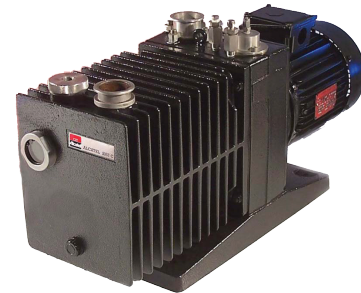
| MODEL(S) | PART NUMBER |
|----------|-------------|
| 2033 C | 54286 |
| 2063 C | 54488 |



MAJOR REPAIR KITS

MAJOR REPAIR KITS INCLUDE ALL COMPONENTS OF MINOR KITS PLUS VANES, SPRINGS & SIGHT GLASS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 2033 C | 54289KIT |
| 2063 C | 54489KIT |



FEATURED SPARES

ROTORS

| MODEL(S) | PART NUMBER |
|----------|----------------------|
| 2033 C | (1ST-LP STAGE) 54182 |
| 2063 C | (1ST-LP STAGE) 54439 |
| 2063 C | (2ND-HP STAGE) 54433 |



STATORS

| MODEL(S) | PART NUMBER |
|----------|----------------------|
| 2033 C | (1ST-LP STAGE) 54120 |
| 2033 C | (2ND-HP STAGE) 54122 |
| 2063 C | (1ST-LP STAGE) 54411 |
| 2063 C | (2ND-HP STAGE) 54415 |



PLATES

| MODEL(S) | PART NUMBER |
|----------|-----------------------|
| 2063 C | (CENTER-CARBON) 54434 |
| 2063 C | (REAR-CARBON) 65506 |



VANES

| MODEL(S) | PART NUMBER |
|----------|-----------------------|
| 2033 C | (1ST-LP STAGE) 87941G |
| 2033 C | (2ND-HP STAGE) 87996G |
| 2063 C | (1ST-LP STAGE) 54400G |
| 2063 C | (2ND-HP STAGE) 54401G |



SHAFT SEALS

| MODEL(S) | PART NUMBER |
|----------|---------------|
| ALL | (VITON) 79101 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (20L/5.28GAL) FULLY SYNTHETIC OIL | PPFF001 |





KITS

MINOR REPAIR KITS

MINOR REPAIR KITS INCLUDE COUPLING ELEMENT, C-CLIPS, O-RINGS, GASKETS, WASHERS, SHAFT SEALS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 2033 CP | 65060 |
| 2033 CP+ | 65123 |
| 2063 CP | 65540 |
| 2063 CP+ | 65552 |



MAJOR REPAIR KITS

MAJOR REPAIR KITS INCLUDE ALL COMPONENTS OF MINOR KITS PLUS VANES, SPRINGS & SIGHT GLASS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 2033 CP | 65061KIT |
| 2033 CP+ | 65124KIT |
| 2063 CP | 65541KIT |
| 2063 CP+ | 65553KIT |



FEATURED SPARES

ROTORS (COATED-BOTH ENDS)

| MODEL(S) | PART NUMBER |
|-------------|----------------------|
| 2033 CP/CP+ | (2ND-HP STAGE) 65075 |
| 2063 CP/CP+ | (1ST-LP STAGE) 65545 |
| 2063 CP/CP+ | (2ND-HP STAGE) 65546 |



STATORS

| MODEL(S) | PART NUMBER |
|-------------|----------------------|
| 2033 CP/CP+ | (1ST-LP STAGE) 54120 |
| 2033 CP/CP+ | (2ND-HP STAGE) 54122 |
| 2063 CP/CP+ | (1ST-LP STAGE) 54411 |
| 2063 CP/CP+ | (2ND-HP STAGE) 54415 |



PLATES

| MODEL(S) | PART NUMBER |
|-------------|-----------------------|
| 2063 CP/CP+ | (CENTER-CARBON) 54434 |
| 2063 CP/CP+ | (REAR-CARBON) 65506 |



VANES

| MODEL(S) | PART NUMBER |
|-------------|-----------------------|
| 2033 CP/CP+ | (1ST-LP STAGE) 87941G |
| 2033 CP/CP+ | (2ND-HP STAGE) 87996G |
| 2063 CP/CP+ | (1ST-LP STAGE) 54400G |
| 2063 CP/CP+ | (2ND-HP STAGE) 54401G |



SHAFT SEALS

| MODEL(S) | PART NUMBER |
|----------|---------------|
| ALL | (VITON) 79101 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (20L/5.28GAL) FULLY SYNTHETIC OIL | PPFF001 |



KITS

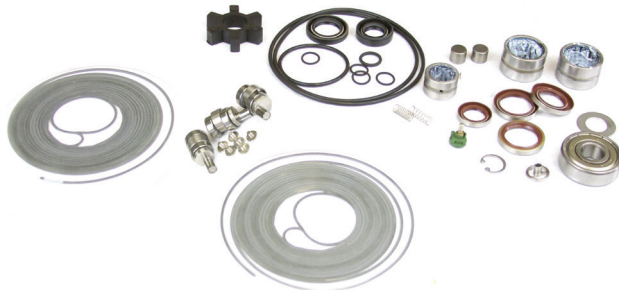
MAJOR REBUILD KITS

MAJOR REBUILD KITS INCLUDE TIP SEALS, CRANK PINS, BEARINGS, O-RINGS, SHAFT SEALS & OTHER COMPONENTS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|-------------|-------------|
| ISP 90 | 98882590 |
| ISP 250 B/C | P71005800 |
| ISP 500 B/C | P71004800 |

TIP SEAL KITS

| MODEL(S) | PART NUMBER |
|-------------|-------------|
| ISP 90 | 98885570 |
| ISP 250 B/C | P71002026 |
| ISP 500 B/C | P71004026 |



CRANK PIN KITS

| MODEL(S) | PART NUMBER |
|-------------|-------------|
| ISP 90 | 98883580 |
| ISP 250 B/C | 71002006 |
| ISP 500 B/C | 71004006 |



FEATURED SPARES

SHAFTS

| MODEL(S) | PART NUMBER |
|-------------|-------------|
| ISP 250 B/C | 71002012 |
| ISP 500 B/C | 71003012 |



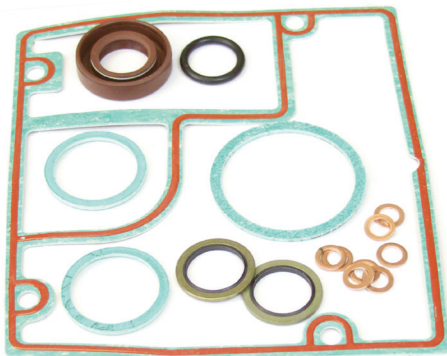


KITS

SEAL & GASKET KITS

SEAL & GASKET KITS INCLUDE O-RINGS, GASKETS & SHAFT SEALS FOR MINOR MAINTENANCE.

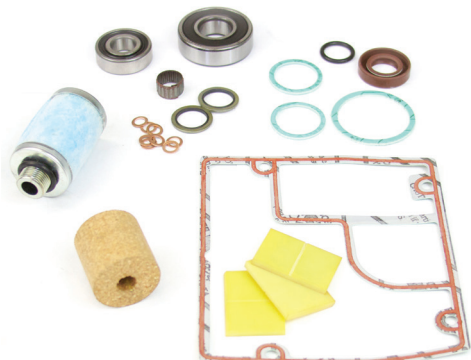
| MODEL(S) | PART NUMBER |
|---------------------------|-------------|
| U 3.6 | 54900023900 |
| U 4.20 | 54900040300 |
| U 4.40 | 54900040500 |
| U 4.70, U 4.70 D | 54900026100 |
| U 4.70 F (INDEX# F,G & H) | 54900026100 |



MAJOR OVERHAUL KITS

MAJOR OVERHAUL KITS INCLUDE ALL COMPONENTS OF SEAL & GASKET KITS PLUS EXHAUST FILTERS & VANES FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|-------------------------------|-------------|
| U 3.6 | 33800200000 |
| U 4.20 | 33805600000 |
| U 4.40 | 33805700000 |
| U 4.70 (INDEX# C & BEFORE) | 33801200000 |
| U 4.70 D/E (INDEX# D & E) | 33801200-D0 |
| U 4.70 F/G/H (INDEX# F,G & H) | 33801200-F0 |



FEATURED SPARES

VANES

| MODEL(S) | PART NUMBER |
|------------------|----------------------|
| U 3.6 | (REQ. 3) 90056100000 |
| U 4.20 | (REQ. 3) 90058300000 |
| U 4.40 | (REQ. 3) 90058500000 |
| U 4.70, U 4.70 D | (REQ. 3) 90051100000 |



COARSE SEPARATORS

| MODEL(S) | PART NUMBER |
|------------------|----------------------|
| U 4.70, U 4.70 D | (REQ. 1) 50600026200 |



EXHAUST FILTERS

| MODEL(S) | PART NUMBER |
|----------|----------------------|
| U 3.6 | (REQ. 1) 96540600000 |
| U 4.20 | (REQ. 1) 96541300000 |
| U 4.40 | (REQ. 1) 96541400000 |
| U 4.70 | (REQ. 1) 96540900000 |
| U 4.70 D | (REQ. 1) 96541600000 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|---|-------------|
| PLUS 77 (1L/1.06QT) GENERAL PURPOSE | PP77001 |
| PLUS 570 (1L/1.06QT) FULLY SYNTHETIC | 570001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |

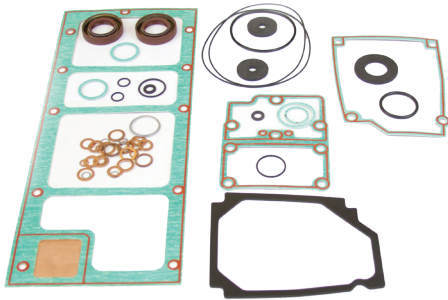


KITS

SEAL & GASKET KITS

SEAL & GASKET KITS INCLUDE O-RINGS, GASKETS & SHAFT SEALS FOR MINOR MAINTENANCE.

| MODEL(S) | PART NUMBER |
|---|-------------|
| U 4.100, U 4.100 (INDEX# E & BEFORE) | 54900026100 |
| U 4.100 F/G/H (INDEX# F, G & H INCLUSIVE) | 5490002610F |
| U 4.165, U 4.165 E (INDEX# E & BEFORE) | 54900026400 |
| U 4.165 F (INDEX# F INCLUSIVE) | 5490002640F |
| U 4.190, U 4.190 E (INDEX# E & BEFORE) | 5490002640 |
| U 4.190 F (INDEX# F INCLUSIVE) | 5490002640F |



MAJOR OVERHAUL KITS

MAJOR OVERHAUL KITS INCLUDE ALL COMPONENTS OF SEAL & GASKET KITS PLUS EXHAUST FILTERS, BEARINGS, COUPLINGS & VANES FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|------------------------------------|-------------|
| U 4.100 (INDEX# C & BEFORE) | 33801400000 |
| U 4.100 D (INDEX# D & E INCLUSIVE) | 33801400-D0 |
| U 4.100 F (INDEX# F INCLUSIVE) | 33801400-F0 |
| U 4.165 (INDEX# D & BEFORE) | 33801600000 |
| U 4.165 E (INDEX# E INCLUSIVE) | 33801600-E0 |
| U4.165 F (INDEX# F INCLUSIVE) | 33801600-F0 |
| U 4.190 (INDEX# D & BEFORE) | 33801800000 |
| U 4.190 E (INDEX# E INCLUSIVE) | 33801800-E0 |
| U 4.190 F (INDEX# F INCLUSIVE) | 33801800-F0 |



FEATURED SPARES

VANES

| MODEL(S) | PART NUMBER |
|-----------------------------|-------------|
| U 4.100, U 4.100 D (REQ. 3) | 90051200000 |
| U 4.165, U 4.165 E (REQ. 3) | 90050500000 |
| U 4.190, U 4.190 E (REQ. 3) | 90050600000 |



COARSE SEPARATORS

| MODEL(S) | PART NUMBER |
|-----------------------------|-------------|
| U 4.100, U 4.100 D (REQ. 1) | 50600026200 |
| U 4.165/4.190 (REQ. 1) | 50600026400 |
| U 4.165/4.190 E (REQ. 1) | 50600026400 |



EXHAUST FILTERS

| MODEL(S) | PART NUMBER |
|--------------------|-------------|
| U 4.100 (REQ. 1) | 96540900000 |
| U 4.100 D (REQ. 1) | 96541600000 |
| U 4.165 (REQ. 2) | 96541200000 |
| U 4.165 E (REQ. 2) | 96541500000 |
| U 4.190 (REQ. 2) | 96541200000 |
| U 4.190 E (REQ. 2) | 96541500000 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|---|-------------|
| PLUS 77 (1L/1.06QT) GENERAL PURPOSE | PP77001 |
| PLUS 570 (1L/1.06QT) FULLY SYNTHETIC | 570001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |

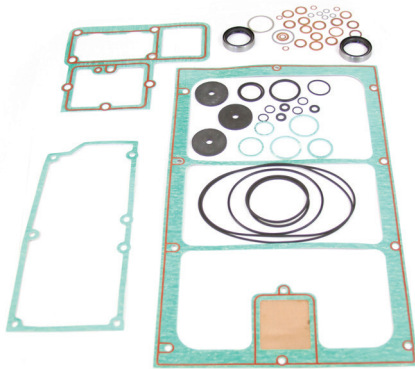


KITS

SEAL & GASKET KITS

SEAL & GASKET KITS INCLUDE O-RINGS, GASKETS & SHAFT SEALS FOR MINOR MAINTENANCE.

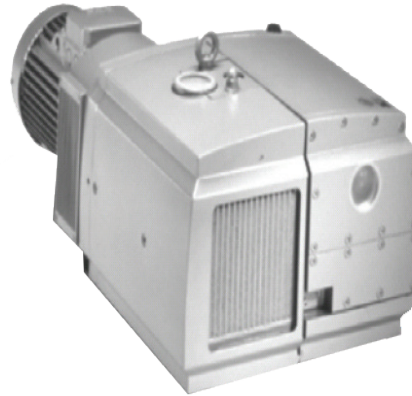
| MODEL(S) | | PART NUMBER |
|--------------------|---------------------|-------------|
| U 4.250, U 4.250 E | (INDEX# E & BEFORE) | 54900026400 |
| U 4.250 F | (INDEX# F) | 5490002640F |
| U 4.400/4.630 | (INDEX# C & BEFORE) | 54900026700 |
| U 4.400/4.630 D | (INDEX# D) | 5490002670D |



MAJOR OVERHAUL KITS

MAJOR OVERHAUL KITS INCLUDE ALL COMPONENTS OF SEAL & GASKET KITS PLUS EXHAUST FILTERS, BEARINGS, COUPLINGS & VANES FOR MAJOR OVERHAUL.

| MODEL(S) | | PART NUMBER |
|-----------|---------------------|-------------|
| U 4.250 | (INDEX# D & BEFORE) | 33802000000 |
| U 4.250 E | (INDEX# E) | 33802000-E0 |
| U 4.250 F | (INDEX# F) | 33802000-F0 |
| U 4.400 | (INDEX# C & BEFORE) | 33805000000 |
| U 4.400 D | (INDEX# D) | 33805000-D0 |
| U 4.630 | (INDEX# C & BEFORE) | 33805200000 |
| U 4.630 D | (INDEX# D) | 33805200-D0 |



FEATURED SPARES

VANES

| MODEL(S) | | PART NUMBER |
|--------------------|----------|-------------|
| U 4.250, U 4.250 E | (REQ. 3) | 90050700000 |
| U 4.400 | (REQ. 3) | 90058000000 |
| U 4.630 | (REQ. 3) | 90058100000 |



COARSE SEPARATORS

| MODEL(S) | | PART NUMBER |
|--------------------|----------|-------------|
| U 4.250, U 4.250 E | (REQ. 1) | 50600026400 |
| U 4.400/4.630 | (REQ. 3) | 50600026200 |



EXHAUST FILTERS

| MODEL(S) | | PART NUMBER |
|-----------|----------|-------------|
| U 4.250 | (REQ. 2) | 96541200000 |
| U 4.250 E | (REQ. 2) | 96541500000 |
| U 4.400 | (REQ. 2) | 9654100000P |
| U 4.630 | (REQ. 2) | 96541100000 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|---|-------------|
| PLUS 77 (1L/1.06QT) GENERAL PURPOSE | PP77001 |
| PLUS 570 (1L/1.06QT) FULLY SYNTHETIC | 570001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |





FEATURED SPARES

FILTERS

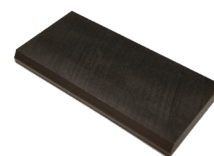
| MODEL(S) | PART NUMBER |
|--|-------------|
| KVT 2.60,2.80,2.100,2.140 | 90950500000 |
| VT 3.25,3.40,3.60,4.25,4.40 | 90950500000 |
| E P/PV/V 40/40I | 90950600000 |
| KVT2.60,2.80,2.100,2.140,3.60,3.80,3.100,3.140 | 90950700000 |
| PICCHIO 2200 | 90950700000 |
| VT 10,10A,10B,16 | 90950800000 |
| VT 25 | 90950900000 |
| E P/PV/V 40/40I | 90951000000 |
| PICCHIO 2200 | 90951000000 |
| KVT 2.60,2.80,2.100,3.60,3.80 | 90951000000 |
| VTLF 2.250 SK,250 SK,360 SK,400 SK,500SK | 90951000000 |
| KVX 3.60,3.80 | 90951000000 |
| VXLF 2.250SK,2.400,2.500 | 90951000000 |
| VTLF 2.400/6,2.500/6 | 90951020000 |
| VTLF 2.200,2.250,2.360 | 90951200000 |
| VXLF 2.200,2.250 | 90951200000 |
| KVT 2.140,3.100,3.140 | 90951400000 |
| KVX 3.100,3.140 | 90951400000 |
| VT 3.10,4.10 | 90951800000 |
| VT 3.16,4.16 | 90951900000 |
| VT 3.25 INDEX B | 90952100000 |
| VT 3.3 | 90952600000 |
| VT 3.6 | 90952700000 |
| VT 3.25 INDEX D,3.40 INDEX D,4.40/0-64 | 90952900000 |
| VT 3.25 INDEX D,3.40 INDEX D,4.40/0-64 | 90952901000 |
| VTLF 200,250,360 | 90953400000 |
| VXLF 200,250 | 90953401000 |
| VTLF 400,500 | 90954000000 |
| VTLF 2.200,2.250,2.360,200,250,360 | 90954100000 |
| VT 4.16 | 90954200000 |
| VX 4.16 | 90954200000 |
| VX 4.10/0-89 | 90955400000 |
| VTLF 250/0-72 | 90955900000 |
| VXLF 250/0-72 | 90955900000 |
| O SERIES 5.4,5.6,5.8 | 90956500000 |
| VT 4.2,4.4 | 90958000000 |
| VT 3.6/08 INDEX B,4.8 | 90958100000 |
| VX 3.6/08 INDEX B | 90958100000 |
| KVT 3.60/6,3.80/6,3.100/6,3.140/6 | 90958700000 |
| KVX 3.80/6 | 90958700000 |
| VTLF 2.200/6,2.250/6 | 90959600000 |
| VTLF 2.400,2.500 | 90959700000 |
| VXLF 2.400,2.500 | 90959700000 |



FEATURED SPARES

VANES

| MODEL(S) | PART NUMBER |
|--------------------------------------|-------------|
| VT 1.5 | 90130100000 |
| VT 3.6/08, 6 | 90130300000 |
| VT 10, 10 A, 16 | 90130400000 |
| VT 25 | 90130800000 |
| KVX 3.140 | 90132400000 |
| VTLF 2.36 | 90132500000 |
| VXLF 2.200,2.250,200,250,360,400,500 | 90132500000 |
| VXLF 2.400,2.500 | 90132510008 |
| VT 3.10,4.10,10B | 90132700000 |
| TA 250/1,250/2,250/3 | 90132800000 |
| KA/KAP 1.360,1.360/2 | 90132800000 |
| KVT 2.60 | 90132900000 |
| KVT 2.80,3.60,3.80 | 90133000000 |
| KVX 3.80 | 90133000000 |
| VT 40 | 90133100000 |
| KVT 2.100,3.100 | 90133300000 |
| PICCHIO 2200 | 90133300000 |
| KVT 2.140,3.140 | 90133400000 |
| VT 3.16,4.16 | 90134700000 |
| VT 3.25,4.25 | 90134900000 |
| VT 3.40,4.40,4.40/0-60 | 90135200000 |
| VT 3.3 | 90136100000 |
| VTLF 2.200,2.250,200,250,360 | 90136700000 |
| VT 3.60 | 90137200000 |
| VTLF 2.400,2.500,400,500 | 90137300000 |
| VT 4.2,4.4 | 90138700000 |
| VT 4.8 | 90138800000 |
| E P/PV/V 40/40I | 90138900000 |
| VX 4.16 | 90139600000 |
| VT 4.40/0-90 | 90139700000 |
| VX 4.40 | 90139700000 |
| VX 4.10,4.10/0-89 | 90139800000 |
| VX 4.25,4.25/0-44 | 90139900000 |
| KVX 3.60 | 90140100000 |
| KVX 3.100 | 90140200000 |



KITS

FILTER KITS

FILTER KITS INCLUDE EXHAUST FILTER ELEMENTS, O-RINGS, OIL DRAIN PLUG GASKET & STRAINER BAFFLE WHERE APPLICABLE.

| MODEL(S) | PART NUMBER |
|---------------|-------------|
| 0010/0016 B | BFK001 |
| 0010/0016 B | BFK001D |
| 0010/0016 C/D | BFK002 |
| 0012/0021 B | BFK003 |
| 0012/0021 B | BFK003D |

GASKET KITS

GASKET KITS INCLUDE O-RINGS, GASKETS & SHAFT SEALS FOR MINOR MAINTENANCE.

| MODEL(S) | PART NUMBER |
|-----------------|-------------|
| 0010/0016 B/C/D | BGK001 |
| 0012/0021 B | BGK002 |

OVERHAUL KITS

OVERHAUL KITS INCLUDE ALL COMPONENTS OF GASKET KITS PLUS BEARING SLEEVES & VANES FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|-------------|-------------|
| 0010 B | BMK001 |
| 0016 B | BMK002 |
| 0010 C/D | BMK003 |
| 0016 C/D | BMK003A |
| 0012/0021 B | BMK004 |

OVERHAUL KITS w/EXHAUST FILTERS

OVERHAUL KITS w/EXHAUST FILTERS INCLUDE ALL COMPONENTS OF OVERHAUL KITS PLUS EXHAUST FILTERS & STRAINER BAFFLE AS REQUIRED.

NOTE: KITS SOLD IN EUROPE CONTAIN EXHAUST FILTERS WITH DAMPERS WHERE APPROPRIATE.

| MODEL(S) | PART NUMBER |
|-------------|-------------|
| 0010 B | BMKF001 |
| 0016 B | BMKF002 |
| 0010 C/D | BMKF003 |
| 0016 C/D | BMKF003A |
| 0012/0021 B | BMKF004 |



FEATURED SPARES

EXHAUST FILTERS

| MODEL(S) | # REQ. | PART NUMBER |
|---------------|--------|-------------|
| 0010/0016 B | 1 | 53230001 |
| 0010/0016 C/D | 1 | 532105216 |
| 0012/0021 B | 1 | 53251001 |
| 0012/0021 B | 1 * | 532917478 |

*Damper/Silencer Type



INLET FILTERS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 53200500 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|---|-------------|
| PLUS 530 (1L/1.06QT) GENERAL PURPOSE | 530-001 |
| PLUS 570 (1L/1.06QT) FULLY SYNTHETIC | 570001 |



KITS

FILTER KITS

FILTER KITS INCLUDE EXHAUST FILTER ELEMENTS, OIL FILTER, O-RINGS, OIL DRAIN PLUG GASKET & STRAINER BAFFLE AS REQUIRED.

| MODEL(S) | PART NUMBER |
|-----------------|-------------|
| 0025/0040 B | BFK004 |
| 0025/0040 B | BFK004D |
| 0025/0040 C/E/F | BFK005 |
| 0025/0040 D KB | BFK005A |

GASKET KITS

GASKET KITS INCLUDE O-RINGS, GASKETS & SHAFT SEALS FOR MINOR MAINTENANCE.

| MODEL(S) | PART NUMBER |
|----------------|-------------|
| 0025/0040 B | BGK003B |
| 0025/0040 C/E | BGK003 |
| 0025/0040 F | BSK001 |
| 0025/0040 D KB | BSK002 |

OVERHAUL KITS

OVERHAUL KITS INCLUDE ALL COMPONENTS OF GASKET KITS PLUS BEARING SLEEVES, BEARINGS, VANES & OTHER COMPONENTS NEEDED FOR PUMP OVERHAUL. OVERHAUL KITS ARE NOW AVAILABLE WITH EITHER OUR FIBERGLASS POLYMER "GX" VANES OR CARBON FIBER GRAPHITE "CF" VANES WHERE NOTED.

| MODEL(S) | | PART NUMBER |
|----------------|----------|-------------|
| 0025 B | GX VANES | BMK005 |
| 0025 C/E | GX VANES | BMK007 |
| 0040 B | GX VANES | BMK006 |
| 0040 C/E | GX VANES | BMK008 |
| 0040 B/C/F | CF VANES | BMK008CF |
| 0025/0040 D KB | GX VANES | BMK005A |

OVERHAUL KITS w/EXHAUST FILTERS

OVERHAUL KITS INCLUDE ALL COMPONENTS OF THE GASKET KITS PLUS BEARING SLEEVES, BEARINGS, VANES, EXHAUST FILTERS, OIL FILTER, STRAINER BAFFLE AND OTHER COMPONENTS NEEDED FOR PUMP OVERHAUL. OVERHAUL KITS ARE NOW AVAILABLE WITH EITHER OUR FIBERGLASS POLYMER "GX" VANES OR CARBON FIBER GRAPHITE "CF" VANES WHERE NOTED.

NOTE: KITS SOLD IN EUROPE CONTAIN EXHAUST FILTERS WITH DAMPERS WHERE APPROPRIATE.

| MODEL(S) | | PART NUMBER |
|------------|----------|-------------|
| 0025 B | GX VANES | BMKF005 |
| 0025 C/E | GX VANES | BMKF007 |
| 0025 F | GX VANES | BMKF007A |
| 0040 B | GX VANES | BMKF006 |
| 0040 C/E | GX VANES | BMKF008 |
| 0040 B/C/F | CF VANES | BMKF008CF |



FEATURED SPARES

VANES

| MODEL(S) | # REQ. | PART NUMBER |
|----------------|--------|-------------|
| 0025 B/C/F/F | GX-3 | 72227000 |
| 0040 B/C/E/F | GX-3 | 72230000 |
| 0025/0040 D KB | GX-3 | 724118303 |
| 0040 B/C/E/F | CF-3 | 72230000CF |



OIL FILTERS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 53100200 |



EXHAUST FILTERS

| MODEL(S) | # REQ. | PART NUMBER |
|-----------------|--------|-------------|
| 0025/0040 B | 1 | 53230201 |
| 0025/0040 B | 1 * | 532917477 |
| 0025/0040 C/E/F | 1 | 53251201 |
| 0025/40 D KB | 1 | 532917478 |



*Damper/Silencer Type

INLET FILTERS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 53200500 |

RECOMMENDED OILS

| TYPE | PART NUMBER |
|---|-------------|
| PLUS 530 (1L/1.06QT) GENERAL PURPOSE | 530-001 |
| PLUS 570 (1L/1.06QT) FULLY SYNTHETIC | 570001 |



KITS

FILTER KITS

FILTER KITS INCLUDE EXHAUST FILTER ELEMENTS, OIL FILTER, O-RINGS, OIL DRAIN PLUG GASKET & STRAINER BAFFLE AS REQUIRED.

| MODEL(S) | PART NUMBER |
|-----------------|-------------|
| 0063/0100 B | BFK006 |
| 0063/0100 B | BFK006D |
| 0063/0100 C/E/F | BFK007 |
| 0063/0100 C/E/F | BFK007D |

GASKET KITS

GASKET KITS INCLUDE O-RINGS, GASKETS & SHAFT SEALS FOR MINOR MAINTENANCE.

| MODEL(S) | PART NUMBER |
|---------------|-------------|
| 0063/0100 B | BGK004B |
| 0063/0100 C/E | BGK004 |
| 0063/0100 F | BSK002 |

OVERHAUL KITS

OVERHAUL KITS INCLUDE ALL COMPONENTS OF GASKET KITS PLUS BEARING SLEEVES, BEARINGS, VANES & OTHER COMPONENTS NEEDED FOR PUMP OVERHAUL. OVERHAUL KITS ARE NOW AVAILABLE WITH EITHER OUR FIBERGLASS POLYMER "GX" VANES OR CARBON FIBER GRAPHITE "CF" VANES WHERE NOTED.

| MODEL(S) | | PART NUMBER |
|----------|----------|-------------|
| 0063 B | GX VANES | BMK010 |
| 0063 C/E | GX VANES | BMK012 |
| 0100 B | GX VANES | BMK011 |
| 0100 C/E | GX VANES | BMK013 |

OVERHAUL KITS w/EXHAUST FILTERS

OVERHAUL KITS INCLUDE ALL COMPONENTS OF THE GASKET KITS PLUS BEARING SLEEVES, BEARINGS, VANES, EXHAUST FILTERS, OIL FILTER, STRAINER BAFFLE AND OTHER COMPONENTS NEEDED FOR PUMP OVERHAUL. OVERHAUL KITS ARE NOW AVAILABLE WITH EITHER OUR FIBERGLASS POLYMER "GX" VANES OR CARBON FIBER GRAPHITE "CF" VANES WHERE NOTED.

NOTE: KITS SOLD IN EUROPE CONTAIN EXHAUST FILTERS WITH DAMPERS WHERE APPROPRIATE.

| MODEL(S) | | PART NUMBER |
|----------|----------|-------------|
| 0063 B | GX VANES | BMKF010 |
| 0063 C/E | GX VANES | BMKF012 |
| 0063 F | GX VANES | BMKF012A |
| 0063 F | CF VANES | BMKF012CF |
| 0100 B | GX VANES | BMKF011 |
| 0100 C/E | GX VANES | BMKF013 |
| 0100 F | GX VANES | BMKF013A |
| 0100 F | CF VANES | BMKF013ACF |



FEATURED SPARES

VANES

| MODEL(S) | # REQ. | PART NUMBER |
|--------------|--------|-------------|
| 0063 B/C/E/F | GX-3 | 72233000 |
| 0063 F | CF-3 | 72233000CF |
| 0100 B/C/E/F | GX-3 | 72236000 |
| 0100 F | CF-3 | 72236000CF |



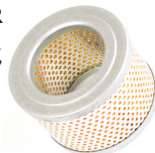
OIL FILTERS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 53100200 |



EXHAUST FILTERS

| MODEL(S) | # REQ. | PART NUMBER |
|-------------|--------|-------------|
| ALL | 1 | 53230201 |
| 0063/0100 F | 2 * | 532917477 |



*Damper/Silencer Type

INLET FILTERS

| MODEL(S) | PART NUMBER |
|--------------|-------------|
| 0063 B/C/E/F | 53200200 |
| 0100 B/C/E/F | 53200300 |

RECOMMENDED OILS

| TYPE | PART NUMBER |
|---|-------------|
| PLUS 530 (1L/1.06QT) GENERAL PURPOSE | 530-001 |
| PLUS 570 (1L/1.06QT) FULLY SYNTHETIC | 570001 |



KITS

FILTER KITS

FILTER KITS INCLUDE EXHAUST FILTER ELEMENTS, OIL FILTER, O-RINGS, OIL DRAIN PLUG GASKET & STRAINER BAFFLE AS REQUIRED.

| MODEL(S) | PART NUMBER |
|------------------|-------------|
| 0160/0202 D | BFK011 |
| 0160/0202 D | BFK011D |
| 0250 C/D, 0302 D | BFK012 |
| 0250 C/D, 0302 D | BFK012D |

GASKET KITS

GASKET KITS INCLUDE O-RINGS, GASKETS & SHAFT SEALS FOR MINOR MAINTENANCE.

| MODEL(S) | PART NUMBER |
|------------------|-------------|
| 0160/0202 D | BGK006 |
| 0250 C/D, 0302 D | BGK009 |

OVERHAUL KITS

OVERHAUL KITS INCLUDE ALL COMPONENTS OF GASKET KITS PLUS BEARING SLEEVES, BEARINGS, VANES & OTHER COMPONENTS NEEDED FOR PUMP OVERHAUL. OVERHAUL KITS ARE NOW AVAILABLE WITH EITHER OUR FIBERGLASS POLYMER "GX" VANES OR CARBON FIBER GRAPHITE "CF" VANES WHERE NOTED.

| MODEL(S) | | PART NUMBER |
|----------------|----------|-------------|
| 0160/0202 D | GX VANES | BMK019 |
| 0250C/D,0302 D | GX VANES | BMK020 |
| 0250C/D,0302 D | CF VANES | BMK020CF |

OVERHAUL KITS w/EXHAUST FILTERS

OVERHAUL KITS INCLUDE ALL COMPONENTS OF THE GASKET KITS PLUS BEARING SLEEVES, BEARINGS, VANES, EXHAUST FILTERS, OIL FILTER, STRAINER BAFFLE AND OTHER COMPONENTS NEEDED FOR PUMP OVERHAUL. OVERHAUL KITS ARE NOW AVAILABLE WITH EITHER OUR FIBERGLASS POLYMER "GX" VANES OR CARBON FIBER GRAPHITE "CF" VANES WHERE NOTED.

NOTE: KITS SOLD IN EUROPE CONTAIN EXHAUST FILTERS WITH DAMPERS WHERE APPROPRIATE.

| MODEL(S) | PART NUMBER |
|--------------------------|-------------|
| 0160/0202 D GX VANES | BMKF019 |
| 0250 C/D,0302 D GX VANES | BMKF020 |
| 0250 C/D,0302D CF VANES | BMKF020CF |



FEATURED SPARES

VANES

| MODEL(S) | # REQ. | PART NUMBER |
|----------------|--------|-------------|
| 0160/202 D | GX-3 | 722516573 |
| 0250 C/D,302 D | GX-3 | 722516729 |
| 0250 C/D,302 D | CF-3 | 722516729CF |



PRESSURE GAUGES

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 54500400 |

OIL FILL CAPS w/PRESSURE GAUGES

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 94610202 |



EXHAUST FILTERS

| MODEL(S) | # REQ. | PART NUMBER |
|----------|--------|-------------|
| ALL | 3 | 53208201 |
| ALL | 3 * | 532140159 |



*Damper/Silencer Type

INLET FILTERS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 53200400 |



OIL FILTERS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 53100100 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|---|-------------|
| PLUS 530 (1L/1.06QT) GENERAL PURPOSE | 530-001 |
| PLUS 570 (1L/1.06QT) FULLY SYNTHETIC | 570001 |



KITS

FILTER KITS

FILTER KITS INCLUDE EXHAUST FILTER ELEMENTS, OIL FILTER, O-RINGS, OIL DRAIN PLUG GASKET & STRAINER BAFFLE AS REQUIRED.

| MODEL(S) | PART NUMBER |
|-------------|-------------|
| 0160/0250 B | BFK008 |
| 0160/0250 B | BFK008D |
| 0165-0305 D | BFK010 |
| 0165-0305 D | BFK010D |

GASKET KITS

GASKET KITS INCLUDE O-RINGS, GASKETS & SHAFT SEALS FOR MINOR MAINTENANCE.

| MODEL(S) | PART NUMBER |
|-------------|-------------|
| 0160/0250 B | BGK005 |
| 0165/0205 D | BGK008 |
| 0255/0305 D | BGK008 |

OVERHAUL KITS

OVERHAUL KITS INCLUDE ALL COMPONENTS OF GASKET KITS PLUS BEARING SLEEVES, BEARINGS, VANES & OTHER COMPONENTS NEEDED FOR PUMP OVERHAUL. OVERHAUL KITS ARE NOW AVAILABLE WITH EITHER OUR FIBERGLASS POLYMER "GX" VANES OR CARBON FIBER GRAPHITE "CF" VANES WHERE NOTED.

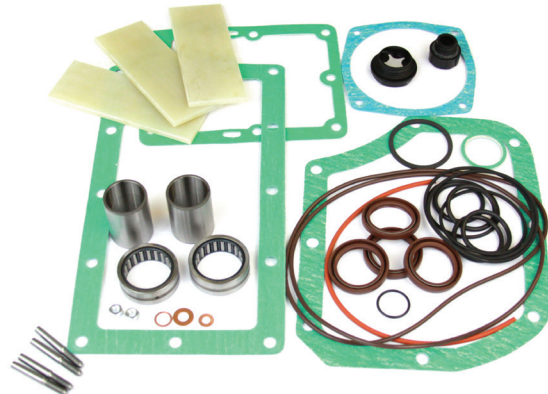
| MODEL(S) | | PART NUMBER |
|-------------|----------|-------------|
| 0160 B | GX VANES | BMK014 |
| 0160 B | CF VANES | BMK014CF |
| 0250 B | GX VANES | BMK015 |
| 0250 B | CF VANES | BMK015CF |
| 0165/0205 D | GX VANES | BMK017 |
| 0165/0205 D | CF VANES | BMK017CF |
| 0255/0305 D | GX VANES | BMK018 |
| 0255/0305 D | CF VANES | BMK018CF |

OVERHAUL KITS w/EXHAUST FILTERS

OVERHAUL KITS INCLUDE ALL COMPONENTS OF THE GASKET KITS PLUS BEARING SLEEVES, BEARINGS, VANES, EXHAUST FILTERS, OIL FILTER, STRAINER BAFFLE AND OTHER COMPONENTS NEEDED FOR PUMP OVERHAUL. OVERHAUL KITS ARE NOW AVAILABLE WITH EITHER OUR FIBERGLASS POLYMER "GX" VANES OR CARBON FIBER GRAPHITE "CF" VANES WHERE NOTED.

NOTE: KITS SOLD IN EUROPE CONTAIN EXHAUST FILTERS WITH DAMPERS WHERE APPROPRIATE.

| MODEL(S) | | PART NUMBER |
|-------------|----------|-------------|
| 0160 B | GX VANES | BMKF014 |
| 0160 B | CF VANES | BMKF014CF |
| 0250 B | GX VANES | BMKF015 |
| 0250 B | CF VANES | BMKF015CF |
| 0165/0205 D | GX VANES | BMKF017 |
| 0165/0205 D | CF VANES | BMKF017CF |
| 0255/0305 D | GX VANES | BMKF018 |
| 0255/0305 D | CF VANES | BMKF018CF |



FEATURED SPARES

VANES

| MODEL(S) | # REQ. | PART NUMBER |
|-------------|--------|-------------|
| 0160 B | GX-3 | 72245200 |
| 0160 B | CF-3 | 72245200CF |
| 0250 B | GX-3 | 722516729 |
| 0250 B | CF-3 | 722516729CF |
| 0165/0205 | GX-3 | 722516573 |
| 0165/0205 | CF-3 | 722516573CF |
| 0255/0305 D | GX-3 | 722516729 |
| 0255/0305 D | CF-3 | 722516729CF |

PRESSURE GAUGES

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 54500400 |

OIL FILL CAPS w/PRESSURE GAUGES

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 94610202 |

EXHAUST FILTERS

| MODEL(S) | # REQ. | PART NUMBER |
|----------|--------|-------------|
| ALL | 4 | 53208201 |
| ALL | 4 * | 532140159 |

*Damper/Silencer Type

INLET FILTERS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 53200400 |

OIL FILTERS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 53100100 |

RECOMMENDED OILS

| TYPE | PART NUMBER |
|---|-------------|
| PLUS 530 (1L/1.06QT) GENERAL PURPOSE | 530-001 |
| PLUS 570 (1L/1.06QT) FULLY SYNTHETIC | 570001 |



KITS

FILTER KITS

FILTER KITS INCLUDE EXHAUST FILTER ELEMENTS, OIL FILTER, O-RINGS, OIL DRAIN PLUG GASKET & STRAINER BAFFLE AS REQUIRED.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | BFK013 |
| ALL | BFK013D |

GASKET KITS

GASKET KITS INCLUDE O-RINGS, GASKETS & SHAFT SEALS FOR MINOR MAINTENANCE.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | BGK010 |

OVERHAUL KITS

OVERHAUL KITS INCLUDE ALL COMPONENTS OF GASKET KITS PLUS BEARING SLEEVES, BEARINGS, VANES & OTHER COMPONENTS NEEDED FOR PUMP OVERHAUL. OVERHAUL KITS ARE NOW AVAILABLE WITH EITHER OUR FIBERGLASS POLYMER "GX" VANES OR CARBON FIBER GRAPHITE "CF" VANES WHERE NOTED.

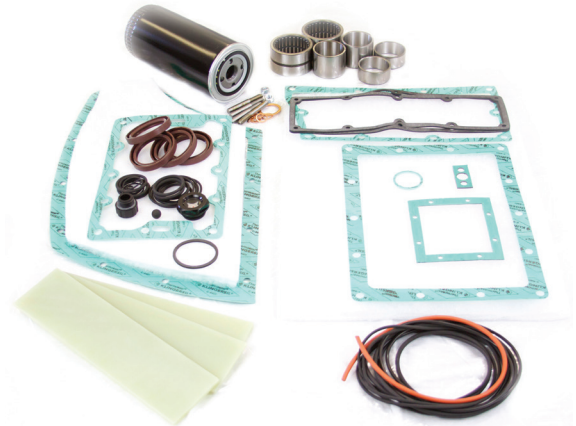
| MODEL(S) | | PART NUMBER |
|----------|----------|-------------|
| 0400 B | GX VANES | BMK021 |
| 0400 B | CF VANES | BMK021CF |
| 0502 B | GX VANES | BMK022 |
| 0502 B | CF VANES | BMK022CF |
| 0630 B | GX VANES | BMK023 |
| 0630 B | CF VANES | BMK023CF |

OVERHAUL KITS w/EXHAUST FILTERS

OVERHAUL KITS INCLUDE ALL COMPONENTS OF THE GASKET KITS PLUS BEARING SLEEVES, BEARINGS, VANES, EXHAUST FILTERS, OIL FILTER, STRAINER BAFFLE AND OTHER COMPONENTS NEEDED FOR PUMP OVERHAUL. OVERHAUL KITS ARE NOW AVAILABLE WITH EITHER OUR FIBERGLASS POLYMER "GX" VANES OR CARBON FIBER GRAPHITE "CF" VANES WHERE NOTED.

NOTE: KITS SOLD IN EUROPE CONTAIN EXHAUST FILTERS WITH DAMPERS WHERE APPROPRIATE.

| MODEL(S) | | PART NUMBER |
|----------|----------|-------------|
| 0400 B | GX VANES | BMKF021 |
| 0400 B | CF VANES | BMKF021CF |
| 0502 B | GX VANES | BMKF022 |
| 0502 B | CF VANES | BMKF022CF |
| 0630 B | GX VANES | BMKF023 |
| 0630 B | CF VANES | BMKF023CF |



FEATURED SPARES

VANES

| MODEL(S) | # REQ. | PART NUMBER |
|----------|--------|-------------|
| 0400 B | GX-3 | 72245400 |
| 0400 B | CF-3 | 72245400CF |
| 0502 B | GX-3 | 722516054 |
| 0502 B | CF-3 | 722516054CF |
| 0630 B | GX-3 | 72245500 |
| 0630 B | CF-3 | 72245500CF |



EXHAUST FILTERS

| MODEL(S) | # REQ. | PART NUMBER |
|----------|--------|-------------|
| ALL | 8 | 53230401 |
| ALL | 8 * | 532917864 |



*Damper/Silencer Type

PRESSURE GAUGES

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 54500400 |



OIL FILTERS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 53100500 |



INLET FILTERS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 53200600 |

RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 568 (1L/1.06QT) GENERAL PURPOSE | 568-001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC | PPGOLD001 |
| PLUS 530 (1L/1.06QT) USDA H-2 GENERAL PURPOSE | 530-001 |
| PLUS 570 (1L/1.06QT) USDA H-2 FULLY SYNTHETIC | 570001 |



KITS

FILTER KITS

FILTER KITS INCLUDE EXHAUST FILTER ELEMENTS, OIL FILTER, O-RINGS, OIL DRAIN PLUG GASKET & STRAINER BAFFLE AS REQUIRED.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | BFK014 |
| ALL | BFK014D |

GASKET KITS

GASKET KITS INCLUDE O-RINGS, GASKETS & SHAFT SEALS FOR MINOR MAINTENANCE.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | BGK011 |

OVERHAUL KITS

OVERHAUL KITS INCLUDE ALL COMPONENTS OF GASKET KITS PLUS BEARING SLEEVES, BEARINGS, VANES & OTHER COMPONENTS NEEDED FOR PUMP OVERHAUL. OVERHAUL KITS ARE NOW AVAILABLE WITH EITHER OUR FIBERGLASS POLYMER "GX" VANES OR CARBON FIBER GRAPHITE "CF" VANES WHERE NOTED.

| MODEL(S) | | PART NUMBER |
|----------|----------|-------------|
| 1000 B | GX VANES | BMK025 |
| 1000 B | CF VANES | BMK025CF |
| 1600 B | GX VANES | BMK026 |

OVERHAUL KITS w/EXHAUST FILTERS

OVERHAUL KITS INCLUDE ALL COMPONENTS OF THE GASKET KITS PLUS BEARING SLEEVES, BEARINGS, VANES, EXHAUST FILTERS, OIL FILTER, STRAINER BAFFLE AND OTHER COMPONENTS NEEDED FOR PUMP OVERHAUL. OVERHAUL KITS ARE NOW AVAILABLE WITH EITHER OUR FIBERGLASS POLYMER "GX" VANES OR CARBON FIBER GRAPHITE "CF" VANES WHERE NOTED.

| MODEL(S) | | PART NUMBER |
|----------|----------|-------------|
| 1000 B | GX VANES | BMKF025 |
| 1000 B | CF VANES | BMKF025CF |
| 1600 B | GX VANES | BMKF026 |



FEATURED SPARES

VANES

| MODEL(S) | # REQ. | PART NUMBER |
|----------|--------|-------------|
| 1000 B | GX-3 | 72245600 |
| 1000 B | CF-3 | 72245600CF |
| 1600 B | GX-6 | 72245700 |

EXHAUST FILTERS

| MODEL(S) | # REQ. | PART NUMBER |
|----------|--------|-------------|
| ALL | 16 | 53230401 |
| ALL | 16 * | 532917864 |

*Damper/Silencer Type

PRESSURE GAUGES

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 54500400 |

OIL FILL CAPS w/PRESSURE GAUGES

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 94610202 |

OIL FILTERS

| MODEL(S) | PART NUMBER |
|--------------|-------------|
| ALL (REQ. 2) | 53100500 |

RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 530 (1L/1.06QT) USDA H-2 GENERAL PURPOSE | 530-001 |
| PLUS 570 (1L/1.06QT) USDA H-2 FULLY SYNTHETIC | 570001 |



KITS

OVERHAUL KITS

OVERHAUL KITS INCLUDE ALL COMPONENTS OF THE SEAL KIT PLUS BEARINGS, SLEEVES, VANES AND OTHER ITEMS NEEDED FOR MAJOR PUMP MAINTENANCE.

MODEL(S)

MM1200-1324 AV
MM1402-1502 AV
MM1100-1144BV

PART NUMBER

993134022
993156913
993138031

GASKET KITS

GASKET KITS INCLUDE O-RINGS, GASKETS & SHAFT SEALS FOR MINOR PUMP MAINTENANCE.

MODEL(S)

MM1200-1324 AV
MM1402-1502 AV
MM1100-1144BV

PART NUMBER

990134021
990156917
990138032



FEATURED SPARES

BEARINGS

MODEL(S)

MM1200-1320AV
MM1200-1320AV
MM1100-1144BV
MM1100-1144BV
MM1402/1502AV
MM1402/1502AV

PART NUMBER

473000258
473131256
473137629
473137627
473131256
473000258



SLEEVES

MODEL(S)

M1200-1320AV
MM1200-1320AV
MM1100-1144BV
MM1100-1144BV
MM1402/1502AV

PART NUMBER

322131057
322131045
322148036
322137583
322131057



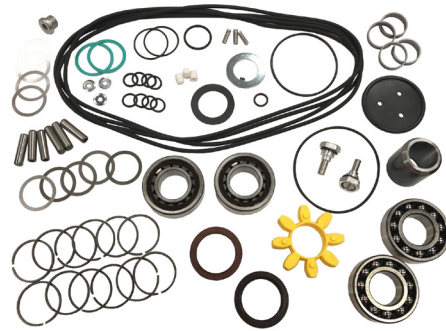
KITS

OVERHAUL KITS

OVERHAUL KITS INCLUDE ALL COMPONENTS OF THE SEAL KIT PLUS BEARINGS, SLEEVES AND OTHER ITEMS NEEDED FOR PUMP MAINTENANCE.

MODEL(S)
WV 1000 B/C

PART NUMBER
994000103



FEATURED SPARES

BEARINGS

MODEL(S)
WV1000 B/C
WV1000 B/C

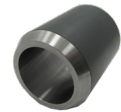
PART NUMBER
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47325200



SLEEVES

MODEL(S)
WV1000 B/C

PART NUMBER
4604800



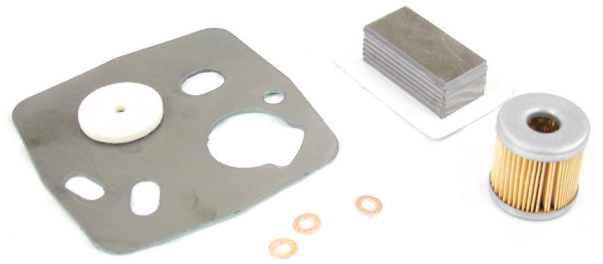
KITS

MAJOR OVERHAUL KITS

MAJOR OVERHAUL KITS INCLUDE VANES, GASKETS, FILTERS, COPPER WASHERS & BODY GASKETS FOR MAJOR OVERHAUL.

NOTE: KITS SOLD IN EUROPE CONTAIN EXHAUST FILTERS WITH DAMPERS WHERE APPROPRIATE.

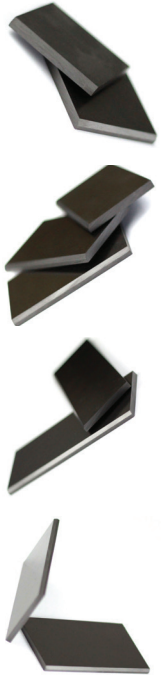
| MODEL(S) | PART NUMBER |
|-----------|-------------|
| SV 1010 B | 994000017 |
| SV 1010 C | 994528975 |
| SV 1016 B | 994000014 |
| SV 1016 C | 994528977 |
| SV 1025 B | 994000015 |
| SV 1025 C | 994528979 |
| SV 1040 B | 994000016 |
| SV 1040 C | 994528981 |
| SV 1063 B | 994000018 |
| SV 1080 B | 994000019 |
| SV 1100 C | 993506675 |
| SV 1140 C | 993506676 |



FEATURED SPARES

VANES

| MODEL(S) | # REQ. | PART NUMBER |
|-------------|--------|-------------|
| SV 1010 B | 7 | 722000242 |
| SV 1010 C | 7 | 722533535 |
| SV 1016 B/C | 7 | 722000489 |
| SV 1025 B | 7 | 722000189 |
| SV 1025 C | 7 | 722533536 |
| SV 1040 B/C | 7 | 722534079 |
| SV 1063 B | 4 | 722000016 |
| SV 1080 B | 4 | 722000017 |
| SV 1100 C | 4 | 722000122 |
| SV 1140C | 4 | 722500050 |



FILTERS

| MODEL(S) | PART NUMBER |
|--------------|-------------|
| SV 1010 B | 53203200 |
| SV 1010 C | 53203100 |
| SV 1016 B/C | 53203100 |
| SV 1025 B | 53203400 |
| SV 1025 C | 53203400 |
| SV 1040 B | 53203400 |
| SV 1063/1080 | 532000017 |
| SV 1100 C | 532500080 |
| SV 1100 C | 532500081 |
| SV 1140 C | 532500045 |
| SV 1140 C | 532500046 |



NOTE:

INVENTORY IS LIMITED ON KITS & SPARES FOR EBARA PUMPS. PLEASE CHECK WITH CUSTOMER SERVICE FOR AVAILABILITY AND LEAD TIMES.



KITS

OVERHAUL KITS

OVERHAUL KITS INCLUDE O-RINGS, PFPE PREPARED BEARINGS, PISTON RINGS, SHIMS, LOCK NUTS, WASHERS, SIGHT GLASS & OTHER COMPONENTS FOR PUMP OVERHAUL.

MODEL(S)

AAS 20 N
AAS 200 WN
AAS 300 WN
EST 101 WN
ESR 200 WN

PART NUMBER

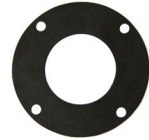
PEAAS20N
PEAAS200WN
PEAAS300WN
EST101WN
PEESR200WN



FEATURED SPARES

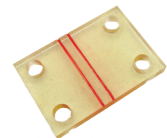
MOTOR SIGHT GLASS GASKETS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 300051 |



SIGHT GLASSES

| MODEL(S) | PART NUMBER |
|---------------------------|-------------|
| ALL (MOTOR 50X6MM, ROUND) | 9819 |
| ALL (MODULE, 44X44X11MM) | P322890 |
| ALL (MODULE, 29X42X4MM) | P322891 |



NOTE:

INVENTORY IS LIMITED ON KITS & SPARES FOR EBARA PUMPS. PLEASE CHECK WITH CUSTOMER SERVICE FOR AVAILABILITY AND LEAD TIMES.

KITS

OVERHAUL KITS

OVERHAUL KITS INCLUDE O-RINGS, PFPE PREPARED BEARINGS, PISTON RINGS, SHIMS, LOCK NUTS, WASHERS, SIGHT GLASS & OTHER COMPONENTS FOR PUMP OVERHAUL.

| MODEL(S) | PART NUMBER |
|-----------|-------------|
| AA 10 | PEAA10 |
| AA 20 | PEAA20 |
| AA 70 W | PEAA70W |
| AA 100 WN | PEAA100WN |
| AA 200 | PEAA200 |



FEATURED SPARES

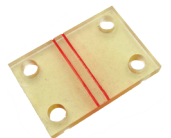
MOTOR SIGHT GLASS GASKETS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 300051 |



SIGHT GLASSES

| MODEL(S) | PART NUMBER |
|---------------------------|-------------|
| ALL (MOTOR 50X6MM, ROUND) | 9819 |
| ALL (MODULE, 44X44X11MM) | P322890 |
| ALL (MODULE, 29X42X4MM) | P322891 |



NOTE:

INVENTORY IS LIMITED ON KITS & SPARES FOR EBARA PUMPS. PLEASE CHECK WITH CUSTOMER SERVICE FOR AVAILABILITY AND LEAD TIMES.



KITS

O-RING KITS

| MODEL(S) | PART NUMBER |
|----------|--------------|
| A 07 V | PEA07VORING |
| A 10 S | PEA10SORING |
| A 30 W | PEA30WORING |
| A 70 W | PEA70WORING |
| A 150 W | PEA150WORING |



OVERHAUL KITS

OVERHAUL KITS INCLUDE O-RINGS, PFPE PREPARED BEARINGS, PISTON RINGS & SIGHT GLASS FOR PUMP OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| A 07 V | PEA07V |
| A 10 S | PEA10S |
| A 25 S | PEA25S |
| A 30 W | PEA30W |
| A 70 W | PEA70W |
| A 150 W | PEA150W |



FEATURED SPARES

MOTOR SIGHT GLASS GASKETS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 300051 |



SIGHT GLASSES

| MODEL(S) | PART NUMBER |
|---------------------------|-------------|
| ALL (MOTOR 50X6MM, ROUND) | 9819 |
| ALL (MODULE, 44X44X11MM) | P322890 |
| ALL (MODULE, 29X42X4MM) | P322891 |



NOTE:

INVENTORY IS LIMITED ON KITS & SPARES FOR EBARA PUMPS. PLEASE CHECK WITH CUSTOMER SERVICE FOR AVAILABILITY AND LEAD TIMES.

KITS

O-RING KITS
MODEL(S)

40X20
50X20
65X40
80X25
150X40

PART NUMBER

PE40205ORING
PE50206ORING
PE6540ORING
PE80256ORING
PE15040ORING



OVERHAUL KITS

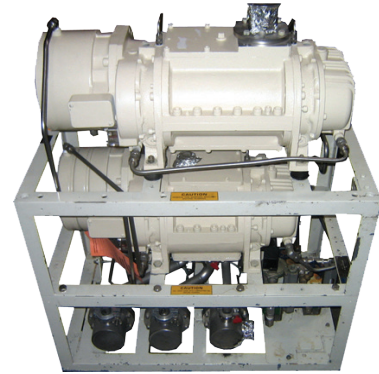
OVERHAUL KITS INCLUDE O-RINGS, PFPE PREPARED BEARINGS, PISTON RINGS & SIGHT GLASS FOR PUMP OVERHAUL.

MODEL(S)

40X20
50X20
65X40
80X25
150X40

PART NUMBER

PE40205
PE50206
PE6540
PE80256
PE15040



FEATURED SPARES

MOTOR SIGHT GLASS GASKETS

MODEL(S)

ALL

PART NUMBER

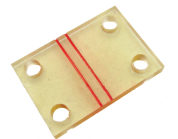
300051



SIGHT GLASSES

MODEL(S)

ALL (MOTOR 50X6MM, ROUND) 9819
ALL (MODULE, 44X44X11MM) P322890
ALL (MODULE, 29X42X4MM) P322891





KITS

OVERHAUL KITS

MAJOR OVERHAUL KITS INCLUDE PUMP & MOTOR BEARINGS, INNER & OUTER RINGS, HEADPLATE SLEEVE, LIP SEALS, O-RINGS, SIGHT GLASS, COUPLING ELEMENT, SHIMS, VALVES, MOTOR GASKETS & OTHER COMPONENTS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------------------------------|-------------|
| iH80 (PUMP KIT) | 40801800 |
| iH80 (PUMP KIT W/O SEAL CARRIER) | 40801801 |
| iH160 (PUMP KIT) | 40803800 |
| iH160 (PUMP KIT W/O CARRIER) | 40803801 |



PUMP & BOOSTER REPAIR KITS

PUMP & BOOSTER REPAIR KITS INCLUDE ALL COMPONENTS OF OVERHAUL KITS AND BOOSTER KITS FOR A MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------------------------------|-------------|
| iH1800/2400 (PUMP & BOOSTER KIT) | 40803890 |
| iH1800/2400 (PUMP & BOOSTER KIT) | 40803891 |
| iH600/1000 (PUMP & BOOSTER KIT) | 40801890 |
| iH600/1000 (PUMP & BOOSTER KIT) | 40801891 |



BOOSTER REPAIR KITS

BOOSTER REPAIR KITS INCLUDE SHAFT SEALS, GASKETS, SLEEVES, SHIMS, FILTERS & BEARINGS (AS REQUIRED) FOR A COMPLETE OVERHAUL OF BOTH THE DRIVE SECTION & PUMPING MECHANISM OF BOOSTER PUMPS.

| MODEL(S) | PART NUMBER |
|----------------------------|-------------|
| HMB600/1000 (BOOSTER KIT) | 30305800 |
| HMB1800/2400 (BOOSTER KIT) | 30318800 |



FEATURED SPARES

SEAL KITS

| MODEL(S) | PART NUMBER |
|--------------------|-------------|
| iH 80/160/600/1000 | 40801496 |
| iH 80/160/600/1000 | 40801497 |

END COVER

| MODEL(S) | PART NUMBER |
|----------|-------------|
| iH80/160 | 40801717 |



ROTARY CARTRIDGE SEALS

| MODEL(S) | PART NUMBER |
|--------------------------|-------------|
| iH80/160 (L.H. ASSEMBLY) | 40801097 |
| iH80/160 (R.H. ASSEMBLY) | 40801096 |



STATORS

| MODEL(S) | PART NUMBER |
|--------------------------------|-------------|
| iH80/160 (2ND STAGE) | 40801711 |
| iH80/160 (3RD STAGE) | 40801712 |
| iH80 (4TH STAGE) | 40801713 |
| iH160 (4TH STAGE) | 40803713 |
| iH80 (HV STATOR) | 40801710 |
| iH80 (LV STATOR 2 GROOVE TYPE) | 40819714 |
| iH160 (HV STATOR) | 40803710 |
| iH160 (LV STATOR) | 40813714 |



BEARINGS

| MODEL(S) | PART NUMBER |
|---------------------------------|-------------|
| iH80/160 (CAGED CERAMIC 2 PACK) | 40801818 |



TIMING GEARS

| MODEL(S) | PART NUMBER |
|----------------------|-------------|
| iH80/160/HMB600/1000 | 22903759 |
| HMB1800/2400 | 22903701 |



ROTORS (CLAW)

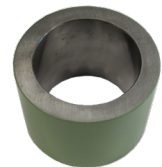
| MODEL(S) | PART NUMBER |
|------------------------|-------------|
| iH80/160 (2ND STAGE X) | 40801724 |
| iH80/160 (2ND STAGE Y) | 40801725 |
| iH80/160 (3RD STAGE X) | 40801726 |
| iH80/160 (3RD STAGE Y) | 40801727 |
| iH80/160 (4TH STAGE X) | 40801728 |
| iH80/160 (4TH STAGE Y) | 40801729 |
| iH80 (HV ROTOR) | 40801723 |
| iH160 (HV ROTOR) | 40803723 |
| iH80/160 (HV ROTOR) | 40801730 |



FEATURED SPARES

SLEEVES

| MODEL(S) | PART NUMBER |
|----------------------------|-------------|
| iH80 (2ND STAGE N-) | 40801068 |
| iH80 (2ND STAGE N) | 40801031 |
| iH80 (2ND STAGE N+) | 40801069 |
| iH160 (2ND STAGE N) | 40803021 |
| iH160 (2ND STAGE) | 30305055 |
| iH160 (3RD STAGE N-) | 40809062 |
| iH160 (3RD STAGE N) | 40809060 |
| iH160 (3RD STAGE N+) | 40809061 |
| iH160 (4TH STAGE N-) | 40809072 |
| iH160 (4TH STAGE N) | 40809070 |
| iH160 (4TH STAGE N+) | 40809071 |
| iH160 (4TH STAGE N- PLAIN) | 40806077 |
| iH160 (4TH STAGE N PLAIN) | 40806075 |
| iH160 (4TH STAGE N+ PLAIN) | 40806076 |
| iH160 (LV STAGE N-) | 40809082 |
| iH160 (LV STAGE N) | 40809080 |
| iH160 (LV STAGE N+) | 40809081 |



CANNED MOTORS

| MODEL(S) | PART NUMBER |
|------------------------------------|-------------|
| iH80 | 07113751 |
| iH160 (BEFORE MAY 2002) | 07113723 |
| iH160 (AFTER MAY 2002) | 07113750 |
| HCMB600/1000 (2.2/2.6KW) | 07113753 |
| HMB1800/2400 (HEAC) (2.9/3.5KW) | 07113751 |
| HMB1800/2400 (2.9/3.5KW) | 07113711 |



SHAFTS

| MODEL(S) | PART NUMBER |
|-----------------|-------------|
| iH80 (Y SHAFT) | 40801722 |
| iH80 (X SHAFT) | 40809720 |
| iH160 (Y SHAFT) | 40803719 |
| iH160 (X SHAFT) | 40803720 |



HEADPLATE

| MODEL(S) | PART NUMBER |
|----------|-------------|
| iH80/160 | 40819715 |

OTHER SPARES

| MODEL(S) | PART NUMBER |
|------------------------|-------------|
| iH80/160 (SHIM, .07) | 40801057 |
| iH80/160 (SHIM, .10) | 40801058 |
| iH80/160 (SHIM, .125) | 40801059 |
| iH80/160 (SHIM, .04) | 40801078 |
| iH80/160 (GEAR SPACER) | 40801049 |
| iH80/160 (SIGHT GLASS) | 29201004 |



NOTE:

INVENTORY IS LIMITED ON KITS & SPARES FOR IL PUMPS. PLEASE CHECK WITH CUSTOMER SERVICE FOR AVAILABILITY AND LEAD TIMES.



KITS

OVERHAUL KITS

MAJOR OVERHAUL KITS INCLUDE PUMP & MOTOR BEARINGS, INNER & OUTER RINGS, HEADPLATE SLEEVE, LIP SEALS, O-RINGS, SIGHT GLASS, COUPLING ELEMENT, SHIMS, VALVES, MOTOR GASKETS & OTHER COMPONENTS FOR MAJOR OVERHAUL.

MODEL(S)
iL70 (PUMP KIT)

PART NUMBER
40802800



PUMP & BOOSTER REPAIR KITS

PUMP & BOOSTER REPAIR KITS INCLUDE ALL COMPONENTS OF OVERHAUL KITS AND BOOSTER KITS FOR A MAJOR OVERHAUL.

MODEL(S)
iL600 (PUMP & BOOSTER KIT)

PART NUMBER
40802890



BOOSTER REPAIR KITS

BOOSTER REPAIR KITS INCLUDE SHAFT SEALS, GASKETS, SLEEVES, SHIMS, FILTERS & BEARINGS (AS REQUIRED) FOR A COMPLETE OVERHAUL OF BOTH THE DRIVE SECTION & PUMPING MECHANISM OF BOOSTER PUMPS.

MODEL(S)
HMB600 (BOOSTER KIT)

PART NUMBER
30305800



FEATURED SPARES

END COVER

MODEL(S)
iL70

PART NUMBER
40801717



SHAFT SEALS

MODEL(S)
iL70

PART NUMBER
40805732

STATORS

MODEL(S)
iL70 (2ND STAGE)
iL70 (3RD STAGE)
iL70 (4TH STAGE)
iL70 (HV STATOR)
iL70 (LV STATOR)

PART NUMBER
40802711
40802712
40802713
40802710
40802714



CANNED MOTORS

MODEL(S)
iL70

PART NUMBER
07113717

TIMING GEARS

MODEL(S)
iL70/iL600

PART NUMBER
22903759



ROTORS (CLAW)

MODEL(S)
iL70 (2ND STAGE X)
iL70 (2ND STAGE Y)
iL70 (3RD STAGE X)
iL70 (3RD STAGE Y)
iL70 (4TH STAGE X)
iL70 (4TH STAGE Y)
iL70 (HV ROTOR)
iL70 (HV ROTOR)

PART NUMBER
40802724
40802725
40802726
40802727
40802728
40802729
40802723
40802730



GEAR COVER

MODEL(S)
iL70

PART NUMBER
40801786

SHAFTS

MODEL(S)
iL70 (Y SHAFT)
iL70 (X SHAFT)

PART NUMBER
40802722
40802720

HEADPLATE

MODEL(S)
iL70

PART NUMBER
40802715

NOTE:

INVENTORY IS LIMITED ON KITS & SPARES FOR IL PUMPS. PLEASE CHECK WITH CUSTOMER SERVICE FOR AVAILABILITY AND LEAD TIMES.

FEATURED SPARES

SLEEVES

| MODEL(S) | PART NUMBER |
|-----------------------|-------------|
| iL70 (2ND STAGE Y) | 40802016 |
| iL70 (2ND STAGE Y N-) | 40802017 |
| iL70 (2ND STAGE Y N+) | 40802018 |
| iL70 (3RD STAGE X) | 40802033 |
| iL70 (3RD STAGE Y) | 40802034 |
| iL70 (3RD STAGE X N-) | 40802070 |
| iL70 (3RD STAGE X N+) | 40802071 |
| iL70 (3RD STAGE Y N-) | 40802072 |
| iL70 (3RD STAGE Y N+) | 40802073 |
| iL70 (4TH STAGE X) | 40802035 |
| iL70 (4TH STAGE Y) | 40802036 |
| iL70 (4TH STAGE X N-) | 40802096 |
| iL70 (4TH STAGE X) | 40802097 |
| iL70 (4TH STAGE Y N-) | 40802098 |
| iL70 (4TH STAGE Y N+) | 40802099 |
| iL70 (LV STAGE) | 40802040 |
| iL70 (LV STAGE N-) | 40802094 |
| iL70 (LV STAGE N+) | 40802095 |

PISTON RINGS

| MODEL(S) | PART NUMBER |
|-------------|-------------|
| iL70 (64MM) | 40801055 |
| iL70 (57MM) | 40801056 |
| iL70 (68MM) | 40802085 |

OTHER SPARES

| MODEL(S) | PART NUMBER |
|--------------------------|-------------|
| iL70 (SHIM, .07) (10PK) | 40802757 |
| iL70 (SHIM, .10) (10PK) | 40802758 |
| iL70 (SHIM, .125) (10PK) | 40802759 |
| iL70 (SHIM, .04) (30PK) | 40802778 |
| iL70 (GEAR SPACER) | 40801049 |
| iL70 (SIGHT GLASS) | 29201004 |



KITS

MAJOR OVERHAUL KITS

MAJOR OVERHAUL KITS INCLUDE PUMP & MOTOR BEARINGS, INNER & OUTER RINGS, HEADPLATE SLEEVE, LIP SEALS, O-RINGS, SIGHT GLASS, COUPLING ELEMENT, SHIMS, VALVES, MOTOR GASKETS & OTHER COMPONENTS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------------|-------------|
| DP/QDP/IQDP 40 | 40130300D40 |
| DP/QDP/IQDP 80 | 40130300D80 |



BOOSTER REPAIR KITS

BOOSTER REPAIR KITS INCLUDE SHAFT SEALS, GASKETS, SLEEVES, SHIMS, FILTERS & BEARINGS (AS REQUIRED) FOR A COMPLETE OVERHAUL OF BOTH THE DRIVE SECTION & PUMPING MECHANISM OF BOOSTER PUMPS. BOOSTER KITS ARE DESIGNED FOR USE IN EITHER CONICAL OR PRE-CONICAL VERSIONS OF PUMP.

| MODEL(S) | PART NUMBER |
|----------------|-------------|
| QMB/EH 250/500 | 30151800 |
| QMB/EH 1200 | 30551800 |



FEATURED SPARES

HEADPLATES

| MODEL(S) | PART NUMBER |
|------------------------------|-------------|
| DP/QDP/IQDP 40/80 (LV STAGE) | 40090702 |



STATORS

| MODEL(S) | PART NUMBER |
|----------------------------|-------------|
| DP/QDP/IQDP 40 (2ND STAGE) | 40001702 |
| DP/QDP/IQDP 40 (3RD STAGE) | 40001703 |
| DP/QDP/IQDP 40 (LV STAGE) | 40001704 |
| DP/QDP/IQDP 40 (HV STAGE) | 40001741 |
| DP/QDP/IQDP 80 (2ND STAGE) | 40101702 |
| DP/QDP/IQDP 80 (3RD STAGE) | 40101703 |
| DP/QDP/IQDP 80 (LV STAGE) | 40101704 |
| DP/QDP/IQDP 80 (HV STAGE) | 40101741 |



SPACER SLEEVES

| MODEL(S) | PART NUMBER |
|-------------------------------|-------------|
| DP/QDP/IQDP 40/80 (HEADPLT) | 27820038 |
| DP/QDP/IQDP 40/80 (2ND STAGE) | 27820030 |
| DP/QDP/IQDP 40/80 (3RD STAGE) | 27820029 |
| DP/QDP/IQDP 40/80 (LV STAGE) | 27820028 |



ROTORS (CLAW)

| MODEL(S) | PART NUMBER |
|----------------------------|-------------|
| DP/QDP/IQDP 40 (2ND X STG) | 26401140 |
| DP/QDP/IQDP 40 (2ND Y STG) | 26401141 |
| DP/QDP/IQDP 40 (3RD X STG) | 26401142 |
| DP/QDP/IQDP 40 (3RD Y STG) | 26401143 |
| DP/QDP/IQDP 40 (LV X STG) | 26401144 |
| DP/QDP/IQDP 40 (LV Y STG) | 26401145 |
| DP/QDP/IQDP 80 (2ND X STG) | 40191010 |
| DP/QDP/IQDP 80 (2ND Y STG) | 40191011 |
| DP/QDP/IQDP 80 (3RD X STG) | 40191012 |
| DP/QDP/IQDP 80 (3RD Y STG) | 40191013 |
| DP/QDP/IQDP 80 (LV X STG) | 40191014 |
| DP/QDP/IQDP 80 (LV Y STG) | 40191015 |



SHAFTS

| MODEL(S) | PART NUMBER |
|-------------------------------|-------------|
| DP/QDP/IQDP 40 (DRIVEN X STG) | 26401733 |
| DP/QDP/IQDP 40 (DRIVEN Y STG) | 26401732 |
| DP/QDP/IQDP 80 (DRIVEN X STG) | 26401775 |
| DP/QDP/IQDP 80 (DRIVEN Y STG) | 26401776 |



TIMING GEARS

| MODEL(S) | PART NUMBER |
|-----------------|-------------|
| DP 40/80 (PAIR) | 22903048 |



MOTORS

| MODEL(S) | PART NUMBER |
|----------------------------|-------------|
| QDP 40 230/460V - 60HZ 3PH | A07113770 |
| QDP 80 230/460V - 60HZ 3PH | A07115770 |

KITS

SILENCER SERVICE KITS

SILENCER SERVICE KITS INCLUDE ALL SEALS & OTHER COMPONENTS TO COMPLETE REGULAR PREVENTATIVE MAINTENANCE OF EXHAUST SILENCERS - RECOMMENDED EVERY THREE MONTHS.

| MODEL(S) | PART NUMBER |
|------------|-------------|
| QDP 40/80 | 38611400 |
| IQDP 40/80 | 38611820 |

EXHAUST CHECK VALVE SERVICE KITS

EXHAUST CHECK VALVE KITS INCLUDE ALL SEALS & OTHER COMPONENTS TO COMPLETE REGULAR PREVENTATIVE MAINTENANCE OF EXHAUST VALVES (IF FITTED) - RECOMMENDED EVERY THREE MONTHS.

| MODEL(S) | PART NUMBER |
|----------------|-------------|
| QDP/IQDP 40/80 | 44003820 |

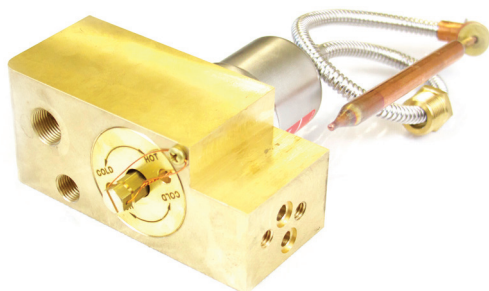
TCV WATER VALVE REPAIR KITS

| MODEL(S) | PART NUMBER |
|--------------------------|-------------|
| QDP/IQDP 40/80 (DANFOSS) | 28702019 |
| QDP/IQDP 40/80 (SLOTTED) | 52840830 |



TCV WATER MANIFOLD ASSEMBLIES

| MODEL(S) | PART NUMBER |
|----------------|-------------|
| QDP/IQDP 40/80 | 52840029 |



FEATURED SPARES

IQDP ELECTRONICS MODULE FUSES

| MODEL(S) | PART NUMBER |
|-------------------|-------------|
| PACKAGE 2 | 37207801 |
| PACKAGE 3 | 37207802 |
| PACKAGE 2/10 EACH | 37207803 |



GAS MODULES

| MODEL(S) | PART NUMBER |
|-----------|-------------|
| QDP 40/80 | 52805000 |



EXHAUST CHECK VALVES

| MODEL(S) | PART NUMBER |
|----------------|-------------|
| QDP/IQDP 40/80 | 44003000 |

EXHAUST SILENCERS (CLEANABLE)

| MODEL(S) | PART NUMBER |
|----------------|-------------|
| QDP/IQDP 40/80 | 52819000 |



EXHAUST TEMPERATURE SENSORS

| MODEL(S) | PART NUMBER |
|-----------|-------------|
| QDP 40/80 | 53207000 |



N2 FLOW SWITCHES

| MODEL(S) | PART NUMBER |
|-----------|-------------|
| QDP 40/80 | 10000401 |

MOTOR TEMPERATURE SENSORS

| MODEL(S) | PART NUMBER |
|-----------|-------------|
| QDP 40/80 | 53220032 |

PUMP DISPLAY MODULES

| MODEL(S) | PART NUMBER |
|------------|-------------|
| IQDP 40/80 | 37209000 |



ELECTRIC MODULES (COMPLETE)

| MODEL(S) | PART NUMBER |
|------------|-------------|
| IQDP 40/80 | 37207800 |

WATER FLOW SWITCHES

| MODEL(S) | PART NUMBER |
|------------|-------------|
| IQDP 40/80 | 53249000 |



SENSOR MODULES

| MODEL(S) | PART NUMBER |
|------------|-------------|
| IQDP 40/80 | 37208800 |

WATER CONNECTORS

| MODEL(S) | PART NUMBER |
|----------------------|-------------|
| FEMALE QUICK CONNECT | 03530015 |
| MALE QUICK CONNECT | 03530016 |



THERMAL SNAP SWITCHES

| MODEL(S) | PART NUMBER |
|-------------------------------|-------------|
| 88 DEGREE C | 21913402 |
| 95 DEGREE C | 24867020 |
| UPGRADE KIT (80 TO 88 DEG C.) | 53199011 |





KITS

COMPLETE PUMP MODULES

INNER MODULES ARE FULLY ASSEMBLED USING NEW COMPONENTS, AND ARE TESTED AND READY FOR INSTALLATION. MODULES INCLUDE ALL REQUIRED GASKETS.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| RV 3 | 65201032 |
| RV 5 | 65301032 |
| RV 8 | 65401032 |
| RV 12 | 65501032 |

BLADE KITS

BLADE KITS INCLUDE VANES, SPRINGS & PINS (AS REQUIRED).

| MODEL(S) | PART NUMBER |
|----------|-------------|
| RV 3 | 65201130 |
| RV 5 | 65301130 |
| RV 8 | 65401130 |
| RV 12 | 65501130 |

CLEAN OVERHAUL KITS

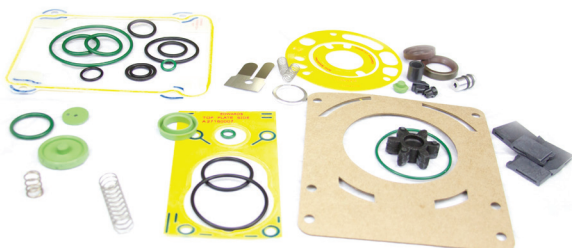
CLEAN OVERHAUL KITS INCLUDE COUPLING ELEMENTS, O-RINGS, GASKETS, AIRBLEED ASSEMBLY, DUCTING SHEET, SHAFT SEALS & OTHER COMPONENTS FOR ROUTINE MAINTENANCE.

| MODEL(S) | | PART NUMBER |
|-------------|---------|-------------|
| RV 3/5/8/12 | (VITON) | P65201131 |
| RV 3/5/8/12 | (BUNA) | P65201137 |

MAJOR KITS w/BLADES

MAJOR KITS W/BLADES INCLUDE ALL COMPONENTS OF CLEAN OVERHAUL KITS & BLADE KITS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|--------------|
| RV 3 | 65201131RV3 |
| RV 5 | 65201131RV5 |
| RV 8 | 65201131RV8 |
| RV 12 | 65201131RV12 |



FEATURED SPARES

ROTORS

| MODEL(S) | | PART NUMBER |
|-------------|----------------|-------------|
| RV 3/5 | (1ST-HV STAGE) | 65201701 |
| RV 8 | (1ST-HV STAGE) | 65401701 |
| RV 12 | (1ST-HV STAGE) | 65501701 |
| RV 3/5 | (2ND-LV STAGE) | 65201703 |
| RV 8/12 | (2ND-LV STAGE) | 65401703 |
| RV 3/5/8/12 | (OIL PUMP) | 65201705 |



STATORS

| MODEL(S) | | PART NUMBER |
|----------|----------------|-------------|
| RV 3 | (1ST-HV STAGE) | 65201700 |
| RV 5 | (1ST-HV STAGE) | 65301700 |
| RV 8 | (1ST-HV STAGE) | 65401700 |
| RV 12 | (1ST-HV STAGE) | 65501700 |
| RV 3/5 | (2ND-LV STAGE) | 65201702 |
| RV 8/12 | (2ND-LV STAGE) | 65401702 |



UNIVERSAL MOTORS

| MODEL(S) | | PART NUMBER |
|-------------|-----------|-------------|
| RV 3/5/8/12 | (PHASE 1) | A65299500 |
| RV 3/5 | (PHASE 3) | A65297000 |
| RV 8/12 | (PHASE 3) | A65497000 |

MIST FILTERS & REPLACEMENT ITEMS

| MODEL(S) | | PART NUMBER |
|----------|-------------------|-------------|
| EMF 10 | (MIST FILTER) | 46226000 |
| EMF 10 | (FILTER ELEMENT) | 22304198 |
| EMF 10 | (ODOR ELMT - 5PK) | 22304079 |



SHAFT SLEEVE REPAIR KIT

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 65201136 |

RECOMMENDED OILS

| TYPE | PART NUMBER |
|---------------------------|-------------|
| ULTRAGRADE 19 (1L/1.06QT) | PPUG19001 |
| PLUS FF (1L/1.06QT) | PPFF001 |
| FLUSHING FLUID | |



KITS

BLADE KITS

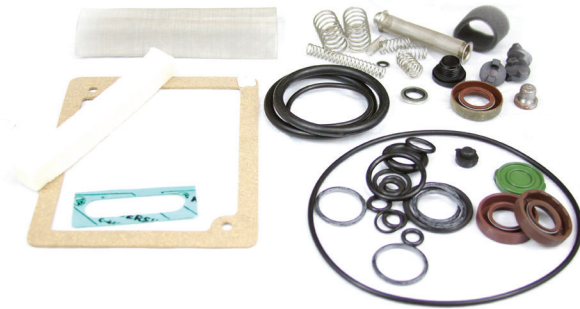
BLADE KITS INCLUDE VANES, SPRINGS & PINS (AS REQUIRED).

| MODEL(S) | PART NUMBER |
|---------------|-------------|
| E2M 0.7/1/1.5 | 37101132ED |

CLEAN OVERHAUL KITS

CLEAN OVERHAUL KITS INCLUDE SPRINGS, GASKETS, SEAL & OTHER COMPONENTS FOR LIGHT OVERHAUL.

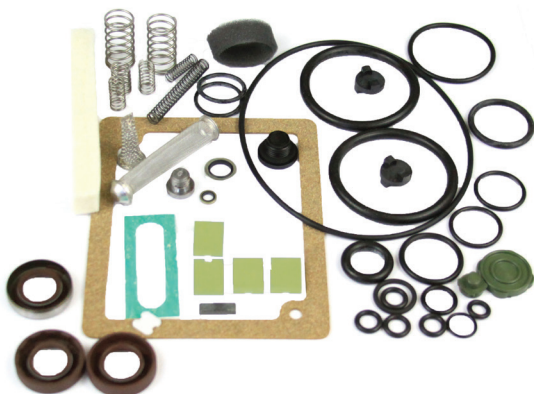
| MODEL(S) | PART NUMBER |
|---------------|-------------|
| E2M 0.7/1/1.5 | 37101131 |



MAINTENANCE KITS

MAINTENANCE KITS INCLUDE ALL COMPONENTS OF CLEAN & OVERHAUL KITS & BLADE KITS FOR COMPLETE OVERHAUL.

| MODEL(S) | PART NUMBER |
|---------------|-------------|
| E2M 0.7/1/1.5 | 37101800ED |



FEATURED SPARES

STATORS

| MODEL(S) | PART NUMBER |
|---------------------|-------------|
| MFG. AFTER NOV 2004 | 37101737 |



END PLATES

| MODEL(S) | PART NUMBER |
|---------------|-------------|
| E2M 0.7/1/1.5 | A37101702 |

HIGH VACUUM ROTORS

| MODEL(S) | PART NUMBER |
|---------------------|-------------|
| E2M 0.7/1/1.5 | A26401059 |
| MFG. AFTER NOV 2004 | 26401207 |



LOW VACUUM ROTORS

| MODEL(S) | PART NUMBER |
|---------------------|-------------|
| E2M 0.7/1/1.5 | 26401060 |
| MFG. AFTER NOV 2004 | 26401207 |

MIST FILTERS & REPLACEMENT ITEMS

| MODEL(S) | PART NUMBER |
|-------------------------|-------------|
| EMF 3 (MIST FILTER) | 46220000 |
| EMF 3 (FILTER ELEMENT) | 22304197 |
| EMF 3 (ODOR ELMT - 5PK) | 22304081 |



OIL FILTER SCREENS

| MODEL(S) | PART NUMBER |
|---------------|-------------|
| E2M 0.7/1/1.5 | 22305047 |



DISTRIBUTOR VALVES

| MODEL(S) | PART NUMBER |
|---------------|-------------|
| E2M 0.7/1/1.5 | 26501035 |

RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |



KITS

BLADE KITS

BLADE KITS INCLUDE VANES, SPRINGS & PINS (AS REQUIRED).

| MODEL(S) | PART NUMBER |
|----------|-------------|
| E2M 2 | 36001129ED |
| E2M 5 | 36101129ED |
| E2M 8 | 36201129ED |
| E2M 12 | 37001129ED |

CLEAN OVERHAUL KITS

CLEAN OVERHAUL KITS INCLUDE SPRINGS, GASKETS, SEAL & OTHER COMPONENTS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|-----------|-------------|
| E2M 2/5/8 | 34101131 |
| E2M 12 | 37001131 |



MAINTENANCE KITS

MAINTENANCE KITS INCLUDE ALL COMPONENTS OF CLEAN & OVERHAUL KITS & BLADE KITS FOR COMPLETE OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| E2M 2 | 36001800ED |
| E2M 5 | 36101800ED |
| E2M 8 | 36201800ED |
| E2M 12 | 37001800ED |



FEATURED SPARES

DISTRIBUTOR KITS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 36001040 |



ROTORS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| E2M 2 | 26401725 |
| E2M 5 | 26401728 |
| E2M 8 | 26401731 |
| E2M 12 | 26401780 |



MIST FILTERS & REPLACEMENT ITEMS

| E2M 2/5/8 | | MODEL(S) | PART NUMBER |
|-----------|-------------------|----------|-------------|
| EMF 10 | (MIST FILTER) | | 46226000 |
| EMF 10 | (FILTER ELEMENT) | | 22304198 |
| EMF 10 | (ODOR ELMT - 5PK) | | 22304079 |



| E2M 12 | | MODEL(S) | PART NUMBER |
|--------|-------------------|----------|-------------|
| EMF 20 | (MIST FILTER) | | 46229000 |
| EMF 20 | (FILTER ELEMENT) | | 22304199 |
| EMF 20 | (ODOR ELMT - 5PK) | | 22304077 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |



KITS

BLADE KITS

BLADE KITS INCLUDE VANES, SPRINGS & PINS (AS REQUIRED).

| MODEL(S) | PART NUMBER |
|-----------|-------------|
| E1M 18 | 34301041ED |
| E2M 18 | 36301020ED |
| E2M 28/30 | 37301135ED |

SEAL KITS

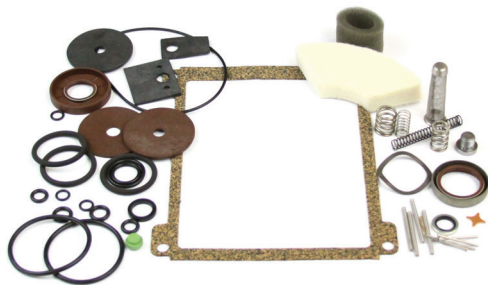
SEAL KITS INCLUDE SEALS, GASKETS, O-RINGS & COUPLINGS (AS REQUIRED).

| MODEL(S) | PART NUMBER |
|----------------|-------------|
| E1M 18, E2M 18 | 34301820 |
| E2M 28/30 | 37301820 |

CLEAN OVERHAUL KITS

CLEAN OVERHAUL KITS INCLUDE SEALS, COUPLING ELEMENT, O-RINGS, GASKETS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------------|-------------|
| E1M 18, E2M 18 | 36301131 |
| E2M 28/30 | 37301131 |



MAINTENANCE KITS

MAINTENANCE KITS INCLUDE ALL COMPONENTS OF CLEAN OVERHAUL KITS & BLADE KITS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|-----------|-------------|
| E1M 18 | 34301800ED |
| E2M 18 | 36301800ED |
| E2M 28/30 | 37301800ED |



FEATURED SPARES

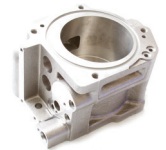
ROTORS

| MODEL(S) | PART NUMBER |
|--------------------------|-------------|
| E1M 18 | 26401747 |
| E2M 18 | 26401746 |
| E2M 28/30 (1ST-HV STAGE) | 26401073 |
| E2M 28/30 (2ND-LV STAGE) | 26401771 |



STATORS

| MODEL(S) | PART NUMBER |
|--------------------------|-------------|
| E1/2M 18 (1ST-HV STAGE) | 34301710 |
| E2M 18 (2ND-LV STAGE) | 36301714 |
| E2M 28/30 (1ST-HV STAGE) | 37301730 |
| E2M 28/30 (2ND-LV STAGE) | 37301731 |



MIST FILTERS & REPLACEMENT ITEMS

| MODEL(S) | PART NUMBER |
|--------------------------|-------------|
| E1/2M 18 | |
| EMF 20 (MIST FILTER) | 46229000 |
| EMF 20 (FILTER ELEMENT) | 22304199 |
| EMF 20 (ODOR ELMT - 5PK) | 22304077 |



E2M 28/30

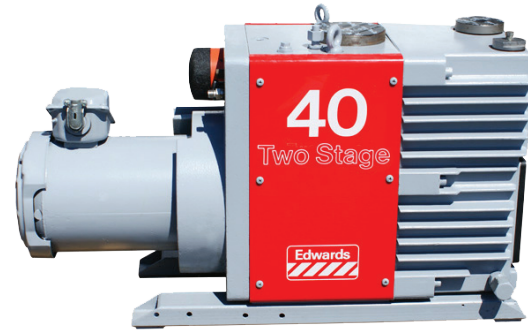
| | |
|-------------------------|----------|
| EMF 30 (MIST FILTER) | 46233000 |
| EMF 30 (FILTER ELEMENT) | 22304057 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |





KITS

BLADE KITS

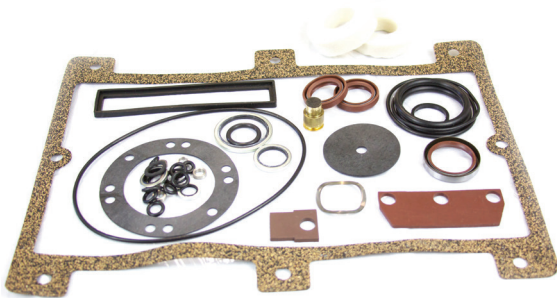
BLADE KITS INCLUDE VANES & SPRINGS (AS REQUIRED).

| MODEL(S) | PART NUMBER |
|----------|-------------|
| E1M 40 | 34401050ED |
| E2M 40 | 36401050ED |
| E1M 80 | 34501050ED |
| E2M 80 | 36501050ED |

CLEAN OVERHAUL KITS

CLEAN OVERHAUL KITS INCLUDE SEALS, COUPLING ELEMENT, O-RINGS, GASKETS & OTHER COMPONENTS FOR MINOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------------|-------------|
| E1M 40, E2M 40 | 34401131 |
| E1M 80, E2M 80 | 34501131 |



MAJOR SERVICE KITS

MAJOR SERVICE KITS INCLUDE ALL COMPONENTS OF CLEAN OVERHAUL KITS & BLADE KITS, PLUS BEARINGS MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| E1M 40 | 34401814ED |
| E2M 40 | 36401814ED |
| E1M 80 | 34501814ED |
| E2M 80 | 36501814ED |



FEATURED SPARES

ROTORS

| MODEL(S) | PART NUMBER |
|---------------------------|-------------|
| E1M/E2M 40 (1ST-HV STAGE) | 26401770 |
| E2M 40 (2ND-LV STAGE) | 26401740 |
| E1M/E2M 80 (1ST-HV STAGE) | 26401781 |
| E2M 80 (2ND-LV STAGE) | 26401742 |



STATORS

| MODEL(S) | PART NUMBER |
|-----------------------|-------------|
| 2M 40 (1ST-HV STAGE) | 36401702 |
| E2M 40 (2ND-LV STAGE) | 36401712 |
| E2M 80 (1ST-HV STAGE) | 36501772 |
| E2M 80 (2ND-LV STAGE) | 36501744 |



MIST FILTERS & REPLACEMENT ITEMS

| MODEL(S) | PART NUMBER |
|------------------------------------|-------------|
| MF100 (MIST FILTER) | A46203000 |
| MF100 (FILTER ELEMENT) | A22304020 |
| MF100 (SPARES KIT) | A46203800 |
| MF100AE (MIST FILTER) CORROSIVE | A46211000 |
| MF100AE (FILTER ELEMENT) CORROSIVE | A22304052 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|------------------------------------|-------------|
| ULTRAGRADE 19 (1L/1.06QT) | PPUG19001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |



KITS

BLADE KITS

BLADE KITS INCLUDE VANES & SPRINGS (AS REQUIRED).

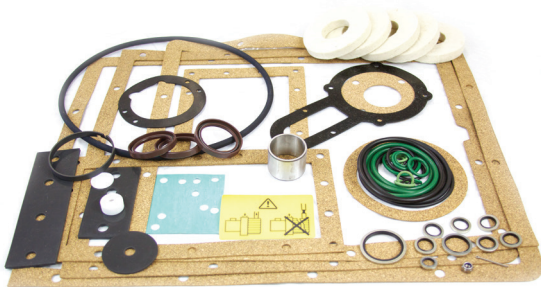
| MODEL(S) | PART NUMBER |
|----------|-------------|
| E1M 175 | 34601134ED |
| E1M 275 | 34701134ED |
| E2M 175 | 36601134ED |
| E2M 275 | 36701134ED |



CLEAN OVERHAUL KITS

CLEAN OVERHAUL KITS INCLUDE SEALS, COUPLING ELEMENT, O-RINGS, GASKETS & OTHER COMPONENTS FOR MINOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|-------------|-------------|
| E1M 175/275 | 34601131 |
| E2M 175/275 | 36601131 |



MAJOR SERVICE KITS

MAJOR SERVICE KITS INCLUDE ALL COMPONENTS OF CLEAN OVERHAUL KITS & BLADE KITS, PLUS BEARINGS & OTHER COMPONENTS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| E1M 175 | 34601831ED |
| E1M 275 | 34701831ED |
| E2M 175 | 36601831ED |
| E2M 275 | 36701831ED |



FEATURED SPARES

ROTORS

| MODEL(S) | PART NUMBER |
|----------------------------|-------------|
| E1/2M 175 (1ST-HV STAGE) | 26401057 |
| E1/2M 275 (1ST-HV STAGE) | 26401058 |
| E2M 175/275 (2ND-LV STAGE) | 26401777 |



STATORS

Note: Limited inventory on this item. Please check with customer service for availability.



| MODEL(S) | PART NUMBER |
|----------------------------|-------------|
| E1M 175 (1ST-HV STAGE) | 34601779 |
| E2M 175 (1ST-HV STAGE) | 36601726 |
| E1M 275 (1ST-HV STAGE) | 34701776 |
| E2M 275 (1ST-HV STAGE) | 36701776 |
| E2M 175/275 (2ND-LV STAGE) | 36601778 |



MIST FILTERS & REPLACEMENT ITEMS

| MODEL(S) | PART NUMBER |
|-------------------------|-------------|
| MF 300 (MIST FILTER) | A46204000 |
| MF 300 (FILTER ELEMENT) | A22304021 |
| MF 300 (SPARES KIT) | A46204800 |



EXHAUST VALVE UPGRADE KITS

| MODEL(S) | PART NUMBER |
|-----------|-------------|
| E1/2M 175 | A27804004 |
| E1/2M 275 | A36701825 |

RECOMMENDED OILS

| TYPE | PART NUMBER |
|--------------------------------------|-------------|
| ULTRAGRADE 19 (20L/5.28GAL) | PPUG19004 |
| PLUS FF (20L/5.28GAL) FLUSHING FLUID | PPFF004 |



KITS

TIP SEAL KITS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 73501801 |

BEARING REPLACEMENT KIT

BEARING KIT INCLUDES ALL PARTS NEEDED TO REPLACE THE PUMP BEARINGS INCLUDING SHIMS AND CARRIERS.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 73501802 |

OVERHAUL KITS (INCLUDES BEARINGS)

OVERHAUL KIT INCLUDES BEARINGS, SHAFT END CAP, WASHERS, SCREWS, PLUGS, SEALS & OTHER COMPONENTS NEEDED FOR PUMP OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 73501810 |



FEATURED SPARES

COOLING FAN KIT

USED TO REPLACE THE COOLING FAN INSIDE THE FAN COWL

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | A73501707 |



EXHAUST SILENCER SPARES KITS

INCLUDES ELEMENT, FOAM BLOCK & INSTALLATION MANUAL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 50597800 |

EXHAUST SILENCERS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 50597000 |

EXHAUST & BALLAST VALVE KITS

NOTE: 20i MODELS REQUIRE TWO KITS PER PUMP.

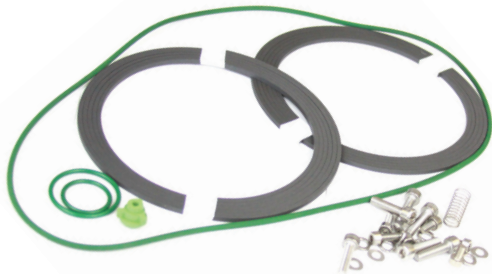
| MODEL(S) | PART NUMBER |
|--------------------|-------------|
| ALL NON "C" MODELS | 73501803 |
| ALL "C" MODELS | 73501804 |



KITS

TIP SEAL KITS

| MODEL(S) | PART NUMBER |
|----------------------|-------------|
| XDS 5/5C, XDS 10/10C | 72601805 |
| XDS 35I | 73001801 |



ROUTINE SERVICE KITS

ROUTINE SERVICE KITS INCLUDE ANGULAR CONTACT BEARINGS, SHAFT END CAP, WASHERS, SCREWS, PLUGS & O-RINGS FOR MAJOR OVERHAULS. (NOTE: TIP SEAL KIT IS NOT INCLUDED AND MUST BE PURCHASED SEPARATELY)

| MODEL(S) | PART NUMBER |
|----------------------|-------------|
| XDS 5/5C, XDS 10/10C | 72601823 |
| XDS 35I | 73001802 |



FEATURED SPARES

MOTOR BEARINGS

| MODEL(S) | PART NUMBER |
|----------------------|-------------|
| XDS 5/5C, XDS 10/10C | 20408012 |



EXHAUST SILENCER SPARES KITS

INCLUDES ELEMENT, FOAM BLOCK & INSTALLATION MANUAL.

| MODEL(S) | PART NUMBER |
|----------------------|-------------|
| XDS 5/5C, XDS 10/10C | A50597800 |
| XDS 35I | A50597801 |



EXHAUST SILENCERS

| MODEL(S) | PART NUMBER |
|----------------------|-------------|
| XDS 5/5C, XDS 10/10C | A50597000 |
| XDS 35I | A50597001 |



BALLAST KITS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| XDS 5 | A72501802 |
| XDS 10 | A72601802 |
| XDS 35I | A73001803 |



KITS

TIP SEAL KITS

MODEL(S)

ESDP 12
ESDP 30/30A, GVSP 30

PART NUMBER

P71002026
P71004026



MAJOR SERVICE KITS

MAJOR SERVICE KITS INCLUDE BEARINGS, TIP SEAL KIT, SHAFT SEALS, CRANK PINS, O-RINGS, VALVES & OTHER COMPONENTS FOR MAJOR OVERHAUL.

MODEL(S)

ESDP 12
ESDP 30/30A, GVSP 30

PART NUMBER

P71005800
P71004800



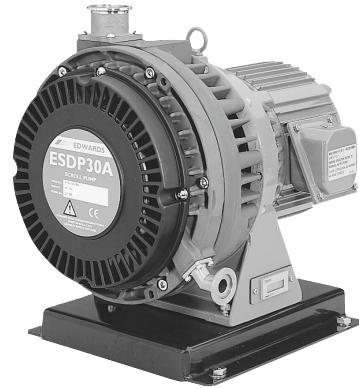
CRANK PIN KITS

MODEL(S)

ESDP 12
ESDP 30/30A, GVSP 30

PART NUMBER

71002006
71004006



FEATURED SPARES

CRANK SHAFTS

MODEL(S)

ESDP 12
ESDP 30/30A, GVSP 30

PART NUMBER

71002012
71003012





KITS

BOOSTER REPAIR KITS

BOOSTER REPAIR KITS INCLUDE SHAFT SEALS, GASKETS, SLEEVES, SHIMS, FILTERS & BEARINGS (AS REQUIRED) FOR COMPLETE OVERHAULS OF BOTH THE DRIVE SECTION & PUMPING MECHANISM OF BOOSTER PUMPS. BOOSTER KITS ARE DESIGNED FOR USE IN EITHER CONICAL OR PRE-CONICAL VERSION OF PUMP.

| MODEL(S) | PART NUMBER |
|----------------|-------------|
| EH/QMB 250/500 | 30151800 |
| EH/QMB 1200 | 30551800 |
| EH 2600/4200 | 30751800 |



SHIM KITS

SHIM KITS INCLUDE A COMPLETE SET OF SHIMS REQUIRED TO SET THE GEAR TIMING OF BOOSTERS.

| MODEL(S) | PART NUMBER |
|---------------------------|-------------|
| EH/QMB 250/500 | 30151825 |
| EH/QMB 1200, EH 2600/4200 | 30751825 |



NOTE:

3RD GENERATION PUMPS CAN BE IDENTIFIED BY THE DETACHABLE PLASTIC ELECTRICAL BOX ON TOP OF THE MOTOR, OIL DRAIN VALVE ON THE SIDE OF THE OIL BOX & A SINGLE-PIECE ROTOR INSIDE THE PUMP MECHANISM.

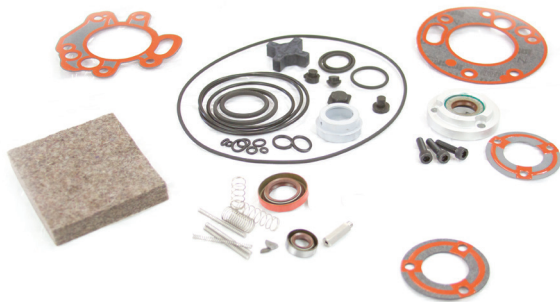


KITS

MINOR REPAIR KITS

MINOR REPAIR KITS INCLUDE O-RINGS, GASKETS, SHAFT SEALS, KEYS, VALVES, DRIP PADS, COUPLING, SPRINGS, VALVES, WASHERS & OTHER COMPONENTS FOR MINOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 0125749 |



MAJOR REPAIR KITS

MAJOR REPAIR KITS INCLUDE ALL COMPONENTS OF MINOR REPAIR KITS PLUS VANES NEEDED FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| M 4 C | M4CAMRK |
| M 6 C | M6CMRK |
| M 8 C | M8CBMRK |



FEATURED SPARES

VANES

| MODEL(S) | | PART NUMBER |
|----------|-----------|-------------|
| M 4 C | (INTAKE) | 616051 |
| M 4 C | (EXHAUST) | 616052 |
| M 6 C | (INTAKE) | 616050 |
| M 6 C | (EXHAUST) | 616053 |
| M 8 C | (INTAKE) | 616049 |
| M 8 C | (EXHAUST) | 616052 |



GASKETS

| MODEL(S) | | PART NUMBER |
|----------|--------------|-------------|
| ALL | (CASE) | 660199 |
| ALL | (SHAFT SEAL) | 410643 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|---|-------------|
| PLUS ULTRA GRADE 19 (1L/1.06QT) GENERAL PURPOSE | PPUG19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |



NOTE:

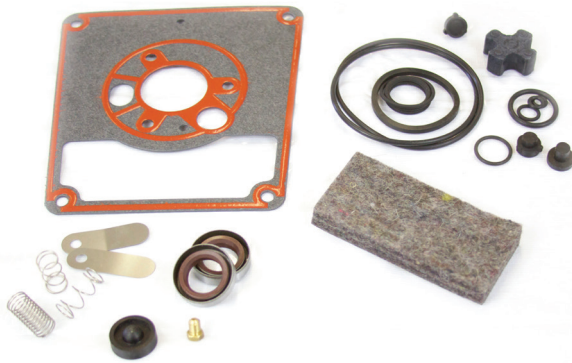
2ND GENERATION PUMPS CAN BE IDENTIFIED BY THE SQUARE METAL ELECTRICAL BOX COVER ON TOP OF THE MOTOR, OIL DRAIN VALVE AT THE CENTER OF THE OIL BOX & A SINGLE-PIECE ROTOR INSIDE THE PUMP MECHANISM.

KITS

MINOR REPAIR KITS

MINOR REPAIR KITS INCLUDE O-RINGS, GASKETS, SHAFT SEALS, KEYS, VALVES, DRIP PADS, COUPLING, SPRINGS, WASHERS & OTHER COMPONENTS FOR MINOR OVERHAUL.

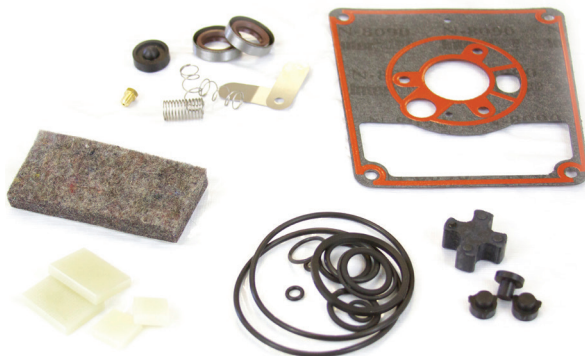
| MODEL(S) | PART NUMBER |
|----------|-------------|
| M 2/4 C | 0125717A |
| M 8/12 C | 0125717B |



MAJOR REPAIR KITS

MAJOR REPAIR KITS INCLUDE ALL COMPONENTS OF MINOR REPAIR KITS PLUS VANES FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| M 2 C | M2CMRK |
| M 4 C | M4CMRK |
| M 8 C | M8CAMRK |
| M 12 C | M12CAMRK |



FEATURED SPARES

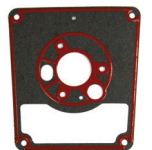
VANES

| MODEL(S) | | PART NUMBER |
|----------|-----------|-------------|
| M 2/4 C | (INTAKE) | 612178A |
| M 2/4 C | (EXHAUST) | 612179A |
| M 8 C | (INTAKE) | 619538B |
| M 8 C | (EXHAUST) | 619615A |
| M 12 C | (INTAKE) | 619616B |
| M 12 C | (EXHAUST) | 619615A |



GASKETS

| MODEL(S) | | PART NUMBER |
|----------|--------------|-------------|
| M 2/4 C | (CASE) | 612149B |
| M 8/12 C | (CASE) | 619609B |
| M 12 C | (SHAFT SEAL) | 410643 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS ULTRA GRADE 19 (1L/1.06QT) GENERAL PURPOSE | PPUG19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |



NOTE:

1ST GENERATION PUMPS CAN BE IDENTIFIED BY THE ROUND METAL ELECTRICAL BOX COVER & A TWO-PIECE ROTOR INSIDE THE PUMP MECHANISM.

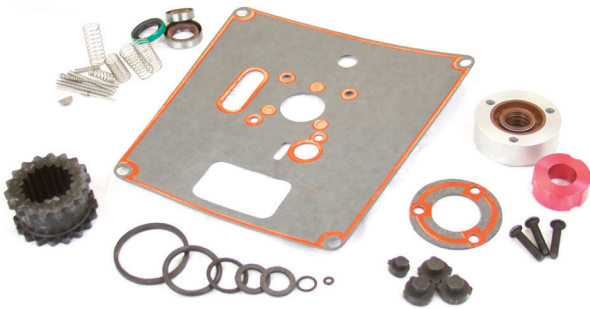


KITS

MINOR REPAIR KITS

MINOR REPAIR KITS INCLUDE O-RINGS, GASKETS, SHAFT SEALS, KEYS, VALVES, DRIP PADS, COUPLING, SPRINGS, WASHERS & OTHER COMPONENTS FOR MINOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| M 8/12 C | 619932 |
| M 16 C | 0125717C |



FEATURED SPARES

VANES

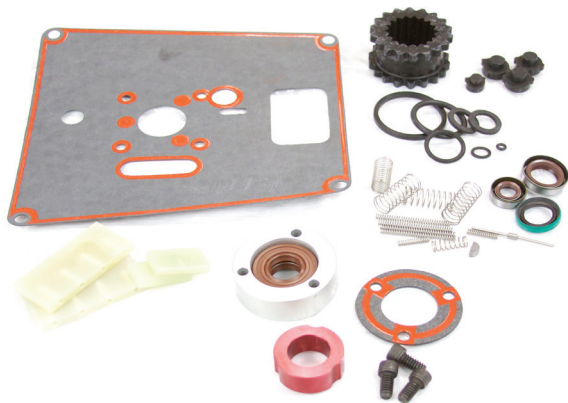
| MODEL(S) | | PART NUMBER |
|----------|-----------|-------------|
| M 8 C | (INTAKE) | 413479 |
| M 8 C | (EXHAUST) | 413327 |
| M 12 C | (INTAKE) | 413329 |
| M 12 C | (EXHAUST) | 413327 |
| M 16 C | (INTAKE) | 619571B |
| M 16 C | (EXHAUST) | 619570A |



MAJOR REPAIR KITS

MAJOR REPAIR KITS INCLUDE ALL COMPONENTS OF MINOR REPAIR KITS PLUS VANES FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| M 8 C | M8CMRK |
| M 12 C | M12CMRK |
| M 16 C | M16CMRK |



GASKETS

| MODEL(S) | | PART NUMBER |
|----------|--------------|-------------|
| M 8/12 C | (CASE) | 619637B |
| M 16 C | (CASE) | 619609B |
| ALL | (SHAFT SEAL) | 410643 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS ULTRA GRADE 19 (1L/1.06QT) GENERAL PURPOSE | PPUG19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |

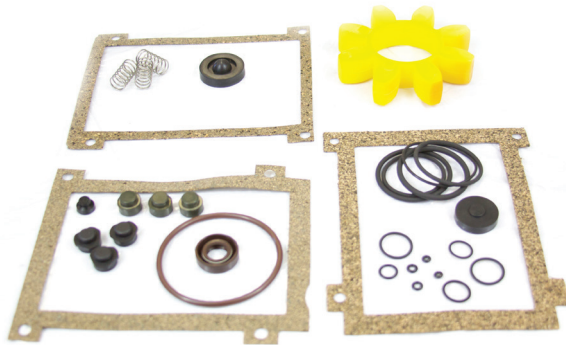


KITS

SEAL KITS

SEAL KITS INCLUDE COUPLING ELEMENT, O-RINGS, GASKETS, SHAFT SEALS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|------------|--------------|
| D 05/08/12 | 985700212001 |
| D 18/28 | 985700228008 |



MAJOR SERVICE KITS

MAJOR SERVICE KITS INCLUDE ALL COMPONENTS OF SEAL KITS PLUS VANES & OTHER COMPONENTS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|--------------|
| D 05 | 985700205002 |
| D 08/12 | 985700212002 |
| D 18/28 | 985700228002 |



FEATURED SPARES

EXHAUST VALVES

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 380016 |



DISCHARGE VALVES

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 52655 |



SHAFT BUSHINGS, INNER

| MODEL(S) | PART NUMBER |
|----------|-------------|
| D 18/28 | 250012 |



VANES

| MODEL(S) | PART NUMBER |
|------------------------|-------------|
| D 05 (1ST STAGE) | 230057G |
| D 08/12 (1ST STAGE) | 230055G |
| D 18/28 (1ST STAGE) | 230058G |
| D 05/08/12 (2ND STAGE) | 230056G |
| D 18/28 (2ND STAGE) | 230059G |



SHAFT SEALS

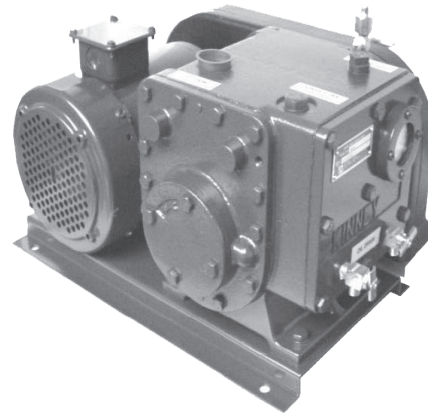
| MODEL(S) | PART NUMBER |
|------------|-------------|
| D 05/08/12 | 310055 |
| D 18/28 | 310054 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |





KITS

VALVE KITS

VALVE KITS INCLUDE VALVE BLOCK, PLATE, SPRINGS & SCREWS TO REPAIR THE DISCHARGE VALVE.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| KC 5/8 | 805430 |
| KC 15 | 805459 |

BEARING REPLACEMENT KITS

BEARING REPLACEMENT KITS INCLUDE BEARINGS & BEARING RING SPACERS.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 809999 |



MINOR MAINTENANCE KITS

MINOR MAINTENANCE KITS INCLUDE SHAFT SEALS, GASKETS, O-RINGS, SIGHT GLASS & OTHER COMPONENTS FOR MINOR REPAIR.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| KC 5/8 | 80946400BM |
| KC 15 | 80946700BM |



FEATURED SPARES

GASKETS

| MODEL(S) | PART NUMBER |
|---------------------|-------------|
| KC 5/8 (CYL. COVER) | 802489 |
| KC 15 (CYL. COVER) | 807354 |



SHAFT SEALS

| MODEL(S) | PART NUMBER |
|------------------|-------------|
| ALL (MECHANICAL) | 065046 |
| KC 5/8 | 072061 |
| KC 15 | 072062 |



SIGHT GLASSES

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 805684 |



VALVE BLOCKS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| KC 5/8 | 801620 |
| KC 15 | 802147 |



VALVE PLATES

| MODEL(S) | PART NUMBER |
|----------|-------------|
| KC 5/8 | 804221 |
| KC 15 | 802146 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 100 (1L/1.06QT) GENERAL PURPOSE OIL (EQU. TO LT) | PP100001 |
| PLUS 100 (20L/5.28GAL) GENERAL PURPOSE OIL (EQU. TO LT) | PP100004 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS GOLD (20L/5.28GAL) FULLY SYNTHETIC OIL | PPGOLD004 |

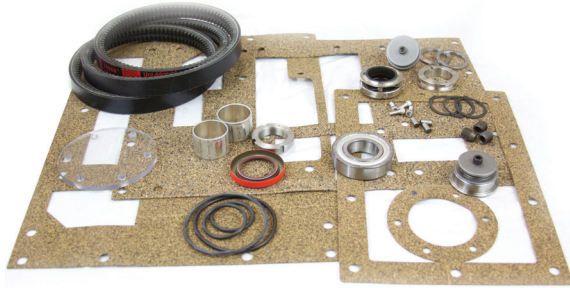


KITS

PREVENTATIVE MAINTENANCE KITS

PREVENTATIVE MAINTENANCE KITS INCLUDE DISCHARGE VALVES, SHAFT SEALS, GASKETS, O-RINGS, SIGHT GLASS, BEARINGS, DRIVE BELTS & OTHER COMPONENTS FOR OVERHAULS OF WEAR PARTS.

| MODEL(S) | PART NUMBER |
|------------|-------------|
| KTC 55/60 | 80947900BM |
| KTC 90/112 | 80948200BM |



FEATURED SPARES

DISCHARGE VALVES

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 066161 |



BEARINGS SLEEVES

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 054111 |



BEARINGS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 054104 |



SEPARATOR COVER GASKETS

| MODEL(S) | PART NUMBER |
|------------|-------------|
| KTC 55/60 | 806608 |
| KTC 90/112 | 804911 |



DRIVE BELTS

| MODEL(S) | PART NUMBER |
|------------|-------------|
| KTC 55/60 | 051155 |
| KTC 90/112 | 051123 |



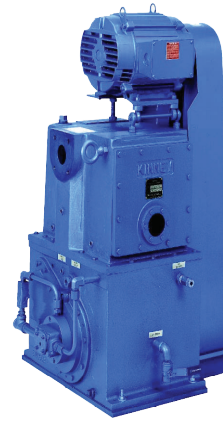
RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 100 (1L/1.06QT) GENERAL PURPOSE OIL (EQU. TO LT) | PP100001 |
| PLUS 100 (20L/5.28GAL) GENERAL PURPOSE OIL (EQU. TO LT) | PP100004 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS GOLD (20L/5.28GAL) FULLY SYNTHETIC OIL | PPGOLD004 |



NOTE:

COMING SOON! PISTONS, ECCENTRICS, SHAFTS AND HINGE PINS. CHECK WITH CUSTOMER CARE FOR AVAILABILITY.

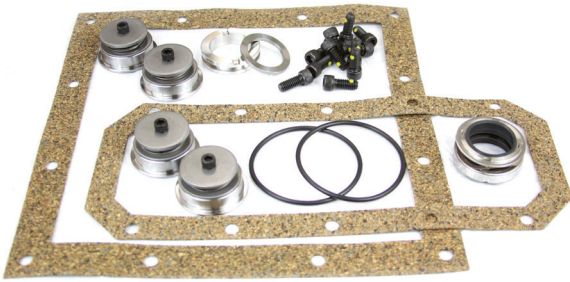


KITS

MINOR MAINTENANCE KITS

MINOR MAINTENANCE KITS INCLUDE DISCHARGE VALVES, SHAFT SEALS, GASKETS, O-RINGS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

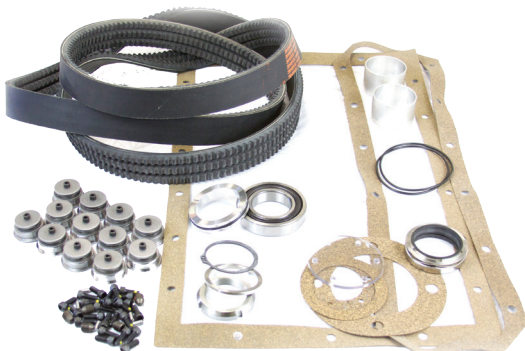
| MODEL(S) | PART NUMBER |
|----------|-------------|
| KT 150 C | 80942000BM |
| KT 300 C | 80941700BM |
| KT 300 D | 80942800BM |
| KT 500 C | 80941400BM |
| KT 500 D | 80943100BM |
| KT 850 C | 80941100BM |
| KT 850 D | 80943400BM |



PREVENTATIVE MAINTENANCE KITS

PREVENTATIVE MAINTENANCE KITS INCLUDE ALL COMPONENTS OF MINOR MAINTENANCE KITS PLUS SIGHT GLASS, BUSHINGS, BEARINGS, GASKETS & OTHER COMPONENTS FOR COMPLETE OVERHAUL.

| MODEL(S) | PART NUMBER |
|-------------------|-------------|
| KT 150 C | 80942100BM |
| KT 300 C (60 HZ.) | 80941800BM |
| KT 300 C (50 HZ.) | 80970600BM |
| KT 300 D (60 HZ.) | 80942900BM |
| KT 300 D (50 HZ.) | 80970700BM |
| KT 500 C | 80941500BM |
| KT 500 D | 80943200BM |
| KT 850 C | 80941200BM |
| KT 850 D | 80943500BM |



FEATURED SPARES

SHAFT SEAL-HEAD ASSEMBLIES

| MODEL(S) | PART NUMBER |
|----------|-------------|
| KT 150 C | 065112 |
| KT 300 C | 065114 |
| KT 300 D | 065215 |
| KT 500 C | 065116 |
| KT 500 D | 065214 |
| KT 850 C | 065118 |
| KT 850 D | 065213 |



DISCHARGE VALVES

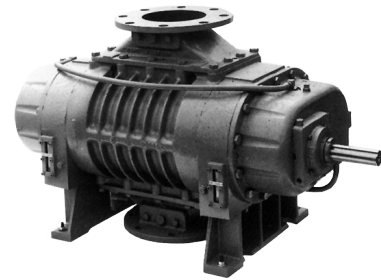
| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 066161 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 100 (1L/1.06QT) GENERAL PURPOSE OIL (EQU. TO LT) | PP100001 |
| PLUS 100 (20L/5.28GAL) GENERAL PURPOSE OIL (EQU. TO LT) | PP100004 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS GOLD (20L/5.28GAL) FULLY SYNTHETIC OIL | PPGOLD004 |





KITS

REPAIR KITS

REPAIR KITS INCLUDE SEALS, O-RINGS, BEARINGS, SHIMS & OTHER COMPONENTS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|-----------|-------------|
| KMBD 850 | 55086 |
| KMBD 1600 | 29211 |
| KMBD 1600 | 29212 |



FEATURED SPARES

SEALS

| MODEL(S) | PART NUMBER |
|---------------|-------------|
| KMBD 850 | 55495 |
| KMBD 1600/850 | 11449 |
| KMBD 1600 | 310140 |



BEARINGS

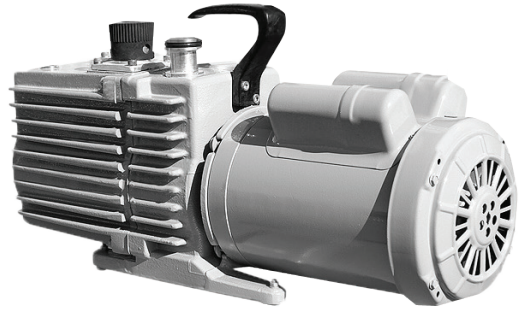
| MODEL(S) | PART NUMBER |
|---------------|-------------|
| KMBD 1600/850 | 10999 |
| KMBD 1600/850 | 21964 |
| KMBD 1600/850 | 30410 |



PLATES

| MODEL(S) | PART NUMBER |
|---------------|-------------|
| KMBD 1600/850 | 10925B |
| KMBD 1600/850 | 5879A |
| KMBD 1600/850 | 370044 |
| KMBD 1600 | 10925A |





KITS

SEAL KITS

SEAL KITS INCLUDE COUPLING ELEMENT, O-RINGS, GASKETS, SHAFT SEALS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|-----------------|-------------|
| D 2/4 A/AC | 19102B2 |
| D 9/16 A/AC | 19104B2 |
| D 9/16 A (BUNA) | 19104B2BU |



MAJOR SERVICE KITS

MAJOR SERVICE KITS INCLUDE COMPONENTS OF SEAL KITS PLUS VANES & OTHER COMPONENTS FOR MAJOR OVERHAULS. AC KITS INCLUDE GOLD PLATED EXHAUST VALVE PLATES.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| D 2 A | 10166KIT |
| S 4 A | 10161KIT |
| D 4 A | 10167KIT |
| S 8 A | 10162KIT |
| D 8 A | 10168KIT |
| D 16 A | 10169KIT |



SIGHT TUBE REPLACEMENT KITS

SIGHT TUBE REPLACEMENT KITS INCLUDE MOUNTING BOLTS, GASKETS, O-RINGS & GLASS TUBE.

| MODEL(S) | PART NUMBER |
|-----------------|-------------|
| D 2/4/9/16 A/AL | 72211003RK |

FEATURED SPARES

ROTORS

| MODEL(S) | PART NUMBER |
|-----------------------|-------------|
| D 16 A/AC (1ST STAGE) | 32166122 |



STATORS

| MODEL(S) | PART NUMBER |
|-----------------------|-------------|
| D 8 A/AC (1ST STAGE) | 23165121 |
| D 8 A/AC (2ND STAGE) | 23158124 |
| D 16 A/AC (1ST STAGE) | 23165122 |
| D 16 A/AC (2ND STAGE) | 23158124 |



PLATES

| MODEL(S) | PART NUMBER |
|-------------------|-------------|
| D 8/16 A (FRONT) | 30151137 |
| D 8/16 A (CENTER) | 26151131 |
| D 8/16 A (REAR) | 35155130 |



SHAFTS

| MODEL(S) | PART NUMBER |
|-----------|-------------|
| D 8 A/AC | 40157290 |
| D 16 A/AC | 40157292 |



VANES

| MODEL(S) | PART NUMBER |
|-----------------------------|-------------|
| D 2 A/AC (1ST, 2ND/6 QTY.) | 20010878 |
| D 4 A/AC (1ST/3 QTY.) | 20010879 |
| D 8 A/AC (1ST, 2ND /6 QTY.) | 20010882 |
| D 16 A/AC (1ST/3 QTY.) | 20010881 |
| D 16 A/AC (2ND/3 QTY.) | 20010882 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |



KITS

SEAL KITS

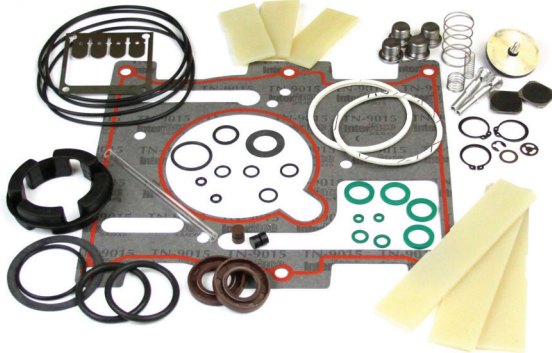
SEAL KITS INCLUDE COUPLING ELEMENT, O-RINGS, GASKETS, SHAFT SEALS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------------------------|-------------|
| S 30/60 A, D 30/60/90 A/AC | 19106B2 |

MAJOR SERVICE KITS

MAJOR SERVICE KITS INCLUDE ALL COMPONENTS OF SEAL KITS PLUS VANES & OTHER COMPONENTS FOR MAJOR OVERHAUL. AC KITS INCLUDE GOLD PLATED EXHAUST VALVE PLATES.

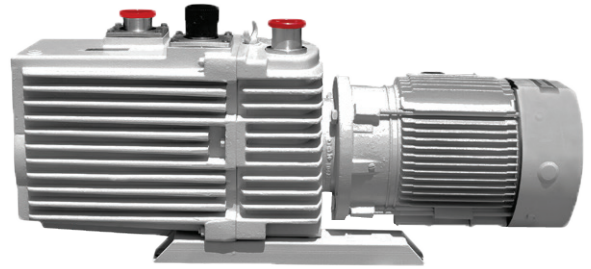
| MODEL(S) | PART NUMBER |
|-----------|-------------|
| S 30 A | 10164KIT |
| D 30 A | 10170KIT |
| S 60/90 A | 10165KIT |
| D 60/90 A | 10171KIT |



SIGHT GLASS TUBE REPLACEMENT KITS

SIGHT TUBE REPLACEMENT KITS INCLUDE MOUNTING BOLTS, GASKETS, O-RINGS & GLASS TUBE.

| MODEL(S) | PART NUMBER |
|--------------|-------------|
| D 30/60/90 A | 72211004RK |



FEATURED SPARES

ROTORS

| MODEL(S) | PART NUMBER |
|---------------------------|-------------|
| D 30 A/AC (1ST/2ND STAGE) | 32166119 |
| D 60/90 A/AC (1ST STAGE) | 32166120 |
| D 60/90 A/AC (2ND STAGE) | 32166119 |



STATORS

| MODEL(S) | PART NUMBER |
|-----------------------------|-------------|
| D 30 A/AC (1ST STAGE) | 23165118 |
| D 60/90 A/AC (1ST STAGE) | 23165107 |
| D 30/60/90 A/AC (2ND STAGE) | 23158122 |



PLATES

| MODEL(S) | PART NUMBER |
|--------------|-------------|
| ALL (FRONT) | 30151140 |
| ALL (CENTER) | 26151135 |
| ALL (REAR) | 35155132 |



SHAFTS

| MODEL(S) | PART NUMBER |
|--------------|-------------|
| D 30 A/AC | 40157294 |
| D 60/90 A/AC | 40157296 |



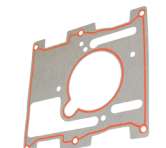
VANES

| MODEL(S) | PART NUMBER |
|----------------------------|-------------|
| S 30 A (1ST/3 QTY) | 20010846 |
| S 60 A (1ST/3 QTY) | 20010880 |
| D 30 A/AC (1ST/2NND/6 QTY) | 20010846 |
| D 60/90 A/AC (1ST/3 QTY) | 20010880 |
| D 60/90 A/AC (2ND/3 QTY) | 20010846 |



SHAFT SEALS

| MODEL(S) | PART NUMBER |
|-------------------|-------------|
| ALL (2 QTY REQ'D) | 23953110 |



CASE GASKETS

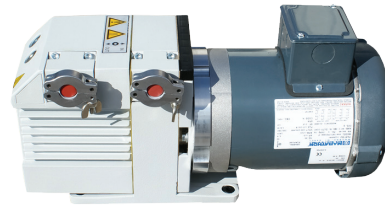
| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 23811142 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |





KITS

SEAL KITS

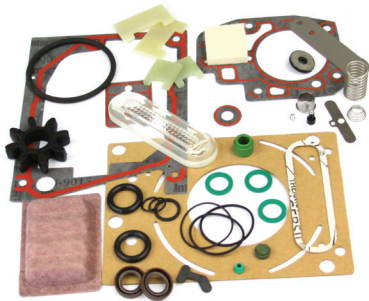
SEAL KITS INCLUDE COUPLING ELEMENT, O-RINGS, GASKETS, SHAFT SEALS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| D 1.6 B | 19118 |
| D 4 B | 19120B4 |
| D 8 B | 19120B8 |
| D 16 B | 19721B16 |
| D 16 BCS | 19131BCS16 |

MAJOR KITS

MAJOR KITS INCLUDE ALL COMPONENTS OF SEAL KITS PLUS VANES, GAS BALLAST VALVE & OTHER COMPONENTS FOR MAJOR OVERHAUL.

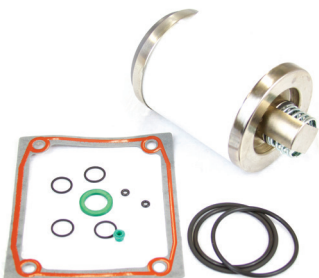
| MODEL(S) | PART NUMBER |
|----------|-------------|
| D 1.6 B | 19118D1KFR |
| D 4 B | 19120D4KIT |
| S 8 B | 19120S8KIT |
| D 8 B | 19120D8KIT |
| S 16 B | 19121S16KIT |
| D 16 B | 19121D16KIT |
| D 16 BCS | 19131D16KIT |



ARS/CFS/IGS REPAIR KITS

MAJOR KITS W/BLADES INCLUDE ALL COMPONENTS OF CLEAN OVERHAUL KITS & BLADE KITS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|---------------------------|-------------|
| D 16 BCS - ARS FILTER | 72024014 |
| D 16 BCS - CFS OIL FILTER | 72024012 |
| D 16 BCS - IGS INERT GAS | 72024016 |



FEATURED SPARES

ROTORS

| MODEL(S) | PART NUMBER |
|------------------------|-------------|
| D 4 B (1ST STAGE) | PL32166160 |
| D 8 B (1ST STAGE) | PL32166161 |
| D 4/8 B (2ND STAGE) | PL32166166 |
| D 16 B/BCS (1ST STAGE) | PL32166162 |
| D 16 B/BCS (2ND STAGE) | PL32166168 |



STATORS

| MODEL(S) | PART NUMBER |
|------------------------|-------------|
| D 4 B (1ST STAGE) | PL23192014 |
| D 8 B (1ST STAGE) | PL23192015 |
| D 4/8 B (2ND STAGE) | PL23192021 |
| D 16 B/BCS (1ST STAGE) | PL23192016 |
| D 16 B/BCS (2ND STAGE) | PL23192022 |



PLATES

| MODEL(S) | PART NUMBER |
|---------------------|-------------|
| D 4/8 B (FRONT) | 20009544 |
| D 4/8 B (CENTER) | PL26151137 |
| D 4/8 B (REAR) | PL35111010 |
| D 16 B/BCS (FRONT) | PL20040005 |
| D 16 B/BCS (CENTER) | PL26151138 |
| D 16 B/BCS (REAR) | PL35111011 |



VANES

| MODEL(S) | PART NUMBER |
|------------------------|-------------|
| D 1.8 B (1ST, 2ND STG) | 20009289FR |
| D 4 B (1ST, 2ND) | PL20039220 |
| S 8 B, D 8 B (1ST) | PL20010658 |
| D 8 B (2ND) | PL20039220 |
| S 16 B, D 16 B (1ST) | PL20010655 |
| D 16 B (2ND) | PL20010656 |



AF/ARS/CFS FILTERS & ELEMENTS

| MODEL(S) | PART NUMBER |
|---------------------------|-------------|
| D 4/8 B (AF/ARS ELMNT) | PL18971 |
| D 16 B/BCS (AF/ARS ELMNT) | P18972 |
| D 16 BCS (CFS ALUM 1.0L) | 18996 |
| D 16 BCS (CFS ALUM 1.3L) | P18999 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |



KITS

SEAL KITS

SEAL KITS INCLUDE COUPLING ELEMENT, O-RINGS, GASKETS, SHAFT SEALS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

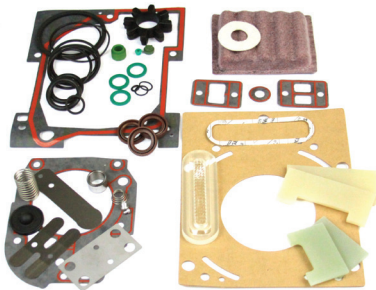
| MODEL(S) | PART NUMBER |
|-------------------|-------------|
| S 25 B, D 25 B | 19721B25 |
| D 25 BCS | 19131BCS25 |
| S 40 B, D 40/65 B | PL19722 |
| D 40/65 BCS | 19132 |



MAJOR KITS

MAJOR KITS INCLUDE ALL COMPONENTS OF SEAL KITS PLUS VANES & OTHER COMPONENTS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| S 25 B | 19121S25KIT |
| D 25 B | 19121D25KIT |
| D 25 BCS | 19131D25KIT |
| S 40 B | 19122S40KIT |
| D 40 B | 19122D40KIT |
| D 40 BCS | 19132D40KIT |
| S 65 B | 19122S65KIT |
| D 65 B | 19122D65KIT |
| D 65 BCS | 19132D65KIT |



ARS/CFS/IGS REPAIR KITS

| MODEL(S) | PART NUMBER |
|--------------------------------|-------------|
| D 25 BCS - ARS FILTER | 72024014 |
| D 25 BCS - CFS OIL FILTER | 72024012 |
| D 25/40/65 BCS - IGS INERT GAS | 72024016 |
| D 40-65 BCS - ARS FILTER | 72024015 |
| D 40-65 BCS - CFS OIL FILTER | 72024013 |



FEATURED SPARES

ROTORS

| MODEL(S) | PART NUMBER |
|------------------------|-------------|
| D 25 B/BCS (1ST STAGE) | PL32166163 |
| D 25 B/BCS (2ND STAGE) | PL32166169 |
| D 40 B/BCS (1ST STAGE) | PL32166164 |
| D 40 B/BCS (2ND STAGE) | PL32166170 |
| D 65 B/BC (1ST STAGE) | PL32166165 |
| D 65 B/BCS (2ND STAGE) | PL32166171 |



STATORS

| MODEL(S) | PART NUMBER |
|------------------------|-------------|
| D 25 B/BCS (1ST STAGE) | PL23192017 |
| D 25 B/BCS (2ND STAGE) | PL23192023 |
| D 40 B/BCS (1ST STAGE) | PL23192018 |
| D 40 B/BCS (2ND STAGE) | PL23192024 |
| D 65 B/BCS (1ST STAGE) | PL23192019 |
| D 65 B/BCS (2ND STAGE) | PL23192025 |



PLATES

| MODEL(S) | PART NUMBER |
|------------------------|-------------|
| D 25 B (FRONT) | PL20040005 |
| D 25 B (CENTER) | PL26151138 |
| D 25 B (REAR) | PL35111011 |
| D 40/65 B/BCS (FRONT) | PL30151147 |
| D 40/65 B/BCS (CENTER) | PL26151139 |
| D 40/65 B/BCS (REAR) | PL35111012 |



VANES

| MODEL(S) | PART NUMBER |
|-------------------------------|-------------|
| S 25 B, D 25B/BCS(1ST STAGE) | PL20010885 |
| D 25 B/BCS (2ND STAGE) | PL20010655 |
| S 40 B, D 40 B/BCS(1ST STAGE) | PL20010652 |
| D 40 B/BCS(2ND STAGE) | PL20010653 |
| S 65 B, D 65 B/BCS(1ST STAGE) | PL20010886 |
| D 65 B/BCS (2ND STAGE) | PL20010652 |



AF/ARS/CFS FILTERS & ELEMENTS

| MODEL(S) | PART NUMBER |
|-----------------------------------|-------------|
| D 25 B/BCS - AF/ARS ELMT | P18972 |
| D 40/65 B/BCS - AF/ARS ELMT | P18973 |
| D 25/40/65 BCS - CFS ALUM 1.0L | 18996 |
| D 25/40/65 BCS - CFS A./PART 1.3L | P18999 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |

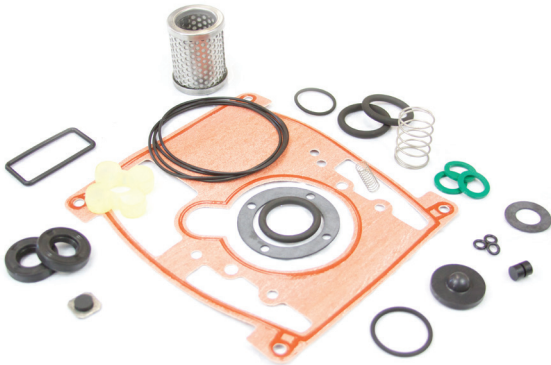


KITS

GASKET KITS

GASKET KITS INCLUDE COUPLING ELEMENT, O-RINGS, GASKETS, SHAFT SEALS, VALVE DISC & OTHER COMPONENTS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|--------------|-------------|
| D 8 C | 99710181 |
| D 16 C | 99710281 |
| D 30/40/60 C | 99710381 |



GAS BALLAST REBUILD KITS

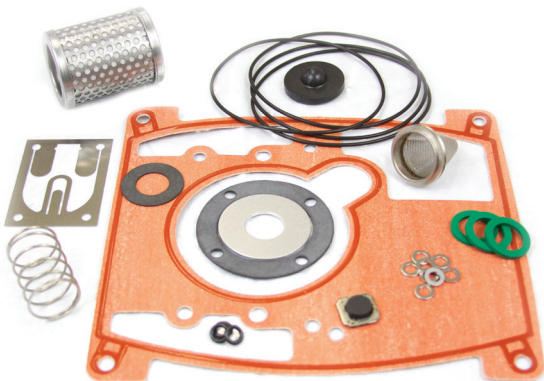
GAS BALLAST REBUILD KITS INCLUDE COMPONENTS REQUIRED FOR SERVICE OF GAS BALLAST ASSEMBLY INCLUDING CAP, STIFFENING DISK, GB COVER WASHER, VALVE PLATE ASSEMBLY & VARIOUS O-RINGS & GASKETS.

| MODEL(S) | PART NUMBER |
|--------------|-------------|
| D 8/16 C | 99710283 |
| D 30/40/60 C | 99710383 |

MAINTENANCE KITS

MAINTENANCE KITS INCLUDE COMPONENTS FOR TOP END MAINTENANCE OF PUMP INCLUDING CASE GASKET, VALVES, VALVE PLATE, DIRT TRAP & VARIOUS O-RINGS & GASKETS.

| MODEL(S) | PART NUMBER |
|--------------|-------------|
| D 8/16 C | 99710284 |
| D 30/40/60 C | 99710384 |



FEATURED SPARES

ROTORS

| MODEL(S) | PART NUMBER |
|------------------------|-------------|
| D 8 C (2ND STAGE) | 48121238NS |
| D 16 C (1ST STAGE) | 32166122 |
| D 16 C (2ND STAGE) | 48121239NS |
| D 30 C (1ST/2ND STAGE) | 32166119 |
| D 40/60 C (1ST STAGE) | 32166120 |
| D 40/60 C (2ND STAGE) | 32166119 |



STATORS

| MODEL(S) | PART NUMBER |
|--------------------------|-------------|
| D 8 C (1ST STAGE) | 23165121 |
| D 16 C (1ST STAGE) | 23165122 |
| D 8/16 C (2ND STAGE) | 23158124 |
| D 30 C (1ST STAGE) | 23165118 |
| D 40/60 C (1ST STAGE) | 23165107 |
| D 30/40/60 C (2ND STAGE) | 23158122 |



PLATES

| MODEL(S) | PART NUMBER |
|-----------------------|-------------|
| D 8/16 C (FRONT) | 30151137 |
| D 8/16 C (CENTER) | 26151131 |
| D 8/16 C (REAR) | 35155130 |
| D 30/40/60 C (FRONT) | 30151140 |
| D 30/40/60 C (CENTER) | 26151135 |
| D 30/40/60 C (REAR) | 35155132 |



SHAFTS

| MODEL(S) | PART NUMBER |
|-----------|-------------|
| D 8 C | 40157290 |
| D 16 C | 40157292 |
| D 30 C | 40157294 |
| D 40/60 C | 40157296 |



VANES

| MODEL(S) | PART NUMBER |
|-------------------------|-------------|
| D 8 C (1ST, 2ND/6 QTY) | 20010882 |
| D 16 C (1ST/3 QTY) | 20010881 |
| D 16 C (2ND/3 QTY) | 20010882 |
| D 30 C (1ST, 2ND/6 QTY) | 20010846 |
| D 40/60 C (1ST/3 QTY) | 20010880 |
| D 40/60 C (2ND/3 QTY) | 20010846 |



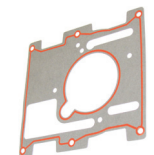
SHAFT SEALS

| MODEL(S) | PART NUMBER |
|----------------------|-------------|
| D 8/16 C (2 QTY) | 23953142 |
| D 30/40/60 C (2 QTY) | 23953110 |



CASE GASKETS

| MODEL(S) | PART NUMBER |
|--------------|-------------|
| D 8/16 C | 20039988 |
| D 30/40/60 C | 23811142 |

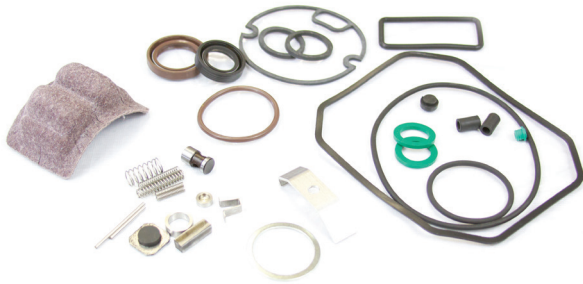


KITS

MINOR KITS

MINOR KITS INCLUDE GASKETS, DEMISTER FILTERS, SPRINGS, O-RINGS, SEALS, VANES, SPACERS & SLEEVES FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|------------------|----------------|
| D 1.2 E | 20040025MINOR |
| D 2.5 E | 20040026MINOR |
| D 2.5 E 2 SERIES | 100000347MINOR |
| D 5 E | 20040038MINOR |
| D 5 E 2 SERIES | 100000348MINOR |
| D 10 E | 20040039MINOR |
| D 10 E 2 SERIES | 100000349MINOR |
| D 16 E | 20040040MINOR |



MAJOR SERVICE KITS

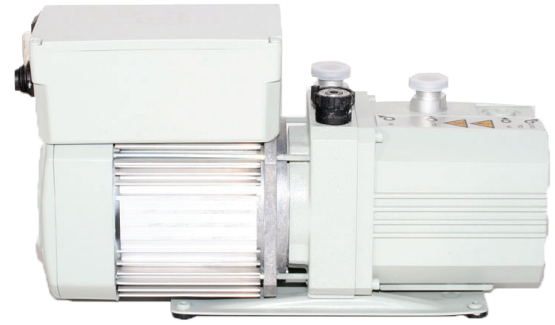
MAJOR SERVICE KITS INCLUDE VANES, HARDWARE, GASKETS, DEMISTER FILTERS, SPRINGS, O-RINGS, SEALS, VALVES, SPACERS & OTHER COMPONENTS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------------------------------|--------------|
| <i>OEM EQUIVALENT W/OIL PUMP</i> | |
| D 1.2 E | 20040025KIT |
| D 2.5 E | 20040026KIT |
| D 2.5 E 2 SERIES* | 100000347KIT |
| D 5 E | 20040038KIT |
| D 5 E 2 SERIES* | 100000348KIT |
| D 10 E | 20040039KIT |
| D 10 E 2 SERIES* | 100000349KIT |
| D 16 E | 20040040KIT |

*2 SERIES KITS CONTAIN OIL PUMP ROTOR WITH TWO BEARING SURFACES.

OIL PUMP NOT INCLUDED

| | |
|------------------|----------------|
| D 1.2 E | 20040025KITNR |
| D 2.5 E | 20040026KITNR |
| D 2.5 E 2 SERIES | 100000347KITNR |
| D 5 E | 20040038KITNR |
| D 5 E 2 SERIES | 100000348KITNR |
| D 10 E | 20040039KITNR |
| D 10 E 2 SERIES | 100000349KITNR |
| D 16 E | 20040040KITNR |



FEATURED SPARES

VANES

| MODEL(S) | PART NUMBER |
|-----------------------------|-------------|
| D 1.2 E (1ST, GX/2 QTY) | 230046G |
| D 2.5 E (1ST, GX/2 QTY) | 230048G |
| D 1.2/2.5 E (2ND, GX/2 QTY) | 230047G |
| D 5 E (1ST, GX/2 QTY) | 230049G |
| D 10 E (1ST, GX/2 QTY) | 230051G |
| D 16 E (1ST, GX/2 QTY) | 230052G |
| D 5/10/16 E (2ND, GX/2 QTY) | 230050G |



DEMISTER FILTERS

| MODEL(S) | PART NUMBER |
|-------------|-------------|
| D 1.2/2.5 E | 720010 |
| D 5/10/16 E | 720011 |



OIL PUMP ROTORS

| MODEL(S) | PART NUMBER |
|------------------|-------------|
| D 1.2/2.5 E | 200090 |
| D 2.5 E 2 SERIES | 200115 |
| D 5/10 E | 200091 |
| D 16 E | 200092 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |



KITS

SEAL KITS

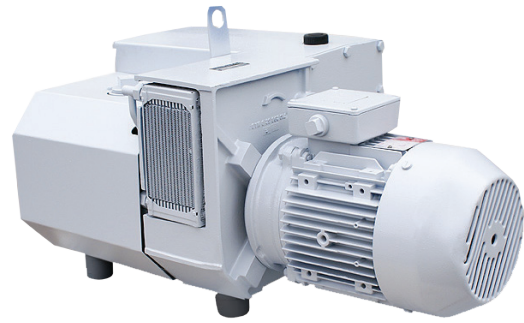
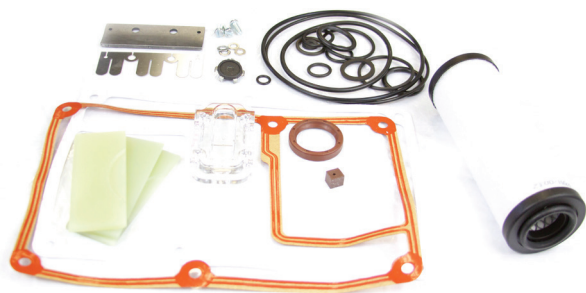
SEAL KITS INCLUDE GASKETS, O-RINGS & SHAFT SEALS FOR LIGHT OVERHAUL. BUNA & VITON VERSIONS AVAILABLE.

| MODEL(S) | PART NUMBER |
|------------------------|-------------|
| BUNA SEAL KITS | |
| SV 16/25 | 97197152 |
| SV 40/65 | 97197252 |
| SV 100 | 97197452 |
| SV 200 | 97197552 |
| VITON SEAL KITS | |
| SV 16/25 | 71230010 |
| SV 40/65 | 71403490 |
| SV 100 | 71403500 |
| SV 200 | 71401990 |

MAJOR KITS

MAJOR KITS INCLUDE ALL COMPONENTS OF SEAL KITS, OIL & EXHAUST FILTERS, VANE KIT, COUPLING, VALVE PLATE(S) & BEARINGS AS REQUIRED FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| SV 16/25 | 71241270 |
| SV 40 | 71403540 |
| SV 65 | 71403550 |
| SV 100 | 71403560 |
| SV 180 | 71403580 |
| SV 200 | 71436190 |



FEATURED SPARES

EXHAUST FILTERS

| MODEL(S) | #REQ | PART NUMBER |
|------------|------|-------------|
| SV 16/25 | 1 | 71232023 |
| SV 40/65 | 1 | 71064763 |
| SV 100/180 | 2 | 71064763 |
| SV 200 | 4 | 71064763 |



OIL FILTERS

| MODEL(S) | #REQ | PART NUMBER |
|------------|------|-------------|
| SV 40/65 | 1 | 71212718 |
| SV 100 | 1 | 71213158 |
| SV 180/200 | 1 | 71018858 |



VANE KITS

SET OF 3 VANES.

| MODEL(S) | PART NUMBER |
|------------|-------------|
| SV 16/25 | 71234370 |
| SV 40 | 71401060 |
| SV 65 | 71401070 |
| SV 100 | 71234170 |
| SV 180/200 | 71412000 |

RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 70 (1L/1.06QT) GENERAL PURPOSE OIL | PP70001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |



KITS

SEAL KITS

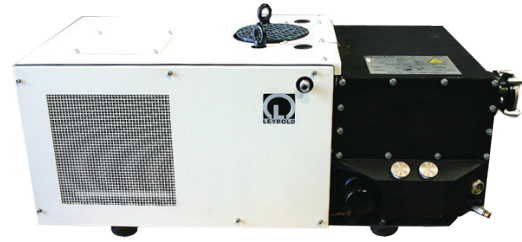
SEAL KITS INCLUDE GASKETS, O-RINGS & SHAFT SEALS FOR LIGHT OVERHAUL. BUNA & VITON VERSIONS AVAILABLE.

| MODEL(S) | PART NUMBER |
|------------------------|-------------|
| BUNA SEAL KITS | |
| SV 280 | 97196641 |
| SV 300 | 97197652 |
| SV 500/630/750 | 97197701 |
| SV 1200 | 97196681 |
| VITON SEAL KITS | |
| SV 300 | 71402000 |
| SV 500/630/750 | 71405380 |
| SV 1200 | 71236060 |

MAJOR REPAIR KITS

MAJOR KITS INCLUDE ALL COMPONENTS OF SEAL KITS, OIL & EXHAUST FILTERS, VANE KIT, COUPLING OR DRIVE BELT (AS REQUIRED), VALVE PLATE(S) & BEARINGS (AS REQUIRED) FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|------------------|-------------|
| SV 280 | 71403581 |
| SV 300 | 71436200 |
| SV 500 | 71419360 |
| SV 630, SV 630 F | 71405390 |
| SV 750 | 71418560 |
| SV 1200 | 71234800 |



FEATURED SPARES

EXHAUST FILTERS

| MODEL(S) | #REQ | PART NUMBER |
|--------------------|------|-------------|
| SV 280/300 | 4 | 71064773 |
| SV 500 | 8 | 71064773 |
| SV 630/750, SV630F | 10 | 71064773 |
| SV 1200 | 14 | 71064773 |



OIL FILTERS

| MODEL(S) | #REQ | PART NUMBER |
|----------------|------|-------------|
| SV 280/300 | 1 | 71018858 |
| SV 500/630/750 | 1 | 71405318 |
| SV 630 F | 1 | 71405318 |
| SV 1200 | 1 | 71214598 |



VANE KITS

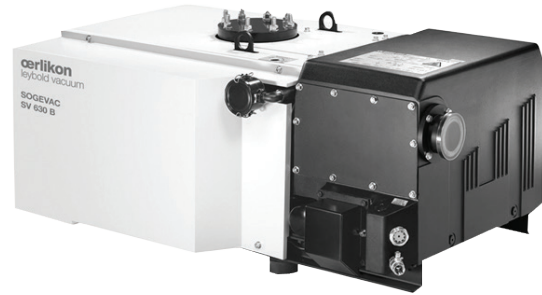
SET OF 3 VANES.

| MODEL(S) | PART NUMBER |
|------------------|-------------|
| SV 280/300 | 71412010 |
| SV 500 | 71412020 |
| SV 630, SV 630 F | 71412020 |
| SV 750 | 71412020 |
| SV 1200 | 71214310 |

RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 70 (1L/1.06QT) GENERAL PURPOSE OIL | PP70001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |





KITS

SEAL & GASKET KITS

SEAL & GASKETS KITS INCLUDE GASKETS, O-RINGS, & SHAFT SEALS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|---------------------------|-------------|
| SV 10/16 B | 71422220 |
| SV 25 B | 71419490 |
| SV 40 B | 971427640 |
| SV 65 B | 71420410 |
| SV 100/120 B | 971427670 |
| SV 300 B | 971464950 |
| SV 500 B, SV 630/750 B/BF | 971437310 |

FILTER SERVICE KITS

FILTER SERVICE KITS INCLUDE EXHAUST FILTERS, EXHAUST FLANGE GASKET & O-RINGS.

| MODEL(S) | PART NUMBER |
|---------------------------|-------------|
| SV 10/16 B | 971444430 |
| SV 25 B | 971423450 |
| SV 40 B | 971427660 |
| SV 65 B | 971423440 |
| SV 100/120 B | 971427690 |
| SV 300 B | 971464970 |
| SV 500 B, SV 630/750 B/BF | 971437340 |

MAJOR REPAIR KITS

MAJOR REPAIR KITS INCLUDE ALL COMPONENTS OF SEAL & GASKET KITS AND VANE KITS PLUS FILTERS, VALVE PLATES & OTHER COMPONENTS AS REQUIRED FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|---------------------------|-------------|
| SV 10/16 B | 71422230 |
| SV 25 B | 971423100 |
| SV 40 B | 971427650 |
| SV 65 B | 71420420 |
| SV 100 B | 971427680 |
| SV 120 B | 971427685 |
| SV 300 B | 971464960 |
| SV 500 B, SV 630/750 B/BF | 971437320 |

FEATURED SPARES

EXHAUST FILTERS

| MODEL(S) | #REQ | PART NUMBER |
|-----------------|------|-------------|
| SV 10/16 B | 1 | 71413280 |
| SV 25 B | 1 | 71416340 |
| SV 40 B | 1 | 71421180 |
| SV 65 B | 1 | 71417300 |
| SV 100/120 B | 2 | 71417300 |
| SV 300 B | 3 | 971431120 |
| SV 500 B | 8 | 971431120 |
| SV 630/750 B/BF | 8 | 971431120 |



OIL FILTERS

| MODEL(S) | PART NUMBER |
|---------------------------|-------------|
| SV 40/65 B | 71420980 |
| SV 100/120 B | 71213150 |
| SV 300 B | 71018850 |
| SV 500 B, SV 630/750 B/BF | 71405318 |



VANE KITS

SET OF 3 VANES.

| MODEL(S) | PART NUMBER |
|---------------------------|-------------|
| SV 10/16 B | 71413150 |
| SV 25 B | 71416290 |
| SV 40 B | 71420810 |
| SV 65 B | 71416750 |
| SV 100 B | 71418750 |
| SV 120 B | 971445150 |
| SV 300 B | 971446880 |
| SV 500 B, SV 630/750 B/BF | 971424540 |

RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 70 (1L/1.06QT) GENERAL PURPOSE OIL | PP70001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |



KITS

SEAL KITS

SEAL KITS INCLUDE GASKETS, O-RINGS & SHAFT SEALS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------------------------|-------------|
| SV28 BI | 971462670 |
| SV40 BI | 971427640 |
| SV40 BI FC (PTFE SEALS) | 971472980 |
| SV40 BI FC (W/VITON SEALS) | 971472980V |
| SV65 BI FC (PTFE SEALS) | 971472890 |
| SV65 BI FC (W/VITON SEALS) | 971472890V |

MAJOR REPAIR KITS

MAJOR KITS INCLUDE ALL COMPONENTS OF SEAL KITS, FILTERS, VANE KIT, VALVE PLATE(S), SLEEVES AND BEARINGS AS REQUIRED. PTFE AND VITON KITS AVAILABLE.

| MODEL(S) | PART NUMBER |
|----------------------------|-------------|
| SV28 BI | 971462690 |
| SV40 BI | 971443150 |
| SV40 BI FC (PTFE SEALS) | 971472990 |
| SV40 BI FC (W/VITON SEALS) | 971472990V |
| SV65 BI FC (PTFE SEALS) | 971472900 |
| SV65 BI FC (W/VITON SEALS) | 971472900V |



VANE KITS (3 VANES PER KIT)

| MODEL(S) | PART NUMBER |
|------------|-------------|
| SV28 BI | 971447220 |
| SV40 BI | 971429680 |
| SV40 BI FC | 71420810 |
| SV65 BI FC | 971472820 |



FEATURED SPARES

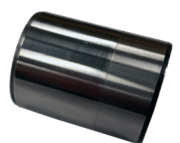
FILTERS

| MODEL(S) | #REQ | PART NUMBER |
|------------|------|-------------|
| SV28 BI | 1 | 71416340 |
| SV40 BI | 1 | 71421180 |
| SV40 BI FC | 1 | 71421180 |
| SV65 BI FC | 1 | 71417300 |



SLEEVES

| MODEL(S) | PART NUMBER |
|-----------------------------|-------------|
| SV40 BI/ BI FC (30X35X17) | 71420790 |
| SV40 BI/ BI FC (32X37X20) | 971424900 |
| SV40 BI/ BI FC (20X25X38.5) | 71421170 |
| SV65 BI FC (35X40X20.5) | 250023 |
| SV65 BI FC (35X42X20.5) | 250022 |
| SV65 BI FC (35X42X10) | 250021 |
| SV65 BI FC (20x30x38.5) | 71416860 |



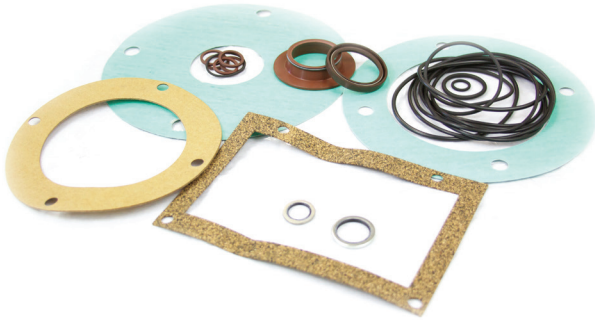


KITS

GASKET KITS

GASKET KITS INCLUDE ALL COMPONENTS OF SIGHT GLASS KITS PLUS MOTOR & EXHAUST GASKETS.

| MODEL(S) | PART NUMBER |
|---------------|-------------|
| E 75 | 19243 |
| E 150, DK 100 | 19253 |
| E 250, DK 200 | 19263 |



SIGHT GLASS KITS

SIGHT GLASS KITS INCLUDE SIGHT GLASS & GASKETS.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 20011KIT |



FEATURED SPARES

GASKETS

| MODEL(S) | | PART NUMBER |
|---------------|-----------|-------------|
| E 75 | (MOTOR) | 991819275 |
| E 75 | (EXHAUST) | 61400534 |
| E 150, DK 100 | (EX. BOX) | 61300908 |
| D 250, DK 200 | (EX. BOX) | 61300615 |



PISTON BUSHINGS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| E 75 | 27027120 |
| ALL | 27027211 |
| ALL | 20066099 |



BEARINGS

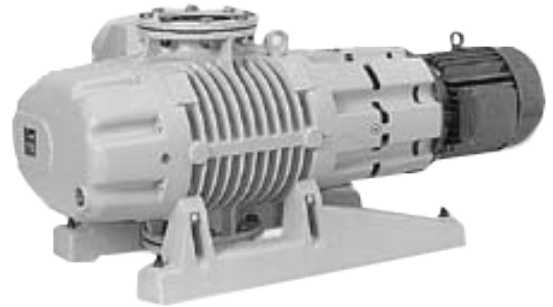
| MODEL(S) | PART NUMBER |
|---------------|-------------|
| E 250, DK 200 | 26101110 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 77 (4L/4.23QT) GENERAL PURPOSE OIL | PP77004 |





KIT COMPONENTS

SEAL & GASKET KITS

SEAL & GASKET KITS INCLUDE O-RINGS, SHAFT SEALS, GASKETS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|-------------------------|-------------|
| WA 150/250 | 19366A |
| WA 150/250 (TEFLON) | P29366A |
| WA 500 | 19371A |
| WA 1000 | 19376A |
| WA 2000 | 19381A |
| WA/WAU 151/251 | 19460 |
| WA/WAU 151/251 (TEFLON) | P29460 |
| WA/WAU 501 | 19464 |
| WA/WAU 1001 | 19468 |
| WA/1001 (TEFLON) | 29468 |
| WA/WAU 2001 | 19472 |
| WAU 150/250 | 19366AU |
| WAU 150/250 (TEFLON) | P29366AU |
| WAU 500 | 19371AU |
| WAU 500 | 29371AU |
| WAU 1000 | 19376AU |
| WAU 2000 | 19381AU |



FEATURED SPARES

BEARINGS

| MODEL(S) | PART NUMBER |
|---------------|-------------|
| WAU 150/250 | P26101171 |
| WAU 150/250 | P26101301 |
| WAU 500 | 20013093 |
| WAU 1000/1001 | 26101175 |



COMPRESSION RINGS

| MODEL(S) | PART NUMBER |
|----------------|-------------|
| WA/WAU 150/250 | 62702426 |
| WA/WAU 500 | 62703426 |
| WA/WAU 1000 | 62704426 |
| WA/WAU 2000 | 62705426 |



PISTON RINGS

| MODEL(S) | PART NUMBER |
|----------------|-------------|
| WA/WAU 150/151 | 23179256 |
| WA/WAU 500/501 | 23179259 |



COUPLING ELEMENTS

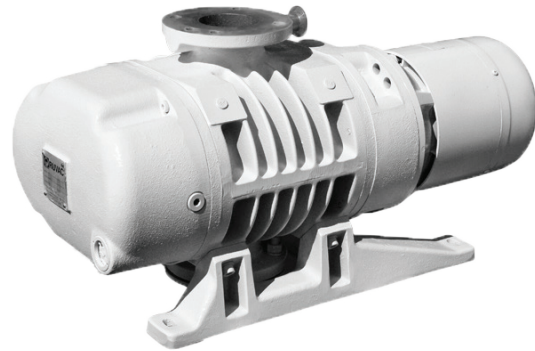
| MODEL(S) | PART NUMBER |
|--------------------------|-------------|
| WA/WAU 150/151/250/251 | 70100197 |
| WA/WAU 500/501/1000/1001 | 70100198 |
| WA/WAU 2000/2001 | 70100198 |



SHAFT SEALS

| MODEL(S) | PART NUMBER |
|------------------------------|-------------|
| WA/WAU 150-501 | 72027012 |
| WA/WAU 150-501 | 20013031 |
| WA/WAU 151/251/501/1001/2001 | 23002110 |
| WA/WAU 151/251/501/1001/2001 | 20013486 |
| WA/WAU 1000/2000 | 20013455 |
| WA/WAU 1000/1001/2000/2001 | 72027019 |





KITS

SEAL & GASKET KITS

SEAL & GASKET KITS INCLUDE O-RINGS, SHAFT SEALS, GASKETS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------------|-------------|
| WS 150/250 | 19366S |
| WS 500 | 19371S |
| WS 1000 | 19376S |
| WS 2000 | 19381S |
| WS/WSU 151/251 | P19462 |
| WS/WSU 501 | P19466 |
| WS/WSU 1001 | 19470 |
| WS/WSU 2001 | 19474 |
| WSU 150/250 | P19366SU |
| WSU 500 | 19371SU |
| WSU 1000 | 19376SU |
| WSU 2000 | 19381SU |



FEATURED SPARES

BEARINGS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| WS 501 | 20013403 |



COMPRESSION RINGS

| MODEL(S) | PART NUMBER |
|----------------|-------------|
| WS/WSU 150/250 | 62702426 |
| WS/WSU 500 | 62703426 |
| WS/WSU 1000 | 62704426 |
| WS/WSU 2000 | 62705426 |



PISTON RINGS

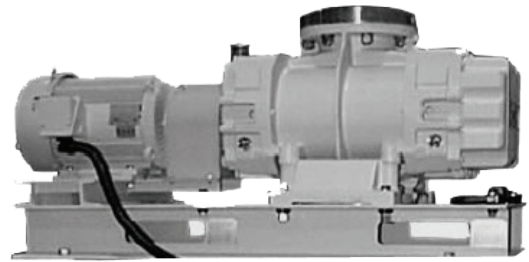
| MODEL(S) | PART NUMBER |
|----------------|-------------|
| WS/WSU 150/151 | 23179256 |
| WS/WSU 1001 | 23153217 |



GASKETS

| MODEL(S) | PART NUMBER |
|--------------------------|-------------|
| WS 151/251/501/1001/2001 | 23880504 |
| WS/WSU 501/2001 | 23955162 |
| WS/WSU 151/251/501 | P23955165 |





KITS

FRONT END SEAL KITS

FRONT END SEAL KITS INCLUDE O-RINGS, SHAFT SEALS, SLEEVES & COUPLINGS.

| MODEL(S) | PART NUMBER |
|-------------------------|-------------|
| RA 3001 | RA3001F |
| RA 5001, RA 3001 S | RA5001F |
| RA 7001 | RA7001F |
| RA 9001, RA 5001/7001 S | RA9001F |

COMPLETE SEAL KITS

COMPLETE SEAL KITS INCLUDE ALL COMPONENTS OF FRONT END SEAL KITS PLUS ADDITIONAL O-RINGS.

| MODEL(S) | PART NUMBER |
|-------------------------|-------------|
| RA 3001 | RA3001S |
| RA 5001, RA 3001 S | RA5001S |
| RA 7001 | RA7001S |
| RA 9001, RA 5001/7001 S | RA9001S |



MAJOR REBUILD KITS

MAJOR REBUILD KITS INCLUDE ALL COMPONENTS OF SEAL KITS PLUS PISTON RINGS, SLEEVES & BEARINGS .

| MODEL(S) | PART NUMBER |
|-------------------------|-------------|
| RA 3001 | RA3001M |
| RA 5001, RA 3001 S | RA5001M |
| RA 7001 | RA7001M |
| RA 9001, RA 5001/7001 S | RA9001M |



FEATURED SPARES

BEARINGS

| MODEL(S) | PART NUMBER |
|--------------------|--------------------|
| RA 3001 | (SET OF 4) RA3001B |
| RA 5001, RA 3001 S | (SET OF 4) RA5001B |
| RA 7001 | (SET OF 4) RA7001B |
| RA 5001/9001 | (SET OF 6) RA9001B |
| RA 7001 S | (SET OF 6) RA9001B |



PISTON RINGS

| MODEL(S) | PART NUMBER |
|----------------|----------------------|
| RA 3001 | (SET OF 16) 70120242 |
| RA 5001/7001 | (SET OF 16) 70120243 |
| RA 3001 S | (SET OF 16) 70120243 |
| RA 9001 | (SET OF 16) 70120241 |
| RA 5001/7001 S | (SET OF 16) 70120241 |



SLEEVES

| MODEL(S) | PART NUMBER |
|-------------------------|-------------|
| RA 3001 | 70120251 |
| RA 5001/7001, RA 3001 S | 70120252 |
| RA 9001, RA 5001/7001 S | 701202502 |





KITS

MAJOR REBUILD KITS

MAJOR REBUILD KITS INCLUDE TIP SEALS, CRANK PINS, BEARINGS, O-RINGS, SHAFT SEALS & OTHER COMPONENTS FOR MAJOR OVERHAUL.

MODEL(S)

SC 5 D
SC 15 D
SC 30 D

PART NUMBER

98882590
P71005800
P71004800



FEATURED SPARES

SHAFTS

MODEL(S)

SC 15 D
SC 30 D

PART NUMBER

71002012
71003012



TIP SEAL KITS

MODEL(S)

SC 5 D
SC 15 D
SC 30 D

PART NUMBER

98885570
P71002026
P71004026



CRANK PIN KITS

MODEL(S)

SC 5 D
SC 15 D
SC 30 D

PART NUMBER

98883580
71002006
71004006



KITS

MAINTENANCE KITS

MAINTENANCE KITS INCLUDE SIGHT GLASS GASKET, O-RINGS, & SHAFT SEALS FOR MINOR PUMP MAINTENANCE.

MODEL(S)
DUO 1.6, 3

PART NUMBER
PKE01040T



MAJOR OVERHAUL KITS

MAJOR OVERHAUL KITS INCLUDE ALL COMPONENTS OF SEALS KITS PLUS LEAK NOZZELS, HYDROLIC PISTONS, SIGHT GLASSES, VALVES AND VANES FOR PUMP OVERHAUL.

MODEL(S)
DUO 1.6/3
UNO 6

PART NUMBER
PKE02070T
PKE02060AT



FEATURED SPARES

VANES

| MODEL(S) | # REQ. | PART NUMBER |
|----------|--------|-------------|
| ALL | 4 | 230063 |
| ALL | 1 | 230077 |



SHAFT SEALS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 310061 |



SIGHT GLASSES

| MODEL(S) | PART NUMBER |
|-----------|-------------|
| DUO 1.6/3 | 550046 |



COUPLING HALF W/TEETH

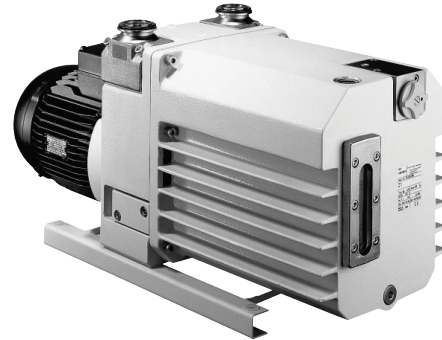
| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 360075 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (20L/5.28GAL) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (20L/5.28GAL) | PPFF001 |



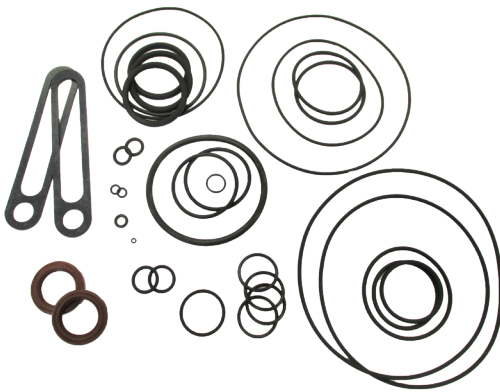


KITS

SEAL KITS

SEAL KITS INCLUDE SIGHT GLASS GASKET, O-RINGS, & SHAFT SEALS FOR MINOR MAINTENANCE.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | PKE20001T |



OVERHAUL KITS

OVERHAUL KITS INCLUDE ALL COMPONENTS OF SEALS KITS PLUS SIGHT GLASSES, SPRINGS, VALVES, VANES & OTHER COMPONENTS FOR PUMP OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| UNO 35 | PKE22001T |
| UNO 65 | PKE22003T |
| DUO 35 | PKE22005T |
| DUO 65 | PKE22011T |
| DUO 35 M | PKE22010T |
| DUO 65 M | PKE22012T |



FEATURED SPARES

VANES

| MODEL(S) | PART NUMBER |
|------------------------------------|-------------|
| UNO/DUO 35, DUO 35 M (1ST STAGE) | 230073 |
| UNO/DUO 65, DUO 65 M (1ST STAGE) | 230071 |
| DUO 35/65, DUO 35/65 M (2ND STAGE) | 230072 |



SHAFT SEALS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 310104 |



KITS

SEAL KITS

SEAL KITS INCLUDE GASKETS, O-RINGS, & COUPLINGS FOR MINOR PUMP MAINTENANCE.

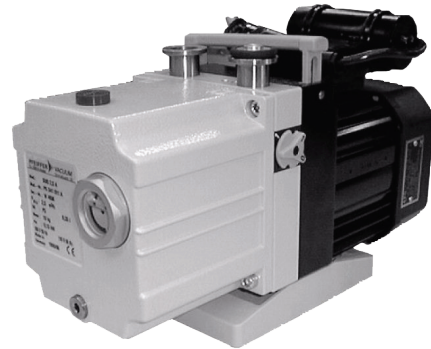
| MODEL(S) | PART NUMBER |
|------------------|-------------|
| DUO 2.5 | PKE00002T |
| DUO 2.5 C | PKE00020T |
| DUO 5, DUO 5 C | PKE30005T |
| DUO 10, DUO 10 C | PKE30001T |
| DUO 20, DUO 20 C | PKE30008T |



MAJOR OVERHAUL KITS

MAJOR OVERHAUL KITS INCLUDE ALL COMPONENTS OF SEALS KITS PLUS LEAK NOZZLES, HYDRAULIC PISTONS, SIGHT GLASSES, SPRINGS, VALVES & VANES FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|-----------|-------------|
| DUO 2.5 | PKE02008T |
| DUO 2.5 C | PKE02030T |
| DUO 5 | PKE32008T |
| DUO 5 C | PKE32006T |
| DUO 10 | PKE32001T |
| DUO 10 C | PKE32004T |
| DUO 20 | PKE32011T |
| DUO 20 C | PKE32013T |



FEATURED SPARES

SHAFT SEALS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 310061 |



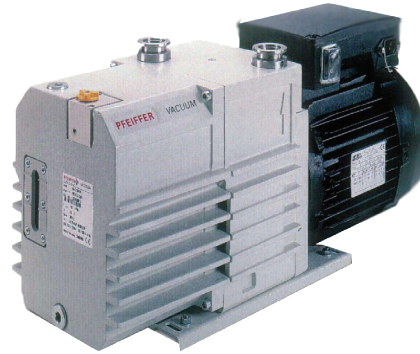
SIGHT GLASSES

| MODEL(S) | PART NUMBER |
|-------------------|-------------|
| DUO 2.5, DUO 2.5C | 500015 |
| DUO 5/10/20 C | 550046 |

RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (20L/5.28GAL) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) | PPGOLD001 |
| FULLY SYNTHETIC OIL | |
| PLUS FF (20L/5.28GAL) FLUSHING FLUID | PPFF001 |





KITS

VANE KITS

UNO & DUO 1.5 A VANE KITS INCLUDE VANES, LEAK NOZZLE, SPRING & WASHER.

| MODEL(S) | PART NUMBER |
|-----------|-------------|
| UNO 1.5 A | 080030IT |
| DUO 1.5 A | 080130IT |

| MODEL(S) | PART NUMBER |
|---|-------------|
| UNO 004 A VANE KITS CONTAIN VANES ONLY. | |
| UNO 004 A | 080430IT |

| MODEL(S) | PART NUMBER |
|---|-------------|
| DUO 004 A VANE KITS CONTAIN VANES & THRUST PLATE. | |
| DUO 004 A | 080530IT |

| MODEL(S) | PART NUMBER |
|---|-------------|
| DUO 30 A VANE KITS CONTAIN VANES, COUPLING WASHER & CENTERING RING. | |
| DUO 30 A | PKE081130T |

SEAL KITS

SEAL KITS INCLUDE COUPLING, SIGHT GLASS GASKET & O-RINGS.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| UNO 30 M | PKE30006T |

REPAIR KITS

UNO/DUO 1.5 A REPAIR KITS INCLUDE SIGHT GLASS, OIL BOX GASKET, SHAFT SEAL, VALVE PLATE, FLAP VALVE, CENTERING RING, VANE SPRINGS, LOCKING CAPS & O-RINGS.

| MODEL(S) | PART NUMBER |
|---------------|-------------|
| UNO/DUO 1.5 A | 080010 |

UNO/DUO 004/008/012 A REPAIR KITS INCLUDE SIGHT GLASS, PIL BOX GASKET, SHAFT SEAL, SUPPORT RINGS, VANE SPRINGS, ROTOR KEY, O-RINGS & WASHERS.

| MODEL(S) | PART NUMBER |
|-----------------------|-------------|
| UNO/DUO 004/008/012 A | 080410 |

UNO 30 M REPAIR KITS INCLUDE ALL COMPONENTS OF SEAL KITS PLUS VANE SPRINGS, SIGHT GLASS, PRESSURE VALVE, HYDRAULIC PISTON & OTHER COMPONENTS NEEDED FOR ROUTINE PUMP MAINTENANCE.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| UNO 30 M | PKE32009T |



FEATURED SPARES

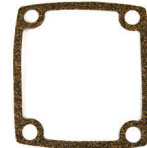
SHAFT SEALS

| MODEL(S) | PART NUMBER |
|-----------------------|-------------|
| UNO/DUO 1.5 A | 4083174 |
| UNO/DUO 004/008/012 A | 4083269 |



CASE GASKETS

| MODEL(S) | PART NUMBER |
|--------------------------|-------------|
| UNO/DUO 1.5 A (CORK) | 192124 |
| UNO/DUO 004-012 A (CORK) | 210136 |



SIGHT GLASSES

| MODEL(S) | PART NUMBER |
|-------------------|-------------|
| UNO/DUO 1.5A | 192127 |
| UNO/DUO 004-012 A | 192127 |
| UNO 30 M | 550046 |

RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (20L/5.28GAL) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) | PPGOLD001 |
| FULLY SYNTHETIC OIL | |
| PLUS FF (20L/5.28GAL) FLUSHING FLUID | PPFF001 |

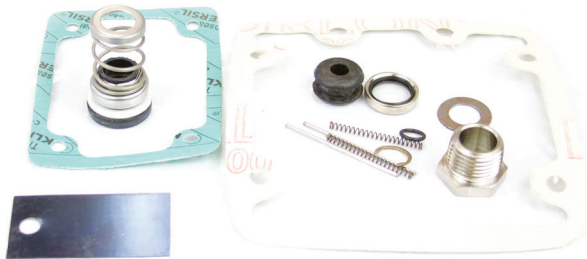


KITS

MINOR KITS

MINOR KITS INCLUDE O-RINGS, GASKETS, VALVES, WASHERS, SHAFT SEALS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

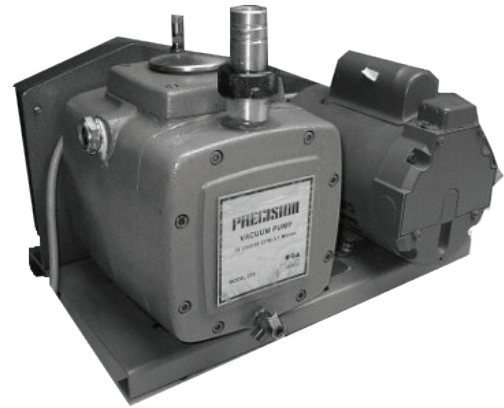
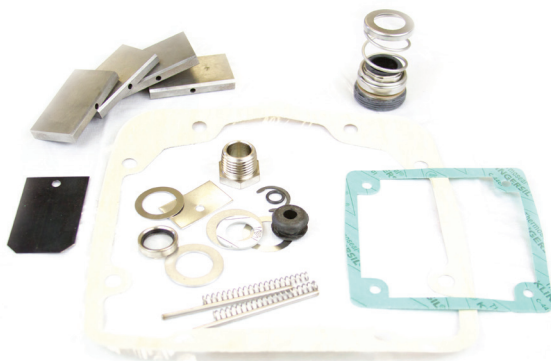
| MODEL(S) | PART NUMBER |
|----------|-------------|
| D 25 | D25A |
| D 75 | D75A |
| D 150 | D150A |



MAJOR KITS

MAJOR KITS INCLUDE ALL COMPONENTS OF MINOR KITS PLUS VANES, SPRINGS & SIGHT GLASS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|------------------------|-------------|
| D 25 (GX VANE) | D25BIT |
| D 25 (CAST IRON VANE) | D25B |
| D 75 (GX VANE) | D75BIT |
| D 75 (CAST IRON VANE) | D75B |
| D 150 (GX VANE) | D150BIT |
| D 150 (CAST IRON VANE) | D150B |



FEATURED SPARES

VANES

| MODEL(S) | PART NUMBER |
|----------------------|-------------|
| D 25 (GX / 4) | 535797G |
| D 25 (CAST IRON / 4) | 535797 |
| D 75 (GX / 4) | 525418G |
| D 75 (CAST IRON / 4) | 525418 |
| D 150 (GX / 4) | 525471G |
| D 150 (CAST IRON 4) | 525471 |



SHAFT SEALS (MECHANICAL)

| MODEL(S) | PART NUMBER |
|----------|-------------|
| D 25 | 342005 |
| D 75 | 342003 |
| D 150 | 342004 |



GASKETS

| MODEL(S) | PART NUMBER |
|------------------|-------------|
| D 25 (COVER) | 525682 |
| D 75/150 (COVER) | 525433 |
| D 25 | 525694 |
| D 75 | 525432 |
| D 150 | 525473 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|---|-------------|
| PLUS DUO (1L/1.06QT) GENERAL PURPOSE OIL (EQU. TO DUOSEAL) | PPD001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |



THE FOLLOWING PRECISION SCIENTIFIC PUMP MODELS CROSS REFERENCE TO ALCATEL PUMP MODELS. PLEASE SEE ALCATEL SECTION FOR KIT AND PART OFFERINGS.



THE FOLLOWING PRECISION SCIENTIFIC PUMP MODELS CROSS REFERENCE TO ALCATEL PUMP MODELS. PLEASE SEE ALCATEL SECTION FOR KIT AND PART OFFERINGS.

| PRECISION SCIENTIFIC MODELS | ALCATEL MODELS |
|-----------------------------|----------------|
| P/PX-40 | 2002SD |
| DD-90 | 2004A |
| P/PX-100 | 2005SD |
| DD-195 | 2008A |
| DD-200 | 2010 |
| P/PX-200 | 2010SD |
| DD-310 | 2012A |
| DD-300 | 2015 |
| P/PX-300 | 2015SD |
| DD-475 | 2020A |
| DD-400 | 2021 |
| P/PX-420 | 2021SD |

| PRECISION SCIENTIFIC MODELS | ALCATEL MODELS |
|-----------------------------|----------------|
| PC/PCX-100 | 2005C1 |
| DDC-195 | 2008AC |
| PC/PCX-200 | 2010C1 |
| DDC-310 | 2012AC |
| PC/PCX-300 | 2015C1 |
| PC/PCX-420 | 2021C1 |

KITS

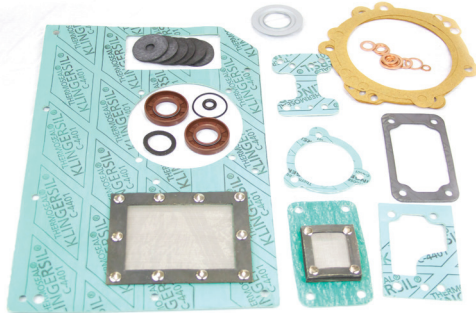
EXHAUST FILTER KITS

| MODEL(S) | PART NUMBER |
|-------------------------------|-------------|
| VGD 10/20 | 731023K |
| VCA/E 25 | 464 |
| VCA/E 40/60 (AFTER YEAR 2000) | 466 |
| VCAH/EH 100 (AFTER YEAR 2000) | 467 |

GASKET KITS

GASKET KITS INCLUDE GASKETS, O-RINGS & SHAFT SEALS.

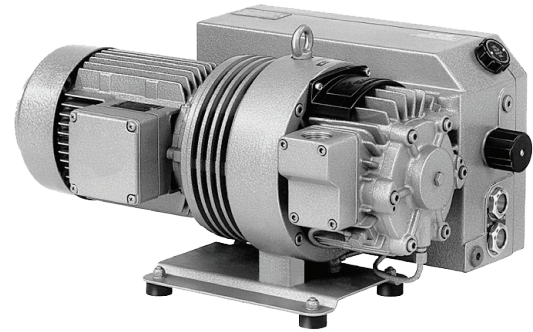
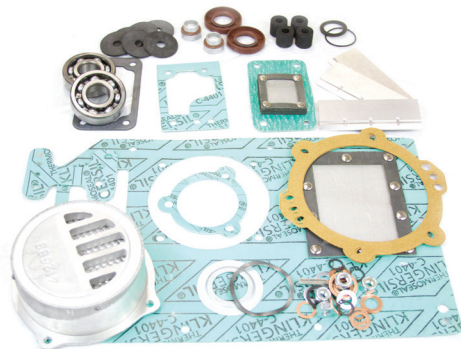
| MODEL(S) | PART NUMBER |
|-------------|-------------|
| VCA/E 25 | 1021150101 |
| VCA/E 40 | 1021160101 |
| VCA/E 60 | 1021170101 |
| VCAH/EH 100 | 1021610201 |



MAJOR REPAIR KITS w/VANES

MAJOR REPAIR KITS W/VANES INCLUDE ALL COMPONENTS OF EXHAUST FILTER KITS & GASKET KITS PLUS O-RINGS, VANES, BEARINGS, COUPLINGS, SIGHT GLASS & OTHER COMPONENTS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|-------------|-------------|
| VCA/E 25 | 3142 |
| VCA/E 40 | 3143 |
| VCA/E 60 | 3144 |
| VCAH/EH 100 | 3145 |



FEATURED SPARES

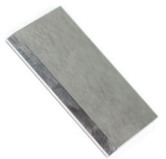
EXHAUST FILTERS

| MODEL(S) | REQ. | PART NUMBER |
|---------------------------|----------|-------------|
| VCA/E 25 | (REQ. 1) | 313658 |
| VCA/E 40/60 (AFTER 2000) | (REQ. 4) | 731399 |
| VCA/E 40/60 (BEFORE 2000) | (REQ. 4) | 730946 |
| VCAH/EH 100 (AFTER 2000) | (REQ. 4) | 731400 |
| VCAH/EH 100 (BEFORE 2000) | (REQ. 4) | 730936 |
| VGD10/20 | | 731023 |



ALUMINUM ALLOY VANES

| MODEL(S) | REQ. | PART NUMBER |
|-------------|----------|-------------|
| VCA/E 25 | (REQ. 3) | 522265 |
| VCA/E 40 | (REQ. 3) | 526676 |
| VCA/E 60 | (REQ. 3) | 524802 |
| VCAH/EH 100 | (REQ. 3) | 521556 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|---|-------------|
| PLUS 70 (1L/1.06QT) GENERAL PURPOSE | PP70001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC | PPGOLD001 |
| PLUS 530 (1L/1.06QT) USDA H-2 APPROVED GENERAL PURPOSE | 530-001 |
| PLUS 570 (1L/1.06QT) USDA H-2 APPROVED FULLY SYNTHETIC | 570-001 |





KITS

EXHAUST FILTER KITS

EXHAUST FILTER KITS INCLUDE EXHAUST FILTERS & ACCESS PANEL O-RINGS (AS REQUIRED).

| MODEL(S) | PART NUMBER |
|------------|-------------|
| VC 50/75 | 474 |
| VC 100/150 | 475 |
| VC 200 | 468 |
| VC 202/303 | 478 |
| VC 300 | 469 |
| VC 400 | 470 |

INLET FILTER KITS

INLET FILTER KITS INCLUDE INLET FILTERS & SEALING RING GASKETS.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| VC 400 | 3211F |

FILTER SERVICE KITS

FILTER SERVICE KITS INCLUDE EXHAUST FILTERS, INLET FILTER, ACCESS PANEL O-RINGS & SEALING RING GASKETS.

| MODEL(S) | PART NUMBER |
|------------|-------------|
| VC 100/150 | VC100150FSK |
| VC 200 | VC200FSK |
| VC 300 | VC300FSK |
| VC 400 | VC400FSK |

GASKET KITS

| MODEL(S) | PART NUMBER |
|------------|-------------|
| VC 100 | 1026512001 |
| VC 150 | 1026522001 |
| VC 200 | 1021600201 |
| VC 202/303 | 1027280101 |
| VC 300 | 1025670101 |
| VC 400 | 1025681001 |

MAJOR REBUILD KITS w/VANES

MAJOR REBUILD KITS W/VANES INCLUDE ALL COMPONENTS OF EXHAUST FILTER KITS & GASKET KITS PLUS O-RINGS, VANES, BEARINGS, COUPLINGS, SIGHT GLASS & OTHER COMPONENTS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|------------|-------------|
| VC 100 | 3237 |
| VC 150 | 3238 |
| VC 200 | 3226 |
| VC 202/303 | 3259 |
| VC 300 | 3227 |
| VC 400 | 3211 |



FEATURED SPARES

EXHAUST FILTERS

| MODEL(S) | REQ. | PART NUMBER |
|------------|----------|-------------|
| VC 50/75 | (REQ. 3) | 731468 |
| VC 100/150 | (REQ. 4) | 731468 |
| VC 200 | (REQ. 4) | 731401 |
| VC 202/303 | (REQ. 5) | 731630 |
| VC 300 | (REQ. 7) | 731401 |
| VC 400 | (REQ. 4) | 731400 |
| VC 400 | (REQ. 7) | 731401 |



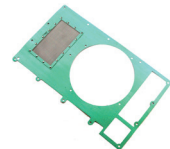
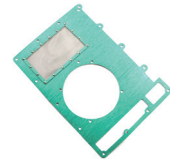
ALUMINUM ALLOY VANES

| MODEL(S) | REQ. | PART NUMBER |
|------------|----------|-------------|
| VC 100/150 | (REQ. 3) | 528129 |
| VC 200 | (REQ. 3) | 521638 |
| VC 202/303 | (REQ. 3) | 528833 |
| VC 300 | (REQ. 3) | 521639 |
| VC 400 | (REQ. 3) | 512740 |



OIL BOX GASKETS w/MESH FILTER

| MODEL(S) | PART NUMBER |
|----------|-------------|
| VC 200 | 314088 |
| VC 300 | 313504 |
| VC 400 | 312817 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|---|-------------|
| PLUS 70 (1L/1.06QT) GENERAL PURPOSE | PP70001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC | PPGOLD001 |
| PLUS 530 (1L/1.06QT) USDA H-2 APPROVED GENERAL PURPOSE | 530-001 |
| PLUS 570 (1L/1.06QT) USDA H-2 APPROVED FULLY SYNTHETIC | 570-001 |



KITS

EXHAUST FILTER KITS

EXHAUST FILTER KITS INCLUDE EXHAUST FILTERS & ACCESS PANEL O-RINGS (AS REQUIRED).

| MODEL(S) | PART NUMBER |
|--------------|-------------|
| VC 500/700 | 471 |
| VC 900 | 472 |
| VC 1100/1300 | 473 |

INLET FILTER KITS

INLET FILTER KITS INCLUDE INLET FILTERS & SEALING RING GASKETS.

| MODEL(S) | PART NUMBER |
|-------------|-------------|
| VC 500/700 | 3212F |
| VC 900/1100 | 3214F |

FILTER SERVICE KITS

FILTER SERVICE KITS INCLUDE EXHAUST FILTERS, INLET FILTER, ACCESS PANEL O-RINGS & SEALING RING GASKETS.

| MODEL(S) | PART NUMBER |
|------------|-------------|
| VC 500/700 | VC500700FSK |
| VC 900 | VC900FSK |

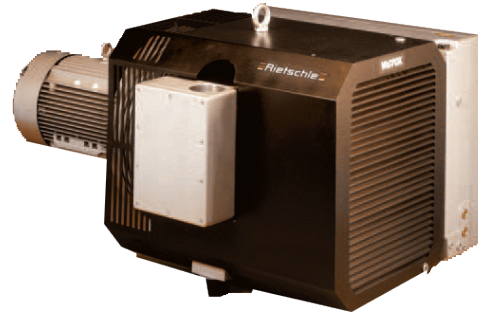
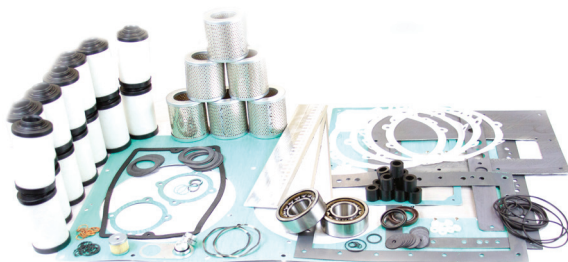
GASKET KITS

| MODEL(S) | PART NUMBER |
|------------|-------------|
| VC 500/700 | 1025701001 |

MAJOR REBUILD KITS w/VANES

MAJOR REBUILD KITS w/VANES INCLUDE ALL COMPONENTS OF EXHAUST FILTER KITS & GASKET KITS PLUS O-RINGS, VANES, BEARINGS, COUPLINGS, SIGHT GLASS & OTHER COMPONENTS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|------------|-------------|
| VC 500/700 | 3212 |



FEATURED SPARES

EXHAUST FILTERS

| MODEL(S) | | PART NUMBER |
|--------------|-----------|-------------|
| VC 500/700 | (REQ. 14) | 731401 |
| VC 900 | (REQ. 8) | 731400 |
| VC 900 | (REQ. 14) | 731401 |
| VC 1100/1300 | (REQ. 8) | 731400 |
| VC 1100/1300 | (REQ. 21) | 731401 |



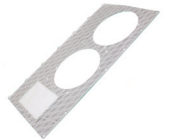
ALUMINUM ALLOY VANES

| MODEL(S) | PART NUMBER |
|------------|-----------------|
| VC 500/700 | (REQ. 3) 526584 |



OIL BOX GASKETS w/MESH FILTER

| MODEL(S) | PART NUMBER |
|------------|-------------|
| VC 500/700 | 312865 |
| VC 900 | 312881 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|---|-------------|
| PLUS 70 (1L/1.06QT) GENERAL PURPOSE | PP70001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC | PPGOLD001 |
| PLUS 530 (1L/1.06QT) USDA H-2 APPROVED GENERAL PURPOSE | 530-001 |
| PLUS 570 (1L/1.06QT) USDA H-2 APPROVED FULLY SYNTHETIC | 570-001 |





FEATURED SPARES

FILTERS

| MODEL(S) | PART NUMBER |
|--------------------------------------|-------------|
| VTN 25,26 (REQ. 1) | 317895 |
| VTN 15,16 (REQ. 1) | 317900 |
| VTN 40,41,60 (REQ. 1) | 317957 |
| VLT 40 (REQ. 1) | 317957 |
| VTN 10 (REQ. 1) | 317984 |
| DTA 40,50, KTA 40,50 (REQ. 4) | 318710 |
| VGA 15,20 (REQ. 1) | 513457 |
| VGA 15,20 (REQ. 1) | 518358 |
| VGA 4,6, VGC 4,6 (REQ. 1) | 519861 |
| VGA 4,6, VGC 4,6 (REQ. 1) | 730502 |
| VTE 3, DTE 3 (REQ. 1) | 731137 |
| DTA 60,80, VTA 60,80 (REQ. 1) | 731142 |
| DTA 100, 140 (REQ. 2) | 731142 |
| VTA 100,140 (REQ. 2) | 731142 |
| KTA 60 (REQ.2) | 731142 |
| KTA 80/1,80/2,80/3.80/4,80/5 (REQ.2) | 731142 |
| KTA 100,140 (REQ. 4) | 731142 |
| DTA 100,140, (REQ. 1) | 731143 |
| KTA 100,140 (REQ. 1) | 731143 |
| VTA 100,140 (REQ. 1) | 731143 |
| VTE 6,8,10 (REQ. 1) | 731145 |
| DTE 6,8,10 (REQ. 1) | 731145 |
| DTA 60,80 (REQ. 1) | 731148 |
| KTA 60,80 (REQ. 1) | 731148 |
| VTA 60,80 (REQ. 1) | 731148 |
| DTA 40,50 (REQ. 1) | 731191 |
| KTA 40,50 (REQ. 1) | 731191 |
| VCB 20,25 (REQ. 1) | 731311 |
| VTR 100,140 (REQ. 1) | 731719 |
| VG D 10,15 (REQ. 1) | 731399 |

FEATURED SPARES

VANES

| MODEL(S) | PART NUMBER |
|--|-------------|
| VTE 6 (REQ. 4) | 507051 |
| VLT 25, VTN 25, 26(REQ. 6) | 513431 |
| VNT 10 (REQ. 6) | 513455 |
| VNT 15,16 (REQ. 6) | 513702 |
| VLT 40, VTN 40,41 (REQ.7) | 518943 |
| VTE 3, DTE 3 (REQ. 4) | 522716 |
| VTE 8, DTE 8 (REQ. 4) | 523474 |
| DTA 80, KTA 80/1,80/2,80/3,80/4 (REQ. 6) | 523851 |
| VTA 60, 80 (REQ. 4) | 523851 |
| DTA 40, KTA 40 (REQ. 6) | 523879 |
| DTA 50,KTA 50 (REQ. 6) | 523880 |
| DTA 100, KTA 100 (REQ. 6) | 525351 |
| VTA 100 (REQ. 4) | 525351 |
| VTN 60 (REQ. 7) | 526577 |
| KTA 80/5 (REQ. 8) | 528401 |
| DTA 60, KTA 60 (REQ. 6) | 528802 |



KITS

SEAL & GASKET KITS

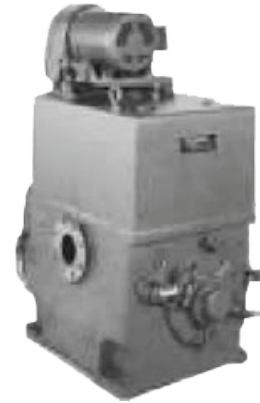
SEAL & GASKET KITS INCLUDE MECHANICAL SHAFT SEAL(S), O-RINGS, CLAPPER OR POPPET VALVES, GASKETS, SIGHT GLASS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

| MODEL(S) | | PART NUMBER |
|----------|-----------------|-------------|
| 212 H-11 | (CLAPPER VALVE) | 4296389K |
| 412 H-11 | (CLAPPER VALVE) | 42963812K |
| 212 H-11 | (POPPET VALVE) | 4296389KP |
| 412 H-11 | (POPPET VALVE) | 42963812KP |

REPAIR KITS

REPAIR KITS INCLUDE ALL COMPONENTS OF SEAL & GASKET KITS PLUS V-BELTS, SOLENOID COIL, BEARINGS (AS NOTED) & OTHER COMPONENTS.

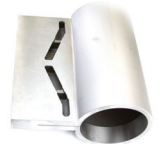
| MODEL(S) | | PART NUMBER |
|----------|----------------------|-------------|
| 212 H-11 | (CLAPPER VALVE) | 4296389 |
| 212 H-11 | (CLAPPER W/BEARINGS) | 4296389B |
| 412 H-11 | (CLAPPER VALVE) | 42963812 |
| 412 H-11 | (CLAPPER W/BEARINGS) | 42963812B |
| 212 H-11 | (POPPET VALVE) | 4296389P |
| 212 H-11 | (POPPET W/BEARINGS) | 4296389BP |
| 412 H-11 | (POPPET VALVE) | 42963812P |
| 412 H-11 | (POPPET W/BEARINGS) | 42963812BP |



FEATURED SPARES

PISTON SLIDES

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 243595011 |



HINGE BARS

| MODEL(S) | PART NUMBER |
|---------------------|-------------|
| ALL (STANDARD SIZE) | 297857004 |
| ALL (1/32 OVERSIZE) | 297857006 |
| ALL (1/16 OVERSIZE) | 297857007 |
| ALL (1/8 OVERSIZE) | 297857012 |



HINGE BAR SPACERS

| MODEL(S) | PART NUMBER |
|--------------------------|-------------|
| 412 H-11 (STANDARD SIZE) | 268788001 |
| 412 H-11 (1/32 OVERSIZE) | 268788002 |
| 412 H-11 (1/16 OVERSIZE) | 268788003 |
| 412 H-11 (1/8 OVERSIZE) | 268788007 |



ECCENTRICS (CAMS)

| MODEL(S) | PART NUMBER |
|--------------|-------------|
| ALL (HOLLOW) | 278575001 |
| ALL (SOLID) | 252459001 |



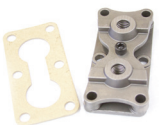
SHAFTS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 212 H-11 | 252616012 |
| 412 H-11 | 262992005 |



SHAFT SEALS

| MODEL(S) | PART NUMBER |
|------------|-------------|
| ALL (MECH) | 085029600 |
| ALL (LIP) | 427121002 |



VALVE ASSEMBLIES

| MODEL(S) | PART NUMBER |
|--------------------|-------------|
| ALL (STAINLESS) | 263840004 |
| ALL (ZYTEL) | 263840006 |
| ALL (POPPET STYLE) | 607417001 |

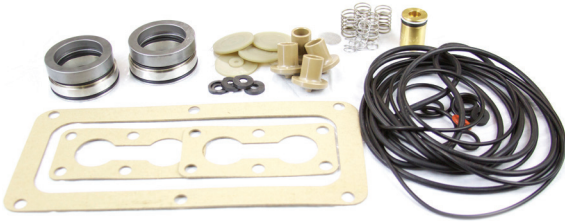


KITS

SEAL & GASKET KITS

SEAL & GASKET KITS INCLUDE POPPET VALVES, GASKETS, O-RINGS, MECHANICAL SHAFT SEALS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 212 J | 429638016 |
| 412 J | 429638015 |



REPAIR KITS

REPAIR KITS INCLUDE ALL COMPONENTS OF SEAL & GASKET KITS PLUS V-BELTS, SOLENOID COIL, BEARINGS (AS NOTED) & OTHER COMPONENTS.

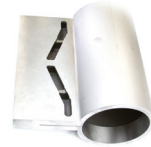
| MODEL(S) | PART NUMBER |
|--------------------|--------------|
| 212 J | 429638016RK |
| 212 J (W/BEARINGS) | 429638016RKB |
| 412 J | 429638015RK |
| 412 J (W/BEARINGS) | 429638015RKB |



FEATURED SPARES

PISTON SLIDES

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 243595011 |



HINGE BARS

| MODEL(S) | PART NUMBER |
|---------------------|-------------|
| ALL (STANDARD SIZE) | 297857004 |
| ALL (1/32 OVERSIZE) | 297857006 |
| ALL (1/16 OVERSIZE) | 297857007 |
| ALL (1/8 OVERSIZE) | 297857012 |



HINGE BAR SPACERS

| MODEL(S) | PART NUMBER |
|-----------------------|-------------|
| 412 J (STANDARD SIZE) | 268788001 |
| 412 J (1/32 OVERSIZE) | 268788002 |
| 412 J (1/16 OVERSIZE) | 268788003 |
| 412 J (1/8 OVERSIZE) | 268788007 |



ECCENTRICS (CAM)

| MODEL(S) | PART NUMBER |
|--------------|-------------|
| ALL (HOLLOW) | 278575001 |
| ALL (SOLID) | 252459001 |



SHAFTS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 212 J | 252616012 |
| 412 J | 262992005 |



SHAFT SEALS

| MODEL(S) | PART NUMBER |
|------------|-------------|
| ALL (MECH) | 085029600 |



VALVE ASSEMBLIES

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 607417001 |

RECOMMENDED OILS

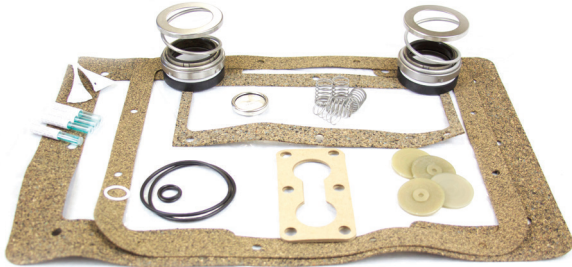
| TYPE | PART NUMBER |
|--|-------------|
| PLUS 77 (20L/5.28GAL) | PP77020 |
| GENERAL PURPOSE OIL (EQU. TO V-LUBE B) | |

KITS

SEAL & GASKET KITS

SEAL & GASKET KITS INCLUDE SHAFT SEAL KITS, O-RINGS, CLAPPER VALVES, GASKETS, SIGHT GLASSES & OTHER COMPONENTS FOR LIGHT OVERHAUL.

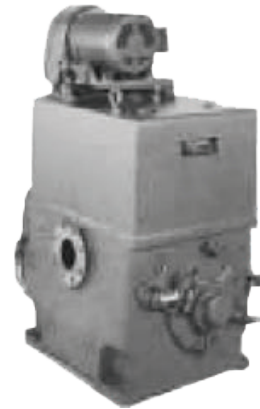
| MODEL(S) | PART NUMBER |
|----------|-------------|
| 212 H-10 | 4296388K |
| 412 H-10 | 42963811K |



REPAIR KITS

REPAIR KITS INCLUDE ALL COMPONENTS OF SEAL & GASKET KITS PLUS V-BELTS, SOLENOID COIL & OTHER COMPONENTS.

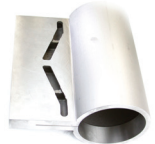
| MODEL(S) | PART NUMBER |
|----------|-------------|
| 212 H-10 | 4296388 |
| 412 H-10 | 42963811 |



FEATURED SPARES

PISTON SLIDES

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 243595011 |



HINGE BARS

| MODEL(S) | PART NUMBER |
|---------------------|-------------|
| ALL (STANDARD SIZE) | 297857004 |
| ALL (1/32 OVERSIZE) | 297857006 |
| ALL (1/16 OVERSIZE) | 297857007 |



ECCENTRICS (CAMS)

| MODEL(S) | PART NUMBER |
|--------------|-------------|
| ALL (HOLLOW) | 278575001 |
| ALL (SOLID) | 252459001 |

SHAFT SEALS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 085018189 |

VALVE ASSEMBLIES

| MODEL(S) | PART NUMBER |
|-------------------|-------------|
| ALL (STAINLESS H) | 263840004 |
| ALL (ZYTEL H) | 263840006 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 77 (20L/5.28GAL) | PP77020 |
| GENERAL PURPOSE OIL (EQU. TO V-LUBE B) | |

KITS

SHAFT SEAL KITS

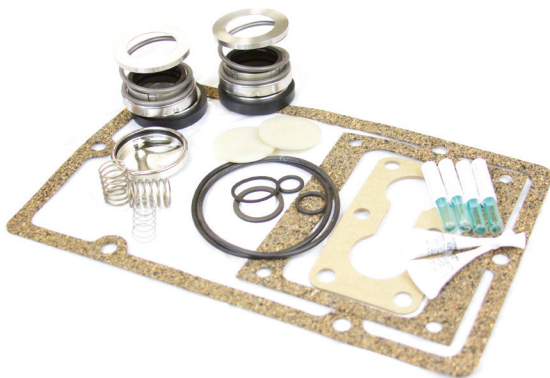
| MODEL(S) | PART NUMBER |
|----------|-------------|
| 148 H-10 | 085018194 |
| 149 H-11 | 085029599 |



SEAL & GASKET KITS

SEAL & GASKET KITS INCLUDE ALL COMPONENTS OF SHAFT SEAL KITS PLUS O-RINGS, CLAPPER VALVES, GASKETS, SIGHT GLASSES & OTHER COMPONENTS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 148 H-10 | 4296384K |
| 149 H-11 | 4296386K |



REPAIR KITS

REPAIR KITS INCLUDE ALL COMPONENTS OF SEAL & GASKET KITS, PLUS V-BELTS, SOLENOID COIL, BEARINGS (AS NOTED) & OTHER COMPONENTS.

| MODEL(S) | PART NUMBER |
|-----------------------|-------------|
| 148 H-10 | 4296384 |
| 148 H-10 (W/BEARINGS) | 4296384B |
| 149 H-11 | 4296386 |
| 149 H-11 (W/BEARINGS) | 4296386B |



FEATURED SPARES

SOLENOID VALVES (INCLUDES COIL)

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 149 H-11 | U30011271 |



FLOW INDICATORS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 085034799 |



BEARINGS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 148 H-10 | 085016211 |
| 149 H-11 | 085019247 |



CLAPPER VALVES

| MODEL(S) | PART NUMBER |
|-----------------|-------------|
| ALL (PLASTIC) | 276781002 |
| ALL (STAINLESS) | 272963002 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 77 (20L/5.28GAL) | PP77020 |
| GENERAL PURPOSE OIL (EQU. TO V-LUBE B) | |

KITS

SEAL KITS

SEAL KITS INCLUDE SHAFT SEALS, SHAFT SLEEVE, PRIMER & RETAINING COMPOUND.

| MODEL(S) | PART NUMBER |
|-------------|-------------|
| 306/310 | 4240891 |
| 607/615/622 | 607552001 |

SHIM KITS

SHIM KITS INCLUDE (4) EACH OF A VARIETY OF SHIMS RANGING FROM 0.002" TO 0.062".

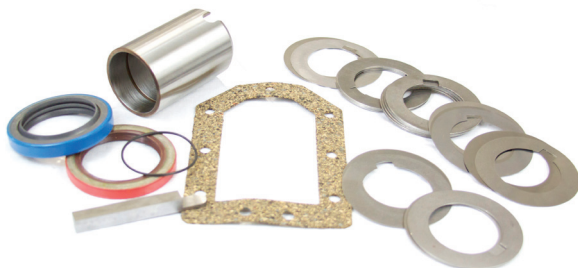
| MODEL(S) | PART NUMBER |
|-------------|-------------|
| 607/615/622 | 424097001 |



BOOSTER REPAIR KITS

BOOSTER REPAIR KITS INCLUDE SHIMS, SHAFT SEALS, COVER GASKETS & OTHER COMPONENTS REQUIRED FOR BOOSTER REPAIR. KITS ARE OFFERED IN CLOCKWISE OR COUNTER-CLOCKWISE ROTATION, WITH OR WITHOUT BEARINGS (AS NOTED).

| MODEL(S) | | PART NUMBER |
|-------------|---------------------|--------------|
| 306/310 | | 424094001 |
| 607 | (CW) | 424096003CW |
| 607 | (CCW) | 424096003CCW |
| 615/622 | (CW) | 424096002CW |
| 615/622 | (CCW) | 424096002CCW |
| 615/622 | (CW / NO BEARINGS) | 615CWNB |
| 615/622 | (CCW / NO BEARINGS) | 615CCWNB |
| 607/615/622 | MVR/MHR | 607552002 |



FEATURED SPARES

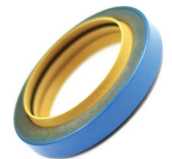
BEARINGS

| MODEL(S) | PART NUMBER |
|-------------|-------------|
| 306/310 | 085037645 |
| 306/310 | 085037646 |
| 607/615/622 | 085044345 |



SHAFT SEALS

| MODEL(S) | | PART NUMBER |
|----------|--------------|-------------|
| 306/310 | (CCW-BLUE) | 085040198 |
| 615/622 | (RADIAL LIP) | 085040707 |
| 615/622 | (CW-RED) | 085043463 |
| 615/622 | (CCW-BLUE) | 085043469 |



SHAFT SLEEVES

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 306/310 | 429296005 |
| 607 | 430726008 |
| 615/622 | 430726002 |



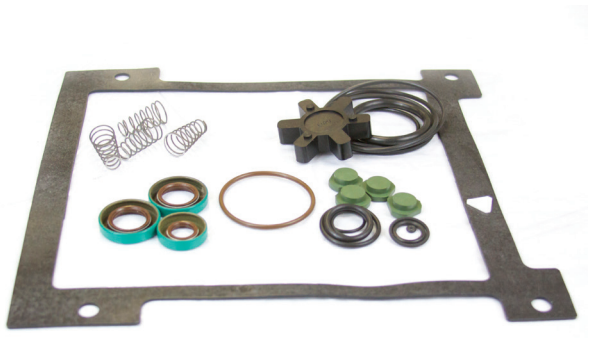


KITS

MINOR KITS

MINOR KITS INCLUDE O-RINGS, GASKETS, VALVES, SPRINGS, COUPLING ELEMENTS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 005 | 424092001 |
| 009 | 429319001 |
| 013 | 4240761 |
| 017/023 | 4240781 |



MAJOR KITS

MAJOR KITS INCLUDE ALL COMPONENTS OF MINOR KITS PLUS VANES, SPRINGS & BUSHINGS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|--------------|
| 005 | 424091001KIT |
| 009 | 429320001KIT |
| 013 | 4240771KIT |
| 017/023 | 4240791KIT |



FEATURED SPARES

VANES

| MODEL(S) | | PART NUMBER |
|----------|----------|-------------|
| 013 | (1ST-LP) | 4276051G |
| 013 | (2ND-HP) | 4276061G |
| 017/023 | (1ST-LP) | 4276074G |
| 017/023 | (2ND-HP) | 4276081G |



BUSHINGS

| MODEL(S) | | PART NUMBER |
|----------|---------------|-------------|
| 013 | (FRONT PLATE) | 428219001 |
| 013 | (INT. PLATE) | 428218001 |
| 013 | (END PLATE) | 428219001 |
| 017/023 | (FRONT PLATE) | 428219001 |
| 017/023 | (INT. PLATE) | 428218001 |



COUPLINGS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 013 | 085039449 |
| 017/023 | 085039480 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |



KITS

VANE KITS

VANE KITS INCLUDE 1ST & 2ND STAGE VANES ONLY. DESIGNED TO WORK IN EITHER BELT OR DIRECT DRIVE PUMP MODEL.

| MODEL(S) | PART NUMBER |
|--------------------------|-------------|
| D 330 K/DK | 330VK |
| D 650 K/DK | 650VK |
| D 950 K/DK | 950VK |
| VD 301 | 301VK |
| VD 401 | 401VK |
| VS 1501 | 1501VK |
| VS 2401 (VERSIONS 1 & 2) | 2401VK |

LIGHT MAINTENANCE KITS

LIGHT MAINTENANCE KITS INCLUDE SHAFT SEALS, O-RINGS, VALVES, SPRINGS & OTHER COMPONENTS (AS APPLICABLE) FOR GENERAL SERVICE OF THE PUMP MODULE. K/DK PUMP KITS AVAILABLE WITH EITHER BUNA OR VITON SEALS & O-RINGS.

| MODEL(S) | | PART NUMBER |
|-----------------|---------|-------------|
| D 330 K/DK | (BUNA) | 330LMKB |
| D 330 K/DK | (VITON) | 330LMKV |
| D 650 K/DK | (BUNA) | 650LMKB |
| D 650 K/DK | (VITON) | 650LMKV |
| D 950 K/DK | (BUNA) | 950LMKB |
| D 950 K/DK | (VITON) | 950LMKV |
| VD 301 | (VITON) | 301LMK |
| VD 401 | (VITON) | 401LMK |
| VS 1501 | | 1501LMK |
| VS 2401 (VER 1) | | 2401LMKV1 |
| VS 2401 (VER 2) | | 2401LMKV2 |

MAJOR OVERHAUL KITS w/VANES

MAJOR OVERHAUL KITS INCLUDE THE COMPONENTS OF VANE KITS PLUS SHAFT SEALS, BEARINGS, O-RINGS, VALVES, SPRINGS & OTHER COMPONENTS (AS APPLICABLE) FOR GENERAL SERVICE OF THE PUMP MODULE. K/DK PUMP KITS AVAILABLE WITH EITHER BUNA OR VITON SEALS & O-RINGS.

| MODEL(S) | | PART NUMBER |
|-----------------|---------|-------------|
| D 330 K/DK | (BUNA) | 1001802 |
| D 330 K/DK | (VITON) | 1011474 |
| D 650 K/DK | (BUNA) | 1001804 |
| D 650 K/DK | (VITON) | 1028029 |
| D 950 K/DK | (BUNA) | 1001803 |
| D 950 K/DK | (VITON) | 1005862 |
| VD 301 | (VITON) | 301MOK |
| VD 401 | (VITON) | 401MOK |
| VS 1501 | | 1501MOK |
| VS 2401 (VER 1) | | 2401MOKV1 |
| VS 2401 (VER 2) | | 2401MOKV2 |



FEATURED SPARES

VANES

| MODEL(S) | | PART NUMBER |
|---------------|--------------------|-------------|
| D 330 K/DK | (1ST STAGE/2 REQ.) | 1010278 |
| D 330 K/DK | (2ND STAGE/2 REQ.) | 1010282 |
| D 650 K/DK | (1ST STAGE/4 REQ.) | 1010278 |
| D 650 K/DK | (2ND STAGE/2 REQ.) | 1010278 |
| D 950 K/DK | (1ST STAGE/6 REQ.) | 1010278 |
| D 950 K/DK | (2ND STAGE/2 REQ.) | 1010282 |
| VD 301 | (1ST STAGE/2 REQ.) | 1027512 |
| VD 301 | (2ND STAGE/2 REQ.) | 1027513 |
| VD 401 | (1ST STAGE/2 REQ.) | 1029270 |
| VD 401 | (2ND STAGE/2 REQ.) | 1027513 |
| VS 1501 | (1ST STAGE/2 REQ.) | 1030830 |
| VS 2401 (ALL) | (1ST STAGE/2 REQ.) | 1030888 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |





KITS

TIP SEAL KITS

| MODEL(S) | PART NUMBER |
|-------------|-------------|
| DIS 90 | 98885570 |
| DIS 250/251 | P71002026 |
| DIS 500/501 | P71004026 |

CRANK PIN KITS

| MODEL(S) | PART NUMBER |
|-------------|-------------|
| DIS 90 | 98883580 |
| DIS 250/251 | 71002006 |
| DIS 500/501 | 71004006 |



FEATURED SPARES

SHAFTS

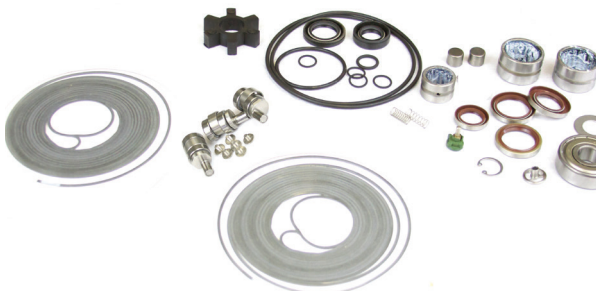
| MODEL(S) | PART NUMBER |
|-------------|-------------|
| DIS 250/251 | 71002012 |
| DIS 500/501 | 71003012 |



MAJOR REBUILD KITS

MAJOR REBUILD KITS INCLUDE TIP SEALS, CRANK PINS, BEARINGS, O-RINGS, SHAFT SEALS & OTHER COMPONENTS FOR MAJOR OVERHAUL.

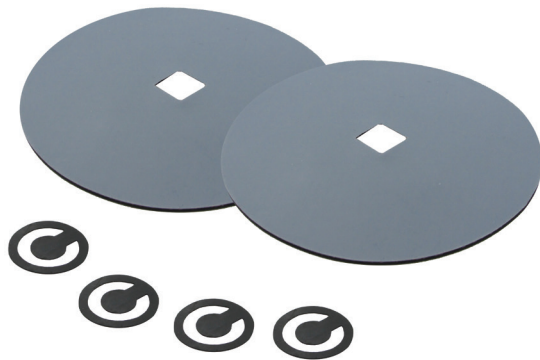
| MODEL(S) | PART NUMBER |
|-------------|-------------|
| DIS 90 | 98882590 |
| DIS 250/251 | P71005800 |
| DIS 500/501 | P71004800 |



KITS

SEAL KITS

| MODEL(S) | PART NUMBER |
|----------------------------------|-------------|
| ME 2 | 696810 |
| ME 4, ME 4 R/P, MZ 2, MZ 2 D/T/V | 696811 |
| MD 4, MD 4 T, ME 8, MV 2, MZ 4 | 696812 |
| ME 2 C | 696813 |
| ME 4 C | 6968134C |
| ME 8 C | 6968138C |
| ME 16 C | 69681316C |
| MD 4 C, MZ 4 C | 696815 |
| MD 8, ME 16, MZ 8 | 696819 |
| MV 2 | 696822 |
| MZ 2 C | 696814 |
| MZ 2 D | 696835 |



FEATURED SPARES

DISCS

| MODEL(S) | PART NUMBER |
|-----------------------|-------------|
| MD 4 C, MZ 4 C | 580047 |
| ME 2/4/9/16 C | 580047 |
| MD 4/8, MD 4T | 637238 |
| ME 2/4/9/16, ME 4 R/P | 637238 |
| MV 2 | 637238 |
| MZ 2/4/8, MZ 2 D/T/V | 637238 |



VALVES

| MODEL(S) | PART NUMBER |
|-----------------------|-------------|
| MD 4 C, MZ 4 C | 580048 |
| ME 2/4/9/16 C | 638440 |
| ME 2/4/9/16, ME 4 R/P | 639803 |
| MV 2 | 639803 |
| MZ 2/4/8, MZ 2 D/T/V | 639803 |



KITS

TIP SEAL KITS

TIP SEAL KITS INCLUDE TIP SEAL & O-RINGS.

| MODEL(S) | PART NUMBER |
|------------|-------------|
| SH 100/110 | SH0100TS |
| TS 300 | TSS0300TS |
| TS 600 | TSS0600TS |



MAJOR REPAIR KITS

MAJOR REPAIR KITS INCLUDE TIP SEAL, SHAFT SEALS, BEARINGS, CRANK PINS, SPRINGS, CLIPS & ALL O-RINGS FOR COMPLETE OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| TS 300 | TSS0300MK |
| TS 600 | TSS0600MK |



FEATURED SPARES

CRANK PINS

| MODEL(S) | PART NUMBER |
|----------|-----------------|
| TS 300 | (REQ. 3) 350010 |
| TS 600 | (REQ. 3) 350011 |



SHAFT SEALS

| MODEL(S) | PART NUMBER |
|------------|------------------|
| TS 300/600 | (32X42X4) 310057 |
| TS 300/600 | (8X15X3) 310058 |
| TS 300 | (24X32X4) 310059 |
| TS 600 | (22X30X4) 310060 |



CRANK SHAFTS

CONTACT CUSTOMER SERVICE FOR AVAILABILITY.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| TS 300 | 4711001 |
| TS 600 | 4811001 |



BEARINGS

| MODEL(S) | PART NUMBER |
|------------|-------------|
| TS 300/600 | 4718001 |
| TS 300/600 | 4718005 |
| TS 300/600 | 4818002 |
| TS 300/600 | 4818003 |



KRYTOX GREASE

| MODEL(S) | PART NUMBER |
|----------|--------------|
| ALL | (50Z) 870013 |

KITS

TIP SEAL KITS

MODEL(S)
DS 300
DS 600

PART NUMBER
P71002026
P71004026



CRANK PIN KITS

MODEL(S)
DS 300
DS 600

PART NUMBER
71002006
71004006

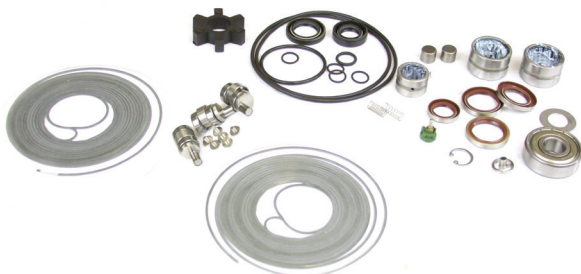


MAJOR REBUILD KITS

MAJOR REBUILD KITS INCLUDE TIP SEALS, CRANK PINS, BEARINGS, O-RINGS, SHAFT SEALS & OTHER COMPONENTS FOR COMPLETE OVERHAUL.

MODEL(S)
DS 300
DS 600

PART NUMBER
P71005800
P71004800



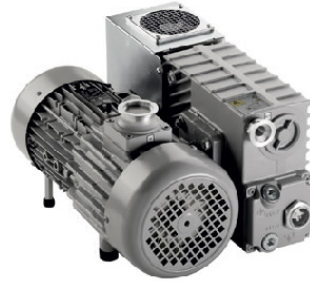
FEATURED SPARES

CRANK SHAFTS

MODEL(S)
DS 300
DS 600

PART NUMBER
71002012
71003012



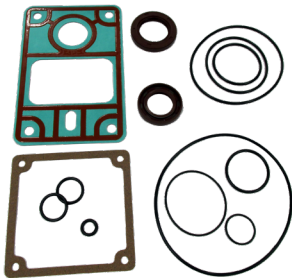


KITS

SEAL KITS

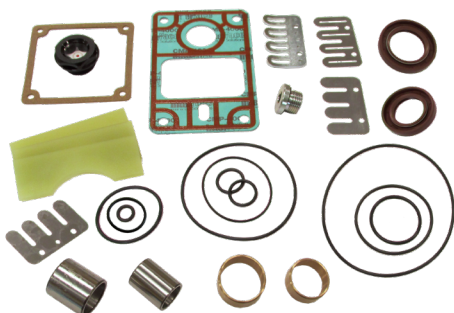
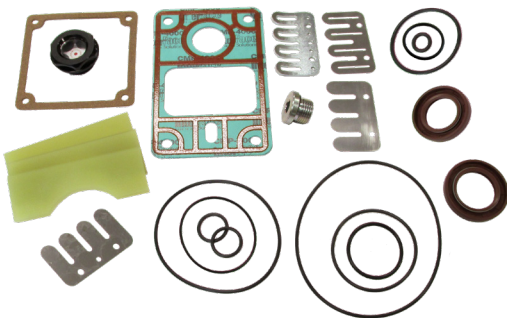
SEAL KITS INCLUDE GASKETS, O-RINGS & SHAFT SEALS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|--------------|
| MS40+ | 9499203SEAL |
| DS42 | 985700212042 |



MAINTENANCE KITS

| MODEL(S) | PART NUMBER |
|----------------------------|--------------|
| MS40+ | 9499203 |
| MS40+ w/SLEEVES & BUSHINGS | 9499203SB |
| DS42(VARIAN) | 985700212142 |
| DS42(AGILENT) | 985700212242 |



FEATURED SPARES

FILTERS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| MS40+ | 9499201 |



VANES

| MODEL(S) | PART NUMBER |
|----------|-------------|
| MS40+ | 230074 |
| DS42 | 230075XL |
| DS42 | 230076XL |



SHAFT SEALS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| MS40+ | 310115 |
| MS40+ | 310118 |
| DS42 | 310134 |
| DS42 | 310130 |
| DS42 | 310131 |



BRONZE BUSHINGS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| MS40+ | 510047 |
| MS40+ | 510048 |



FRICITION RINGS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| MS40+ | 510049 |
| MS40+ | 510050 |



COUPLINGS

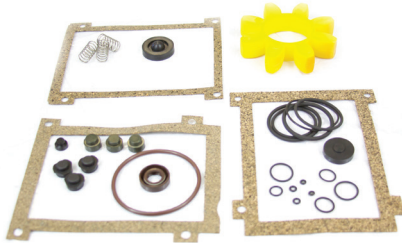
| MODEL(S) | PART NUMBER |
|----------|-------------|
| DS42 | 360072 |

KITS

SEAL KITS

SEAL KITS INCLUDE COUPLING ELEMENT, O-RINGS, GASKET, SHAFT SEALS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------------|--------------|
| DS 102/202/302 | 985700212001 |
| DS 402/602 | 985700228008 |



MAJOR SERVICE KITS

MAJOR SERVICE KITS INCLUDE ALL COMPONENTS OF SEAL KITS PLUS VANES & OTHER COMPONENTS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|------------|--------------|
| DS 102 | 985700205002 |
| DS 202/302 | 985700212002 |
| DS 402/602 | 985700228002 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |



FEATURED SPARES

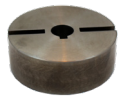
VANES

| MODEL(S) | | PART NUMBER |
|----------------|-------------|-------------|
| DS 102 | (1ST STAGE) | 230057G |
| DS 202/302 | (1ST STAGE) | 230055G |
| DS 402/602 | (1ST STAGE) | 230058G |
| DS 102/202/302 | (2ND STAGE) | 230056G |
| DS 402/602 | (2ND STAGE) | 230059G |



ROTORS

| MODEL(S) | | PART NUMBER |
|----------------|-------------|-------------|
| DS 102 | (1ST STAGE) | 3700273 |
| DS 202/302 | (1ST STAGE) | 3700319 |
| DS 102/202/302 | (2ND STAGE) | 3700269 |
| DS 402/602 | (1ST STAGE) | 3700371 |
| DS 402/602 | (2ND STAGE) | 3700367 |



PLATES

| MODEL(S) | | PART NUMBER |
|----------------|----------|-------------|
| DS 102/202/302 | (INNER) | 3700260 |
| DS 102/202/302 | (MIDDLE) | 3700262 |
| DS 102/202/302 | (END) | 3700285 |
| DS 402/602 | (INNER) | 3700362 |
| DS 402/602 | (MIDDLE) | 3700421 |
| DS 402/602 | (END) | 3700391 |



STATORS

| MODEL(S) | | PART NUMBER |
|----------------|-------------|-------------|
| DS 102 | (1ST STAGE) | 3700261 |
| DS 202 | (1ST STAGE) | 3700316 |
| DS 302 | (1ST STAGE) | 3700495 |
| DS 102/202/302 | (2ND STAGE) | 3700321 |
| DS 402 | (1ST STAGE) | 3700363 |
| DS 602 | (1ST STAGE) | 3700419 |
| DS 402/602 | (2ND STAGE) | 3700364 |



SHAFT SEALS

| MODEL(S) | PART NUMBER |
|----------------|-------------|
| DS 102/202/302 | 310055 |
| DS 402/602 | 310054 |

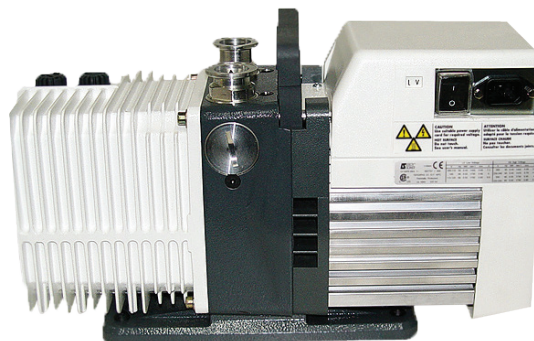


SHAFT BUSHINGS (INNER)

| MODEL(S) | PART NUMBER |
|------------|-------------|
| DS 402/602 | 250012 |



THE FOLLOWING VARIAN PUMP MODELS CROSS REFERENCE TO ALCATEL PUMP MODELS. PLEASE SEE ALCATEL SECTION FOR KIT AND PART OFFERINGS.



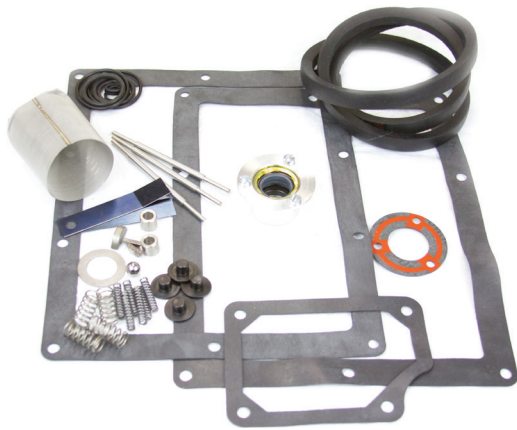
| VARIAN MODELS | ALCATEL MODELS |
|---------------|----------------|
| SD-90 | 2004A |
| SD-91 | 2005SD |
| SD-200 | 2008A |
| SD-201 | 2010SD |
| SD-300 | 2012A |
| SD-301 | 2015SD |
| SD-450 | 2020A |
| SD-451 | 2021SD |
| SD-700 | 2033SD |
| SD-1400 | 2063SD |
| CD-90 | 2004AC |
| CD-91 | 2005C1 |
| CD-200 | 2008AC |
| CD-201 | 2010C1 |
| CD-300 | 2012AC |
| CD-301 | 2015C1 |
| CD-450 | 2020AC |
| CD-451 | 2021C1 |
| CD-700 | 2033C1 |
| CD-1400 | 2063C1 |
| CP-201 | 2010C2 |
| CP-300 | 2012CP |
| CP-301 | 2015C2 |
| CP-450 | 2020CP |
| CP-451 | 2021C2 |
| CP-700 | 2033C2 |
| CP-1400 | 2063C2 |

KITS

MINOR REPAIR KITS

MINOR REPAIR KITS INCLUDE O-RINGS, GASKETS, MECHANICAL SHAFT SEALS, VALVES & OTHER COMPONENTS FOR LIGHT OVERHAUL.

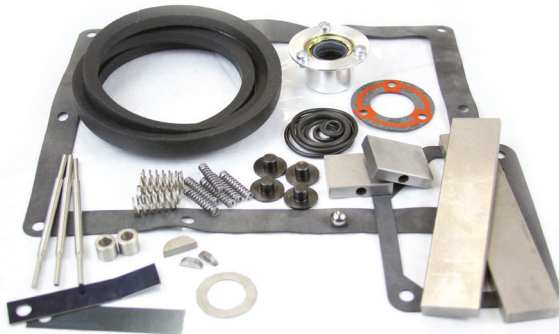
| MODEL(S) | PART NUMBER |
|----------|-------------|
| 1376 N | 1376K-09 |
| 1400 N | 1400K-09 |
| 1402 N | 1402K-09 |



MAJOR REPAIR KITS

MAJOR KITS INCLUDE ALL COMPONENTS OF MINOR KITS PLUS CAST IRON VANES, V-BELTS, & OTHER COMPONENTS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 1376 N | 1376K-10 |
| 1400 N | 1400K-10 |
| 1402 N | 1402K-10 |



FEATURED SPARES

MECHANICAL SHAFT SEALS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 1376 N | 411401D |
| 1400 N | 411401E |
| 1402 N | 411401D |



CAST IRON VANES

| MODEL(S) | PART NUMBER |
|---------------------|-------------|
| 1376 N (LARGE / 2) | 411684 |
| 1376 N (SMALL / 2) | 411487 |
| 1400 N (4 REQUIRED) | 411059IRON |
| 1402 N (LARGE / 2) | 410959 |
| 1402 N (SMALL / 2) | 411487 |



SHAFTS

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 1376 N | 411683 |
| 1400 N | 411060 |
| 1402 N | 412093 |



ROTORS

| MODEL(S) | PART NUMBER |
|-------------------------|-------------|
| 1376 N, 1402 N (INTAKE) | 411518 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|---|-------------|
| PLUS DUO (1L/1.06QT) GENERAL PURPOSE OIL (EQU. TO DUOSEAL) | PPD001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |



Note: Newer 1405 pumps with rectangular oil boxes and sight glasses use the same parts and kits as the 1402 models. Please contact customer service if you have any questions about which part numbers to use.



KITS

GASKET KITS

GASKET KITS INCLUDE GASKETS, WASHERS & VITON SHAFT SEALS AS NOTED.

| MODEL(S) | | PART NUMBER |
|-----------------|--------------|-------------|
| 1400 | (LIP) | 1400G |
| 1400 | (MECHANICAL) | 1400G/MS |
| 1402/1405(NEW)* | (LIP) | 1402G |
| 1402/1405(NEW)* | (MECHANICAL) | 1402G/MS |
| 1405(OLD)* | (LIP) | 1405G |
| 1405(OLD)* | (MECHANICAL) | 1405G/MS |

SECONDARY KITS

SECONDARY KITS INCLUDE ALL COMPONENTS OF GASKET KITS PLUS V-BELTS, EXHAUST VALVES & SPRINGS FOR LIGHT OVERHAUL.

| MODEL(S) | | PART NUMBER |
|----------------|--------------|-------------|
| 1400 | (LIP) | 1400S |
| 1400 | (MECHANICAL) | 1400S/MS |
| 1402/1405(NEW) | (LIP) | 1402S |
| 1402/1405(NEW) | (MECHANICAL) | 1402S/MS |
| 1405(OLD) | (LIP) | 1405S |
| 1405(OLD) | (MECHANICAL) | 1405S/MS |

PRIMARY KITS

PRIMARY KITS INCLUDE ALL COMPONENTS OF SECONDARY KITS PLUS VANES (CAST IRON-PI OR PHENOLIC-PP) FOR MAJOR OVERHAUL.

| MODEL(S) | | PART NUMBER |
|----------------|--------------------------|-------------|
| 1400 | (LIP - CAST IRON) | 1400PI |
| 1400 | (MECHANICAL - CAST IRON) | 1400PI/MS |
| 1400 | (LIP - PHENOLIC) | 1400PP |
| 1400 | (MECHANICAL - PHENOLIC) | 1400PP/MS |
| 1402/1405(NEW) | (LIP - CAST IRON) | 1402PI |
| 1402/1405(NEW) | (MECHANICAL - CAST IRON) | 1402PI/MS |
| 1402/1405(NEW) | (LIP - PHENOLIC) | 1402PP |
| 1402/1405(NEW) | (MECHANICAL - PHENOLIC) | 1402PP/MS |
| 1405(OLD) | (LIP - CAST IRON) | 1405PI |
| 1405(OLD) | (MECHANICAL - CAST IRON) | 1405PI/MS |
| 1405(OLD) | (LIP - PHENOLIC VANES) | 1405PP |
| 1405(OLD) | (MECHANICAL - PHENOLIC) | 1405PP/MS |



FEATURED SPARES

VANES

| MODEL(S) | | PART NUMBER |
|----------------|-----------------|-------------|
| 1400 | (1ST-PHEN) | 411059 |
| 1400 | (1ST-PHEN) | 411059 |
| 1400 | (1ST-CI) | 411059IRON |
| 1400 | (2ND-CI) | 411059IRON |
| 1402/1405(NEW) | (1ST-PHEN) | 412036 |
| 1402/1405(NEW) | (2ND-PHEN) | 412035 |
| 1402/1405(NEW) | (1ST-CI) | 410959 |
| 1402/1405(NEW) | (2ND-CI) | 411487 |
| 1405(OLD) | (1ST-PHEN) | 411294PH |
| 1405(OLD) | (1ST-CAST IRON) | 411294IRON |



SHAFTS

| MODEL(S) | | PART NUMBER |
|----------------|--|-------------|
| 1400 | | 411060 |
| 1402/1405(NEW) | | 412093 |



ROTORS

| MODEL(S) | | PART NUMBER |
|----------------|-----------|-------------|
| 1402/1405(NEW) | (EXHAUST) | 411518 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|---|-------------|
| PLUS DUO (1L/1.06QT) GENERAL PURPOSE OIL (EQU. TO DUOSEAL) | PPD001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |



KITS

GASKET KITS

GASKET KITS INCLUDE GASKETS, WASHERS & VITON SHAFT SEALS AS NOTED.

| MODEL(S) | | PART NUMBER |
|----------|--------------|-------------|
| 1373 | (LIP) | 1373G |
| 1373 | (MECHANICAL) | 1373G/MS |
| 1374 | (LIP) | 1374G |
| 1374 | (MECHANICAL) | 1374G/MS |
| 1376 | (LIP) | 1376G |
| 1376 | (MECHANICAL) | 1376G/MS |

SECONDARY KITS

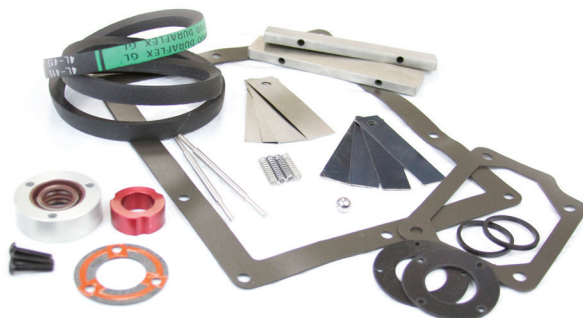
SECONDARY KITS INCLUDE ALL COMPONENTS OF GASKET KITS PLUS V-BELTS, EXHAUST VALVES & SPRINGS FOR LIGHT OVERHAUL.

| MODEL(S) | | PART NUMBER |
|----------|--------------|-------------|
| 1373 | (LIP) | 1373S |
| 1373 | (MECHANICAL) | 1373S/MS |
| 1374 | (LIP) | 1374S |
| 1374 | (MECHANICAL) | 1374S/MS |
| 1376 | (LIP) | 1376S |
| 1376 | (MECHANICAL) | 1376S/MS |

PRIMARY KITS

PRIMARY KITS INCLUDE ALL COMPONENTS OF SECONDARY KITS PLUS VANES (CAST IRON-PI OR PHENOLIC-PP) FOR MAJOR OVERHAUL.

| MODEL(S) | | PART NUMBER |
|----------|--------------------------------|-------------|
| 1373 | (LIP - CAST IRON VANES) | 1373PI |
| 1373 | (MECHANICAL - CAST IRON VANES) | 1373PI/MS |
| 1373 | (LIP - PHENOLIC VANES) | 1373PP |
| 1373 | (MECHANICAL - PHENOLIC VANES) | 1373PP/MS |
| 1374 | (LIP - CAST IRON VANES) | 1374PI |
| 1374 | (MECHANICAL - CAST IRON VANES) | 1374PI/MS |
| 1374 | (LIP - PHENOLIC VANES) | 1374PP |
| 1374 | (MECHANICAL - PHENOLIC VANES) | 1374PP/MS |
| 1376 | (LIP - CAST IRON VANES) | 1376PI |
| 1376 | (MECHANICAL - CAST IRON VANES) | 1376PI/MS |
| 1376 | (LIP - PHENOLIC VANES) | 1376PP |
| 1376 | (MECHANICAL - PHENOLIC VANES) | 1376PP/MS |



FEATURED SPARES

VANES

| MODEL(S) | | PART NUMBER |
|----------|-----------------|-------------|
| 1373 | (1ST-PHENOLIC) | 411748 |
| 1374 | (1ST-PHENOLIC) | 411462 |
| 1374 | (2ND-PHENOLIC) | 412035 |
| 1376 | (1ST-CAST IRON) | 411684 |
| 1376 | (1ST-PHENOLIC) | 411748 |
| 1376 | (2ND-CAST IRON) | 411487 |
| 1376 | (2ND-PHENOLIC) | 412035 |



SHAFTS

| MODEL(S) | | PART NUMBER |
|----------|--|-------------|
| 1374 | | 411484 |
| 1376 | | 411683 |



ROTORS

| MODEL(S) | | PART NUMBER |
|----------|-----------|-------------|
| 1376 | (EXHAUST) | 411518 |



RINGS (STATOR)

| MODEL(S) | | PART NUMBER |
|----------|----------------|-------------|
| 1376 | (EXHAUST RING) | 412039 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|---|-------------|
| PLUS DUO (1L/1.06QT) GENERAL PURPOSE OIL (EQU. TO DUOSEAL) | PPD001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |



KITS

GASKET KITS

GASKET KITS INCLUDE GASKETS, WASHERS & VITON SHAFT SEALS AS NOTED.

| MODEL(S) | | PART NUMBER |
|----------|--------------|-------------|
| 1397 | (LIP) | 1397G |
| 1397 | (MECHANICAL) | 1397G/MS |
| 1398 | (MECHANICAL) | 1398G/MS |
| 1399 | (LIP) | 1399G |
| 1399 | (MECHANICAL) | 1399G/MS |

SECONDARY KITS

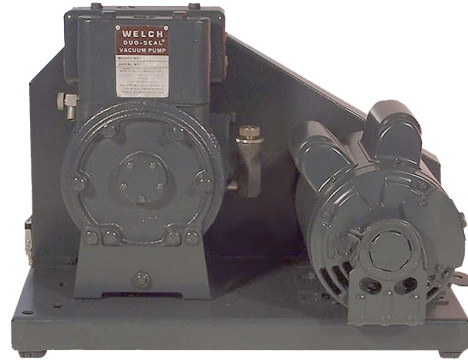
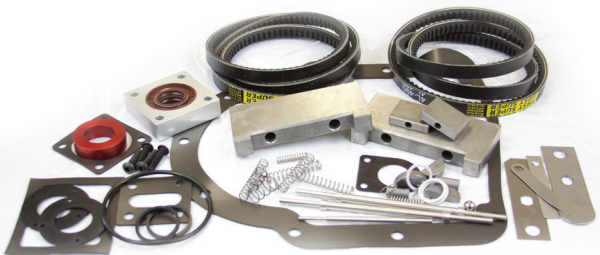
SECONDARY KITS INCLUDE ALL COMPONENTS OF GASKET KITS PLUS V-BELTS, EXHAUST VALVES & SPRINGS FOR LIGHT OVERHAUL.

| MODEL(S) | | PART NUMBER |
|----------|--------------|-------------|
| 1397 | (LIP) | 1397S |
| 1397 | (MECHANICAL) | 1397S/MS |
| 1398 | (MECHANICAL) | 1398S/MS |
| 1399 | (LIP) | 1399S |
| 1399 | (MECHANICAL) | 1399S/MS |

PRIMARY KITS

PRIMARY KITS INCLUDE ALL COMPONENTS OF SECONDARY KITS PLUS VANES (CAST IRON-PI OR PHENOLIC-PP) FOR MAJOR OVERHAUL.

| MODEL(S) | | PART NUMBER |
|----------|--------------------------------|-------------|
| 1397 | (LIP - CAST IRON VANES) | 1397PI |
| 1397 | (MECHANICAL - CAST IRON VANES) | 1397PI/MS |
| 1397 | (LIP - PHENOLIC VANES) | 1397PP |
| 1397 | (MECHANICAL - PHENOLIC VANES) | 1397PP/MS |
| 1398 | (MECHANICAL - CAST IRON VANES) | 1398PI/MS |
| 1398 | (MECHANICAL - PHENOLIC VANES) | 1398PP/MS |
| 1399 | (LIP - CAST IRON VANES) | 1399PI |
| 1399 | (MECHANICAL - PHENOLIC VANES) | 1399PI/MS |
| 1399 | (LIP - PHENOLIC VANES) | 1399PP |
| 1399 | (MECHANICAL - PHENOLIC VANES) | 1399PP/MS |



FEATURED SPARES

VANES

| MODEL(S) | | PART NUMBER |
|----------|-----------------|-------------|
| 1398 | (1ST-PHENOLIC) | 412383 |
| 1398 | (2ND-PHENOLIC) | 412380 |
| 1398 | (1ST-CAST IRON) | 412406 |
| 1398 | (2ND-CAST IRON) | 412392 |
| 1399 | (1ST-CAST IRON) | 411059IRON |
| 1399 | (1ST-PHENOLIC) | 411059 |
| 1397 | (1ST-CAST IRON) | 411477 |
| 1397 | (2ND-CAST IRON) | 411487 |
| 1397 | (1ST-PHENOLIC) | 411462 |
| 1397 | (2ND-PHENOLIC) | 412035 |



RINGS (STATOR)

| MODEL(S) | | PART NUMBER |
|----------|----------------|-------------|
| 1397 | (EXHAUST RING) | 411497 |



SHAFTS

| MODEL(S) | | PART NUMBER |
|----------|-------------|-------------|
| 1397 | (NO COLLAR) | 411484 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|---|-------------|
| PLUS DUO (1L/1.06QT) GENERAL PURPOSE OIL (EQU. TO DUOSEAL) | PPD001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |

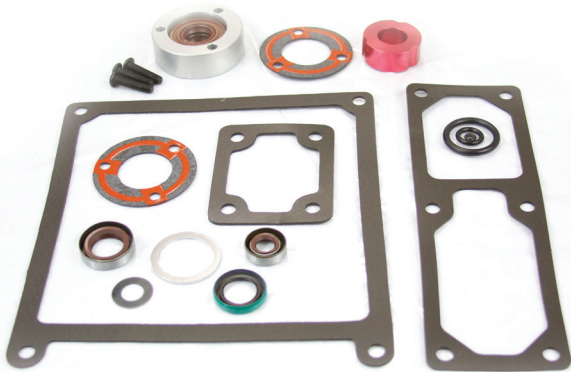


KITS

SEAL & GASKET KITS

SEAL & GASKET KITS INCLUDE GASKETS, WASHERS & VITON SHAFT SEALS.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| ALL | 8800SGK |



MAJOR REPAIR KITS

MAJOR REPAIR KITS INCLUDE ALL COMPONENTS OF SEAL & GASKET KITS PLUS VANES, SPRINGS, SIGHT GLASS AND OTHER COMPONENTS FOR MAJOR OVERHAUL.

| MODEL(S) | PART NUMBER |
|----------|-------------|
| 8806 | 8806MRK |
| 8811 | 8811MRK |
| 8814 | 8814MRK |
| 8816 | 8816MRK |
| 8821 | 8821MRK |
| 8851 | 8851MRK |



FEATURED SPARES

VANES

| MODEL(S) | | PART NUMBER |
|-----------|-----------|-------------|
| ALL | (EXHAUST) | 413327 |
| 8811/8816 | (INTAKE) | 413328 |
| 8814 | (INTAKE) | 413469 |
| 8821 | (INTAKE) | 413329 |
| 8851 | (INTAKE) | 413104 |



SHAFT SEALS

| MODEL(S) | PART NUMBER |
|----------------------|-------------|
| ALL (VITON LIP SEAL) | 411401E-01 |



EXHAUST VALVES

| MODEL(S) | PART NUMBER |
|--------------------------------|-------------|
| 8806-8814 (4IN X 4IN X 3IN ID) | 1417G |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |

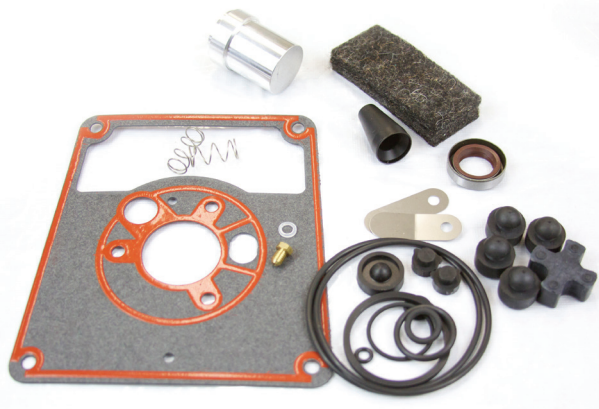


KITS

MINOR REPAIR KITS

MINOR REPAIR KITS INCLUDE GASKETS, SHAFT SEALS, KEYS, O-RINGS, DRIP PADS, COUPLING, SPRINGS, VALVES, WASHERS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

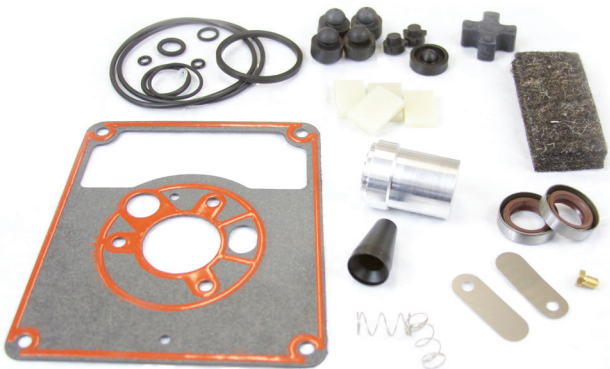
| MODEL(S) | PART NUMBER |
|-------------------|-------------|
| 8905, 8905/8910 A | 8905K02 |
| 8907/8912/8917 A | 8917K02 |



MAJOR REPAIR KITS

MAJOR REPAIR KITS INCLUDE ALL COMPONENTS OF MINOR REPAIR KITS PLUS VANES FOR MAJOR OVERHAUL.

| MODEL(S) | | PART NUMBER |
|----------|-------------|-------------|
| 8905 | (OLD STYLE) | 8905MRK |
| 8905 A | (NEW STYLE) | 8905AMRK |
| 8907 A | | 8907MRK |
| 8910 A | | 8910MRK |
| 8912 A | | 8912MRK |
| 8917 A | | 8917MRK |



FEATURED SPARES

VANES

| MODEL(S) | | PART NUMBER |
|----------|-----------|-------------|
| 8905 | (INTAKE) | 612109A |
| 8905 | (EXHAUST) | 612108A |
| 8905 A | (INTAKE) | 612178A |
| 8905 A | (EXHAUST) | 612179A |
| 8907 A | (INTAKE) | 616051 |
| 8907 A | (EXHAUST) | 616052 |
| 8910 A | (INTAKE) | 612178A |
| 8910 A | (EXHAUST) | 612179A |
| 8912 A | (INTAKE) | 616050 |
| 8912 A | (EXHAUST) | 616053 |
| 8917 A | (INTAKE) | 616049 |
| 8917 A | (EXHAUST) | 616052 |



SHAFT SEALS

| MODEL(S) | | PART NUMBER |
|-------------------|----------|-------------|
| 8905, 8905-8910 A | (5/8 IN) | 412988 |
| 8907-8917 A | (3/8 IN) | 412962 |
| 8907-8917 A | (3/4 IN) | 413390 |

RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |

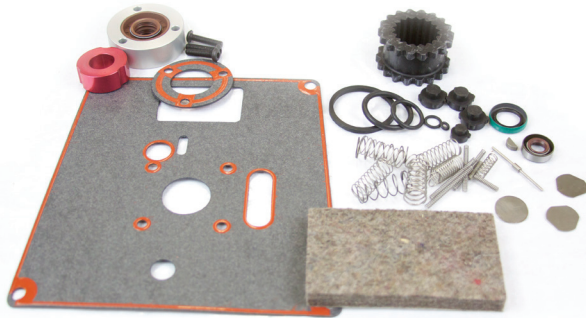


KITS

MINOR REPAIR KITS

MINOR REPAIR KITS INCLUDE GASKETS, SHAFT SEALS, KEYS, O-RINGS, DRIP PADS, COUPLING, SPRINGS, VALVES, WASHERS & OTHER COMPONENTS FOR LIGHT OVERHAUL.

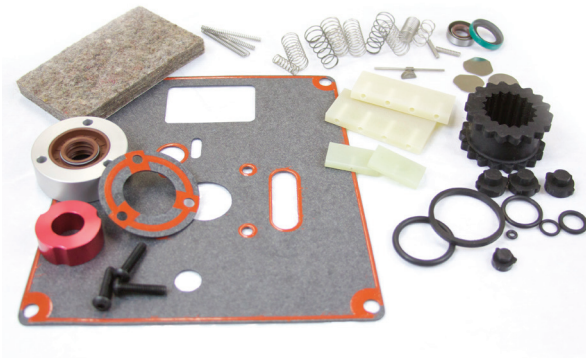
| MODEL(S) | | PART NUMBER |
|-------------|-------------|-------------|
| 8915, 8920 | (OLD STYLE) | 8915K02 |
| 8915/8920 A | (NEW STYLE) | 8915AK02 |
| 8925 A | | 8925K02 |



MAJOR REPAIR KITS

MAJOR REPAIR KITS INCLUDE ALL COMPONENTS OF MINOR REPAIR KITS PLUS VANES FOR MAJOR OVERHAUL.

| MODEL(S) | | PART NUMBER |
|----------|-------------|-------------|
| 8915 | (OLD STYLE) | 8915MRK |
| 8915 A | (NEW STYLE) | 8915AMRK |
| 8920 | (OLD STYLE) | 8920MRK |
| 8920 A | (NEW STYLE) | 8920AMRK |
| 8925 A | | 8925MRK |



FEATURED SPARES

VANES

| MODEL(S) | | PART NUMBER |
|-------------|-----------|-------------|
| 8915/8920 | (EXHAUST) | 413327 |
| 8915/8920 A | (EXHAUST) | 619615A |
| 8925 A | (EXHAUST) | 619570A |
| 8915 | (INTAKE) | 413479 |
| 8915 A | (INTAKE) | 619538B |
| 8920 | (INTAKE) | 413329 |
| 8920 A | (INTAKE) | 619616B |
| 8925 A | (INTAKE) | 619571B |



SHAFT SEALS

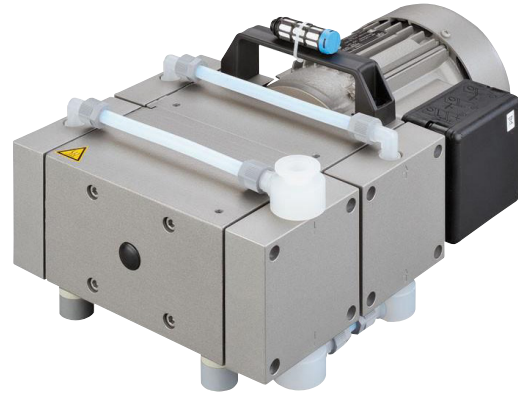
| MODEL(S) | | PART NUMBER |
|-------------|-------------|-------------|
| 8915/8920 | (VITON LIP) | 411401E-01 |
| 8915-8925 A | (VITON LIP) | 411401D-01 |



RECOMMENDED OILS

| TYPE | PART NUMBER |
|--|-------------|
| PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL | PP19001 |
| PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL | PPGOLD001 |
| PLUS FF (1L/1.06QT) FLUSHING FLUID | PPFF001 |





KITS

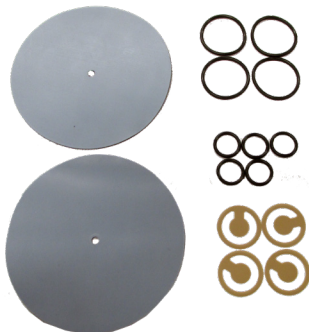
SERVICE KITS

| MODEL(S) | PART NUMBER |
|----------------|-------------|
| 2032/2042/2047 | 2047K-01 |
| 2037/2034/2044 | 2037K-01 |



MAINTENANCE KITS

| MODEL(S) | PART NUMBER |
|--------------|-------------|
| 2052 | 402042 |
| 2054 | 402042-01 |
| 2062 | 402043 |
| 2064 | 402043 |
| 2067 | 402043 |
| MP/C 301 E | 402046 |
| MP/C 301 V | 402042 |
| MP/C 301 Z | 402041 |
| MP/C 601 E | 402041 |
| MP/C 601 T | 402042 |
| MP/C 901 Z | 402042 |
| MP/C 1201 E | 402042 |
| MP/C 1201 TP | 402043 |
| MP/C 1801 ZP | 402043 |
| MP/C 2401 EP | 402043 |



HYDROCARBON FLUIDS & OILS

CHOOSE FROM A VARIETY OF HIGH-QUALITY GRADES OF HYDROCARBON OILS AND VACUUM PUMP FLUIDS SPECIALLY FORMULATED FOR SUPERIOR PERFORMANCE. THE ENTIRE PRECISION PLUS FAMILY OF OILS AND FLUIDS ARE FULLY TESTED TO ENSURE A PERFECT MATCH TO YOUR PARTICULAR APPLICATION.

PLUS 19

PLUS 19 IS AN EXCELLENT GENERAL PURPOSE, VACUUM DISTILLED, HYDROCARBON FLUID FOR DIRECT DRIVE VACUUM PUMPS. BECAUSE OF THEIR HIGH ROTATIONAL SPEED, DIRECT DRIVE VANE PUMPS REQUIRE A FLUID WITH LOWER VAPOR PRESSURE, BETTER OXIDATION RESISTANCE AND HIGHER THERMAL STABILITY THAN STRAIGHT REFINERY FLUIDS.

| SIZE | PART NUMBER |
|--------------------------|-------------|
| 1 L (1.06 QT) | PP19001 |
| 4 L (4.23 QT) | PP19004 |
| 12 L CASE (12 X 1.06 QT) | PP19012 |
| 20 L (5.28 GAL) | PP19020 |
| 208 L DRUM (55 GAL) | PP19220 |

PLUS 20

PLUS 20 IS DOUBLE DISTILLED AND OFFERS A COMBINATION OF LOWER VAPOR PRESSURE AND GREATER RESISTANCE TO OXIDATION. DOUBLE DISTILLATION LOWERS VAPOR PRESSURE BY REMOVING LIGHT END OIL FRACTIONS THAT CAN CAUSE BACKSTREAMING. THIS QUALITY MAKES PLUS 20 IDEAL FOR DIRECT DRIVE PUMPS USED IN BACKING DIFFUSION OR TURBOMOLECULAR PUMPS.

| SIZE | PART NUMBER |
|--------------------------|-------------|
| 1 L (1.06 QT) | PP20001 |
| 4 L (4.23 QT) | PP20004 |
| 12 L CASE (12 X 1.06 QT) | PP20012 |
| 20 L (5.28 GAL) | PP20020 |
| 208 L DRUM (55 GAL) | PP20220 |

PLUS 70

PLUS 70 IS EQUIVALENT TO LEYBOLD HE-700, SPECIFICALLY DESIGNED FOR LARGER SINGLE STAGE PUMPS.

| SIZE | PART NUMBER |
|--------------------------|-------------|
| 1 L (1.06 QT) | PP70001 |
| 4 L (4.23 QT) | PP70004 |
| 12 L CASE (12 X 1.06 QT) | PP70012 |
| 20 L (5.28 GAL) | PP70020 |
| 208 L DRUM (55 GAL) | PP70220 |

HYDROCARBON FLUIDS & OILS

SPECIFICATIONS FOR EACH PRODUCT CAN BE FOUND ON PAGE 3 OF THIS SECTION. PRECISION PLUS NORMALLY STOCKS 1-GALLON & SMALLER SIZES. LARGER CONTAINERS REQUIRE A 1-2 DAY LEAD-TIME TO SHIP. PLEASE CHECK WITH CUSTOMER SERVICE FOR AVAILABILITY. SDS SHEETS AVAILABLE UPON REQUEST OR ON OUR WEB SITE.

PLUS 77

PLUS 77 IS A GENERAL PURPOSE HIGH-VISCOSITY HYDROCARBON FLUID EQUIVALENT TO STOKES V-LUBE B, F & KINNEY KV-100.

| SIZE | PART NUMBER |
|-----------------|-------------|
| 4 L (4.23 QT) | PP77004 |
| 20 L (5.28 GAL) | PP77020 |

PLUS 97

PLUS 97 IS A GENERAL PURPOSE HIGH-VISCOSITY HYDROCARBON FLUID EQUIVALENT TO STOKES V-LUBE H.

| SIZE | PART NUMBER |
|-----------------|-------------|
| 4 L (4.23 QT) | PP97004 |
| 20 L (5.28 GAL) | PP97020 |

PLUS 100

PLUS 100 IS EQUIVALENT TO LEYBOLD HE-100 AND KINNEY LT MECHANICAL PUMP OIL.

| SIZE | PART NUMBER |
|--------------------------|-------------|
| 1 L (1.06 QT) | PP100001 |
| 4 L (4.23 QT) | PP100004 |
| 12 L CASE (12 X 1.06 QT) | PP100012 |
| 20 L (5.28 GAL) | PP100020 |

HYDROCARBON FLUIDS & OILS

CHOOSE FROM A VARIETY OF HIGH-QUALITY GRADES OF HYDROCARBON OILS AND VACUUM PUMP FLUIDS SPECIALLY FORMULATED FOR SUPERIOR PERFORMANCE. THE ENTIRE PRECISION PLUS FAMILY OF OILS AND FLUIDS ARE FULLY TESTED TO ENSURE A PERFECT MATCH TO YOUR PARTICULAR APPLICATION.

PLUS DUO

PLUS DUO IS A LOW VAPOR PRESSURE, NON-ADDITIVE, FRACTIONATED HYDROCARBON FLUID SPECIALLY FORMULATED FOR BELT-DRIVEN PUMPS. PLUS DUO IS RESISTANT TO OXIDATION, IS THERMALLY STABLE WITH LOW CHEMICAL REACTIVITY.

| SIZE | PART NUMBER |
|--------------------------|-------------|
| 1 L (1.06 QT) | PPD001 |
| 4 L (4.23 QT) | PPD004 |
| 12 L CASE (12 X 1.06 QT) | PPD012 |
| 20 L (5.28 GAL) | PPD020 |

PLUS GOLD

PLUS GOLD IS A LOW VAPOR PRESSURE, HIGH THERMAL STABILITY, SYNTHETIC HYDROCARBON FLUID. PLUS GOLD IS THE EQUIVALENT TO LEYBOLD HE-275 AND EDWARDS ED 45 SYNTHETIC HYDROCARBON FLUID.

| SIZE | PART NUMBER |
|--------------------------|-------------|
| 1 L (1.06 QT) | PPGOLD001 |
| 4 L (4.23 QT) | PPGOLD004 |
| 12 L CASE (12 X 1.06 QT) | PPGOLD012 |
| 20 L (5.28 GAL) | PPGOLD020 |

PLUS TW

PLUS TW IS A TECHNICAL WHITE OIL SPECIALLY PROCESSED FOR APPLICATIONS WHERE EXPOSURE TO REACTIVE GASES CAUSE PREMATURE DEGRADATION OF PLUS 20-TYPE FLUIDS. PLUS TW UNDERGOES A STRIPPING PROCESS IN WHICH SATURATED AND AROMATIC FLUID COMPONENTS ARE REMOVED. THE RESULT IS A FLUID WITH HIGH RESISTANCE TO ACIDIC-BY-PRODUCTS AND A LONGER LIFE THAN OTHER HYDROCARBON FLUIDS. TYPICAL APPLICATIONS INCLUDE LPCVD, ION IMPLANTATION, AND NITRIDE.

| SIZE | PART NUMBER |
|--------------------------|-------------|
| 1 L (1.06 QT) | PPTW001 |
| 4 L (4.23 QT) | PPTW004 |
| 12 L CASE (12 X 1.06 QT) | PPTW012 |
| 20 L (5.28 GAL) | PPTW020 |

HYDROCARBON FLUIDS & OILS

SPECIFICATIONS FOR EACH PRODUCT CAN BE FOUND ON PAGE 3 OF THIS SECTION. PRECISION PLUS NORMALLY STOCKS 1-GALLON & SMALLER SIZES. LARGER CONTAINERS REQUIRE A 1-2 DAY LEAD-TIME TO SHIP. PLEASE CHECK WITH CUSTOMER SERVICE FOR AVAILABILITY. SDS SHEETS AVAILABLE UPON REQUEST OR ON OUR WEB SITE.

PLUS UG 19

PLUS UG19 IS EQUIVALENT TO EDWARDS ULTRA GRADE 19 HYDROCARBON OIL.

| SIZE | PART NUMBER |
|--------------------------|-------------|
| 1 L (1.06 QT) | PPUG19001 |
| 4 L (4.23 QT) | PPUG19004 |
| 12 L CASE (12 X 1.06 QT) | PPUG19012 |
| 20 L (5.28 GAL) | PPUG19020 |
| 208 L DRUM (55 GAL) | PPUG19220 |

PLUS UG 20

PLUS UG20 IS EQUIVALENT TO EDWARDS ULTRA GRADE 20 HYDROCARBON OIL.

| SIZE | PART NUMBER |
|--------------------------|-------------|
| 1 L (1.06 QT) | PPUG20001 |
| 4 L (4.23 QT) | PPUG20004 |
| 12 L CASE (12 X 1.06 QT) | PPUG20012 |
| 20 L (5.28 GAL) | PPUG20020 |
| 208 L DRUM (55 GAL) | PPUG20220 |

PLUS UG 70

PLUS UG70 IS EQUIVALENT TO EDWARDS ULTRA GRADE 70 HYDROCARBON OIL.

| SIZE | PART NUMBER |
|--------------------------|-------------|
| 1 L (1.06 QT) | PPUG70001 |
| 4 L (4.23 QT) | PPUG70004 |
| 12 L CASE (12 X 1.06 QT) | PPUG70012 |
| 20 L (5.28 GAL) | PPUG70020 |
| 208 L DRUM (55 GAL) | PPUG70220 |

PLUS FF

THIS UNIQUE FLUSHING FLUID COMBINES LOW VAPOR PRESSURE WITH CUTTING ACTIONS TO REMOVE VARNISHES AND GUMS BUILDUP FROM VACUUM PUMP COMPONENTS. HYDROCARBON OIL IS BLENDED WITH A LOW VAPOR PRESSURE SOLVENT. PLUS FF MAY BE RUN OVERNIGHT TO RID PUMPS OF STUBBORN CONTAMINANTS AS REQUIRED.

| SIZE | PART NUMBER |
|---------------------|-------------|
| 1 L (1.06 QT) | PPFF001 |
| 4 L (4.23 QT) | PPFF004 |
| 20 L (5.28 GAL) | PPFF020 |
| 208 L DRUM (55 GAL) | PPFF220 |

SPECIFICATIONS

| | PLUS 19 | PLUS 20 | PLUS 70 |
|------------------------|-----------------------|-----------------------|-----------------------|
| VAPOR PRESSURE AT 25°C | 1 x 10 ⁻⁵ | <3 x 10 ⁻⁶ | <1 x 10 ⁻⁷ |
| VISCOSITY AT 40°C | 55 CST | 58 CST | 72 CST |
| VISCOSITY AT 100°C | 8.1 CST | 8.5 CST | N/A |
| POUR POINT | -15°C | -10°C | -10°C |
| FLASH POINT | 213°C | 224°C | 249°C |
| FIRE POINT | 244°C | 259°C | 276°C |
| | | | |
| | PLUS UG19 | PLUS UG20 | PLUS UG70 |
| VAPOR PRESSURE AT 25°C | <1 x 10 ⁻⁶ | 1 x 10 ⁻⁷ | 1 x 10 ⁻⁷ |
| VISCOSITY AT 40°C | 55 CST | 110 CST | 72 CST |
| VISCOSITY AT 100°C | N/A | N/A | N/A |
| POUR POINT | -10°C | -9°C | -10°C |
| FLASH POINT | 247°C | 252°C | 249°C |
| FIRE POINT | 274°C | 281°C | 276°C |
| | | | |
| | PLUS GOLD | PLUS DUO | |
| VAPOR PRESSURE AT 25°C | <1 x 10 ⁻⁷ | 2 x 10 ⁻⁴ | |
| VISCOSITY AT 40°C | 67 CST | 68 CST | |
| VISCOSITY AT 100°C | 9.2 CST | 8.7 CST | |
| POUR POINT | -55°C | -10°C | |
| FLASH POINT | 285°C | 230°C | |
| FIRE POINT | 305°C | 250°C | |
| | | | |
| | PLUS 77 | PLUS 97 | |
| VAPOR PRESSURE AT 25°C | <5 x 10 ⁻⁵ | <4 x 10 ⁻⁴ | |
| VISCOSITY AT 40°C | 100 CST | 207 CST | |
| VISCOSITY AT 100°C | 11.95 CST | 18.1 CST | |
| POUR POINT | -9°C | -12°C | |
| FLASH POINT | 257°C | 235°C | |
| FIRE POINT | 291°C | 277°C | |
| | | | |
| | PLUS TW | PLUS FF | |
| VAPOR PRESSURE AT 25°C | <1 x 10 ⁻⁶ | 5 x 10 ⁻⁴ | |
| VISCOSITY AT 40°C | 65 CST | 68 CST | |
| VISCOSITY AT 100°C | 9.1 CST | 8 CST | |
| POUR POINT | -12°C | -13°C | |
| FLASH POINT | 243°C | 230°C | |
| FIRE POINT | 270°C | 260°C | |

USDA H-2 APPROVED

HIGH-PERFORMANCE USDA H2, FOOD GRADE LUBRICANTS FORMULATED FOR USE IN THE FOOD PROCESSING AND PHARMACEUTICAL INDUSTRIES, WHERE HIGH-PURITY AND ANTI WEAR PERFORMANCE ARE ESSENTIAL. AVAILABLE IN 1 LITER SIZE, CASE OF 12 LITERS, 4 LITER AND 20 LITER CONTAINERS, AND 208 LITER DRUMS.

SDS SHEETS AVAILABLE UPON REQUEST OR ON OUR WEB SITE.

PLUS 530

PLUS 530 IS A 100% HYDROCARBON, ADDITIVE-FREE OIL DESIGNED FOR USE IN LARGE ROTARY VANE, PISTON AND LOBE TYPE VACUUM PUMPS. THE HIGH VISCOSITY AND LOW POUR POINT OF THIS OIL ENSURES EASE OF HANDLING IN EXTREME TEMPERATURES. EQUIVALENT TO AN SAE 30 WT. OIL.

| SIZE | PART NUMBER |
|--------------------------|-------------|
| 1 L (1.06 QT) | 530-001 |
| 4 L (4.23 QT) | 530-004 |
| 12 L CASE (12 X 1.06 QT) | 530-012 |
| 20 L (5.28 GAL) | 530-020 |
| 208 L DRUM (55 GAL)) | 530-220 |

PLUS 568 (FLUSHING FLUID)

PLUS 568 FLUSHING FLUID COMBINES LOW VAPOR PRESSURE WITH CUTTING ADDITIVES TO REMOVE VARNISHES.

PLUS 568 IS NOT USDA H-2 APPROVED

| SIZE | PART NUMBER |
|-----------------|-------------|
| 1 L (1.06 QT) | 568-001 |
| 4 L (4.23 QT) | 568-004 |
| 20 L (5.28 GAL) | 568-020 |

USDA H-2 APPROVED

PRECISION PLUS NORMALLY STOCKS 1-LITER & SMALLER SIZES. LARGER CONTAINERS REQUIRE A 1-2 DAY LEAD-TIME TO SHIP. PLEASE CHECK WITH CUSTOMER SERVICE FOR AVAILABILITY.

HYDROCARBON, SEMI-SYNTHETIC AND SYNTHETIC COMPOUNDS ARE AVAILABLE IN EQUIVALENT SAE15 THROUGH SAE40 WTS.

SPECIFICATIONS FOR EACH PRODUCT CAN BE FOUND ON THE FOLLOWING PAGE.

PLUS 570

PLUS 570 IS SPECIALLY FORMULATED SYNTHETIC HYDROCARBON FLUID WHICH PROVIDES SUPERIOR PROTECTION AND PERFORMANCE IN ALL TYPES OF MECHANICAL VACUUM PUMPS. LONGER DRAIN INTERVALS, BETTER HEAT TRANSFER FOR COOLER RUNNING PUMPS AND EXCELLENT RESISTANCE TO THERMAL DEGRADATION COMBINE TO GIVE GREATER ADVANTAGES TO THIS OIL.

| SIZE | PART NUMBER |
|--------------------------|-------------|
| 1 L (1.06 QT) | 570001 |
| 4 L (4.23 QT) | 570004 |
| 12 L CASE (12 X 1.06 QT) | 570012 |
| 20 L (5.28 GAL) | 570020 |

PLUS 580

PLUS 580 IS A SYNTHETIC BLEND COMPOUNDED POLYALPHAOLEFIN WITH ORGANIC COMPOUNDS. IT IS EQUIVALENT TO AN SAE 15 WT. OIL. IT IS RECOMMENDED FOR BUSCH R5 SERIES PUMPS.

| SIZE | PART NUMBER |
|--------------------------|-------------|
| 1 L (1.06 QT) | 580-001 |
| 4 L (4.23 QT) | 580-004 |
| 12 L CASE (12 X 1.06 QT) | 580-012 |
| 20 L (5.28 GAL) | 580-020 |

PLUS 590

PLUS 590 IS A SEMI-SYNTHETIC FLUID FORMULATED FROM A SPECIALLY-REFINED HYDROCARBON BASE STOCK. IT OFFERS MANY ADVANTAGES OVER A STANDARD HYDROCARBON OIL INCLUDING INCREASED OXIDATION AND TEMPERATURE STABILITY AND A GREATER RESISTANCE TO CARBON BUILD-UP.

| SIZE | PART NUMBER |
|--------------------------|-------------|
| 1 L (1.06 QT) | 590001 |
| 4 L (4.23 QT) | 590-004 |
| 12 L CASE (12 X 1.06 QT) | 590-012 |
| 20 L (5.28 GAL) | 590-020 |

SPECIFICATIONS

| | PLUS 530 | PLUS 570 | | |
|----------------------------|------------------------|------------------------|------------------------|--|
| VAPOR PRESSURE @ 25°C-TORR | < 1 x 10 ⁻⁴ | < 1 x 10 ⁻⁴ | | |
| EQUIVALENT SAE | 30 | 30 | | |
| VISCOSITY AT 40°C | 95 CST | 119.2 CST | | |
| VISCOSITY AT 100°C | 11 CST | 13.76 CST | | |
| POUR POINT | -12°C | -48°C | | |
| FLASH POINT | 250°C | 265°C | | |
| SPECIFIC GRAVITY (GM / ML) | 0.87 | 0.85 | | |
| TYPE | HYDRO | SYNTHETIC | | |
| | | | | |
| | PLUS 580 | PLUS 590 | PLUS 568 | |
| VAPOR PRESSURE @ 25°C-TORR | < 1 x 10 ⁻⁴ | < 1 x 10 ⁻⁴ | < 1 x 10 ⁻⁵ | |
| EQUIVALENT SAE | 15 | 30 | 30 | |
| VISCOSITY AT 40°C | 66.1 CST | 120.8 CST | 38.9 CST | |
| VISCOSITY AT 100°C | 9.6 CST | 12.5 CST | 5.5 CST | |
| POUR POINT | -45°C | -12°C | N/A | |
| FLASH POINT | 268°C | 266°C | 226°C | |
| SPECIFIC GRAVITY (GM / ML) | 0.84 | 1 | 0.95 | |
| TYPE | SYNTHETIC | SEMI | HYDRO | |



SELECT FROM AN EXTENDED RANGE OF FOMBLIN & SILICONE GREASES & LUBRICANTS FOR USE IN VACUUM PUMPS.

THE CORROSION RESISTANT PROPERTIES AND CHEMICAL INERTNESS OF THESE PRODUCTS RESULTS IN EXCELLENT LUBRICATING AND SEALING QUALITIES. THEY ALSO OFFER LOW VOLATILITY AND LOW VAPOR PRESSURES.

SPECIFICATIONS FOR EACH PRODUCT CAN BE FOUND ON THE FOLLOWING PAGE. SDS SHEETS AVAILABLE UPON REQUEST OR ON OUR WEB SITE.

KRYTOX FLUIDS

KRYTOX 1506

KRYTOX 1506 IS RECOMMENDED FOR USE IN ROTARY VANE VACUUM PUMPS AND IS A DIRECT REPLACEMENT FOR MINERAL OIL IN TERMS OF VISCOSITY AND VAPOR PRESSURE.

| SIZE | PART NUMBER |
|------------------------|-------------|
| 1 KIL BOTTLE (532 ML) | PPK1506-01 |
| 5 KIL BOTTLE (2660 ML) | PPK1506-05 |

KRYTOX 1514

KRYTOX 1514 IS RECOMMENDED FOR USE IN ROOTS-TYPE BOOSTER VACUUM PUMPS AND IS A DIRECT REPLACEMENT FOR MINERAL OIL IN TERMS OF VISCOSITY AND VAPOR PRESSURE.

| SIZE | PART NUMBER |
|------------------------|-------------|
| 1 KIL BOTTLE (532 ML) | PPK1514-01 |
| 5 KIL BOTTLE (2660 ML) | PPK1514-05 |

KRYTOX 1525

KRYTOX 1525 IS RECOMMENDED FOR USE IN ROTARY VANE AND ROOTS-TYPE BOOSTER VACUUM PUMPS REQUIRING A HIGHER VISCOSITY FLUID.

| SIZE | PART NUMBER |
|------------------------|-------------|
| 1 KIL BOTTLE (532 ML) | PPK1525-01 |
| 5 KIL BOTTLE (2660 ML) | PPK1525-05 |

FOMBLIN FLUIDS & GREASES

FOMBLIN Y 06/6

FOMBLIN Y06/6 IS RECOMMENDED FOR USE IN ROTARY VANE VACUUM PUMPS AND IS A DIRECT REPLACEMENT FOR MINERAL OIL IN TERMS OF VISCOSITY AND VAPOR PRESSURE.

| SIZE | PART NUMBER |
|------------------------|-------------|
| 1 KIL BOTTLE (532 ML) | PPF06-01 |
| 8 KIL BOTTLE (4256 ML) | PPF06-08 |

FOMBLIN Y 14/6

FOMBLIN Y14/06 IS HIGHER VISCOSITY FLUID RECOMMENDED FOR USE IN ROTARY VANE VACUUM PUMPS WHERE HIGH OPERATIONAL TEMPERATURES ARE A CONSIDERATION.

| SIZE | PART NUMBER |
|------------------------|-------------|
| 1 KIL BOTTLE (532 ML) | PPF14-01 |
| 8 KIL BOTTLE (4256 ML) | PPF14-08 |

FOMBLIN Y 16/6

FOMBLIN Y16/06 IS RECOMMENDED FOR USE IN ROOTS-TYPE BOOSTER VACUUM PUMPS AND IS A DIRECT REPLACEMENT FOR MINERAL OIL IN TERMS OF VISCOSITY AND VAPOR PRESSURE.

| SIZE | PART NUMBER |
|------------------------|-------------|
| 1 KIL BOTTLE (532 ML) | PPF16-01 |
| 8 KIL BOTTLE (4256 ML) | PPF16-08 |

FOMBLIN Y 25/6

FOMBLIN 25/06 IS RECOMMENDED FOR USE IN ROTARY VANE AND ROOTS-TYPE BOOSTER VACUUM PUMPS REQUIRING A HIGHER VISCOSITY FLUID.

| SIZE | PART NUMBER |
|------------------------|-------------|
| 1 KIL BOTTLE (532 ML) | PPF25-01 |
| 8 KIL BOTTLE (4256 ML) | PPF25-08 |

FOMBLIN UT 18

UT 18 HAS A LOW VAPOR PRESSURE, HIGH DEGREE OF CHEMICAL INERTNESS, EXCELLENT LUBRICITY, COMPATIBLE WITH METALS, PLASTICS AND ELASTOMERS, NON-FLAMMABLE. OPERATING TEMPERATURE RANGE - 30DEG C TO 151DEG C.

| SIZE | PART NUMBER |
|-----------|-------------|
| 100 GRAMS | PPUT18 |

FOMBLIN AR 555

AR 555 IS A HIGH PERFORMANCE PERFLUORINATED GREASE. AR 555 IS DESIGNED FOR DRY PUMP APPLICATIONS. OPERATING TEMPERATURE RANGE - 20DEGC TO 250DEGC.

| SIZE | PART NUMBER |
|-----------|-------------|
| 100 GRAMS | PPAR555 |

SPECIFICATIONS

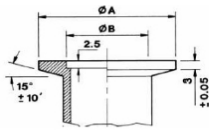
| | FOMBLIN Y06/6 | FOMBLIN Y14/6 | FOMBLIN Y16/6 |
|--------------------------|------------------------|------------------------|------------------------|
| VAPOR PRESSURE @ 20°C | 4 x 10 ⁻⁶ | 2 x 10 ⁻⁷ | 3 x 10 ⁻⁶ |
| VAPOR PRESSURE @ 100°C | 5 x 10 ⁻³ | N/A | 1 x 10 ⁻³ |
| SPECIFIC GRAVITY @ 15°C | 1.88 | 1.89 | 1.89 |
| POUR POINT °C | -50°C | -45°C | -45°C |
| FLASH POINT °C | N/A | N/A | N/A |
| VISCOSITY @ 20°C | 60 CST | 148 CST | 160 CST |
| VISCOSITY CST @ 40°C | 25 CST | N/A | 48 CST |
| | FOMBLIN Y25/6 | KRYTOX 1506 | KRYTOX 1514 |
| VAPOR PRESSURE @ 20°C | 4 x 10 ⁻⁸ | 5.2 x 10 ⁻⁷ | 2.6 x 10 ⁻⁷ |
| VAPOR PRESSURE @ 100°C | 6 x 10 ⁻⁵ | 1.3 x 10 ⁻³ | 1.3 x 10 ⁻⁴ |
| SPECIFIC GRAVITY @ 15°C | 1.9 | 1.88 | 1.89 |
| POUR POINT °C | -35°C | -45°C | -40°C |
| FLASH POINT °C | N/A | N/A | N/A |
| VISCOSITY CST @ 20°C | 276 CST | 70 CST | 140 CST |
| VISCOSITY CST @ 40°C | 80 CST | 22 CST | 48 CST |
| | KRYTOX 1525 | | |
| VAPOR PRESSURE @ 20°C | 1.3 x 10 ⁻⁷ | | |
| VAPOR PRESSURE @ 100°C | 3.9 x 10 ⁻⁵ | | |
| SPECIFIC GRAVITY @ 15°C | 1.9 | | |
| POUR POINT °C - | 35°C | | |
| FLASH POINT °C | N/A | | |
| VISCOSITY CST @ 20°C | 250 CST | | |
| | UT 18 | | |
| PENETRATION WORKED MM/10 | 285 | | |
| TEMP RANGE °C | -30 / 250°C | | |
| (30 HRS @ 204°C) | N/A | | |
| DENSITY (25°C) G/ML | 1.92 | | |
| | AR 555 | | |
| PENETRATION WORKED MM/10 | 281 | | |
| TEMP RANGE °C | -20 / 250°C | | |
| (30 HRS @ 204°C) | 6.8 | | |
| DENSITY (25°C) G/ML | 1.96 | | |

CROSS REFERENCE

| | ALCATEL | BUSCH | EDWARDS | KINNEY | LEYBOLD | STOKES | VARIAN | WELCH |
|----------------|---------|--|--------------------------------|---------|--------------------------------------|----------|------------|---------|
| PLUS 19 | 100 | VPO 3000 | SUPER A | TYPE A | HE-175 | V LUBE J | GP | |
| PLUS 20 | 119 | | ED 20 | SUPER X | HE-200 | V LUBE L | DP19GP | |
| PLUS 70 | | VM 068 | | | LVO150 HE-700 GS77 | | CS | |
| PLUS 77 | 102 | VM 100/VG 100 | ED 16 | KV-100 | LVO 100 LVO 108 N 62 HE-150 | V LUBE B | | |
| PLUS 87 | | | | | | V LUBE G | | |
| PLUS 97 | | | | | | V LUBE H | | |
| PLUS 100 | | | | LT | LVO 120 HE-100 GS 32 | | | |
| PLUS 120 | 120 | | | | | | | |
| PLUS 210 | | VE 101 | | | LVO 210 | | | |
| PLUS UG19 | | | ULTRA GRADE 19 | | | | | PREMIUM |
| PLUS UG20 | | | ULTRA GRADE 20 | | | | | |
| PLUS UG70 | | | ULTRA GRADE 70 | | | | | |
| PLUS DUO | | | ED 15 | TYPE L | HE-125 | | | DUOSEAL |
| PLUS GOLD | | | ED 45 | TYPE AX | GS 77 HE-275 | | | GOLD |
| PLUS TW | 300 | | ED TW | | LVO 600 HE-400 NC 2 | V LUBE T | | |
| PLUS TECH | | | | | LVO 200 HE-500 | | | |
| PLUS 500 | | | | | | | | |
| PLUS 530 | | R-530 VM 100 VG 100 SAE 30 R-540 | ULTRAGRADE 20 ULTRAGRADE 70 | S | | | | |
| PLUS 540 | | | | | | | | |
| PLUS 555 | | | | | LVO 210 HE-600 GS 555 | | | |
| PLUS 568 | | R-568 | | | | | | |
| PLUS 570 | 111 | R-570 | | | | | | |
| PLUS 580 | | R-9100 | | | | | | |
| PLUS 590 | | R-580 | | | | | | |
| PLUS 590 | | R-590 | | | | | | |
| PLUS 702 | | | DC 702 | | | | DC704 | |
| PLUS 704 | | | DC 704 | | | | DC705 | |
| PLUS 705 | | | DC 705 | | | | | |
| SANTOVAC 5 | | | SANTOVAC 5 | | HE-300 | | SANTOVAC 5 | |
| FOMBLIN Y 06/6 | | | Y06/6 | | LVO 420 | | | |
| FOMBLIN Y 14/6 | | | KRYTOX 1506 | | | | | |
| FOMBLIN Y 14/6 | | | KRYTOX 1514 | | LVO 400 HE-1400 | | | |
| FOMBLIN Y 16/6 | | | | | HE-1600 NC 1/14 | | | |
| FOMBLIN Y 25/6 | A113 | YLC 205B R-620 | KRYTOX 1525 | Y25/6 | LVO 410 HE-2500 | | | |

KF CLAMPS

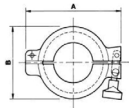
ALL OF OUR KF FLANGED FITTINGS ARE MANUFACTURED TO THE INDUSTRY STANDARD DIMENSIONS. THIS ALLOWS BOTH SIMPLE AND COMPLICATED PIPING TO FIT TOGETHER WITH EASE. PRECISION PLUS HAS A WIDE VARIETY OF 'KF' ADAPTORS, SO THAT YOU CAN CONNECT YOUR 'KF' FLANGED PIPEWORK TO OTHER TYPES OF FLANGES.



STANDARD DIMENSIONS: (MM)

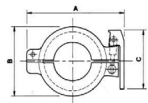
| SIZE | A | B |
|------|----|------|
| KF10 | 30 | 12.2 |
| KF16 | 30 | 17.2 |
| KF25 | 40 | 26.2 |
| KF40 | 55 | 41.2 |
| KF50 | 75 | 52.2 |

SWING CLAMP, ALUMINUM (WING NUT)



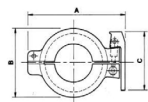
| SIZE | PART No. | DIMENSIONS (mm) | |
|----------|----------|-----------------|------|
| | | A | B |
| KF 10&16 | 90512403 | 56.9 | 42.9 |
| KF 25 | 90514403 | 70.1 | 55.1 |
| KF 40 | 90516403 | 86.1 | 70.1 |
| KF 50 | 90517403 | 110 | 94.1 |

HINGED CLAMP, POLYMER



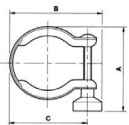
| SIZE | PART No. | DIMENSIONS (mm) | | |
|----------|-----------|-----------------|----|----|
| | | A | B | C |
| KF 10&16 | C10512303 | 68 | 40 | 57 |
| KF 20&25 | C10514303 | 80 | 50 | 57 |
| KF 32&40 | C10516303 | 95 | 66 | 57 |
| KF 50 | C10517303 | 125 | 86 | 57 |

HINGED CLAMP, ALUMINUM



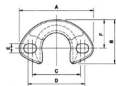
| SIZE | PART No. | DIMENSIONS (mm) | | |
|----------|-----------|-----------------|----|----|
| | | A | B | C |
| KF 10&16 | C10512402 | 68 | 46 | 57 |
| KF 20&25 | C10514402 | 80 | 50 | 57 |
| KF 32&40 | C10516402 | 95 | 66 | 57 |

CLAMPING RING, 316L STAINLESS



| SIZE | PART No. | DIMENSIONS (mm) | | |
|----------|-----------|-----------------|----|----|
| | | A | B | C |
| KF 10&16 | C10512401 | 44 | 46 | 34 |
| KF 20&25 | C10514401 | 60 | 60 | 48 |
| KF 32&40 | C10516401 | 73 | 75 | 63 |
| KF 50 | C10517401 | 90 | 96 | 84 |

C' CLAMP (ALL INCLUDE SCREW PACK)

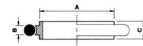


| SIZE | PART No. | DIMENSIONS (mm) | | | | | |
|----------------------|-----------|-----------------|------|-----|----|-----|------|
| | | A | B | C | D | E | F |
| KF 10 Nickel Plated | C11002340 | 59 | 35 | 38 | 45 | 6.3 | 22 |
| KF 25 Nickel Plated | C11004340 | 70 | 44 | 54* | 54 | 8.3 | 25.4 |
| KF 40 316L Stainless | C11005340 | 100 | 73.5 | 79 | 81 | 8.3 | 50 |

KF SEALS BUNA N

ALL OF OUR KF FLANGED FITTINGS ARE MANUFACTURED TO THE INDUSTRY STANDARD DIMENSIONS. THIS ALLOWS BOTH SIMPLE AND COMPLICATED PIPING TO FIT TOGETHER WITH EASE. PRECISION PLUS HAS A WIDE VARIETY OF 'KF' ADAPTORS, SO THAT YOU CAN CONNECT YOUR 'KF' FLANGED PIPEWORK TO OTHER TYPES OF FLANGES.

CENTER RING ASSEMBLY, BUNA N, 304L STAINLESS CARRIER



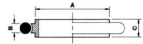
| SIZE | PART No. | DIMENSIONS (mm) | | |
|-------|----------|-----------------|-----|---|
| | | A | B | C |
| KF 10 | 90511396 | 12 | 3.9 | 8 |
| KF 16 | 90512396 | 17 | 3.9 | 8 |
| KF 25 | 90514396 | 26 | 3.9 | 8 |
| KF 40 | 90516396 | 41 | 3.9 | 8 |
| KF 50 | 90517396 | 52 | 3.9 | 8 |

CENTER RING ASSEMBLY, BUNA N, ALUMINUM CARRIER



| SIZE | PART No. | DIMENSIONS (mm) | | |
|-------|-----------|-----------------|-----|---|
| | | A | B | C |
| KF 10 | C10511398 | 12 | 3.9 | 8 |
| KF 16 | C10512398 | 17 | 3.9 | 8 |
| KF 25 | C10514398 | 26 | 3.9 | 8 |
| KF 40 | C10516398 | 41 | 3.9 | 8 |

CENTER RING ASSEMBLY, BUNA N, POLYMER CARRIER



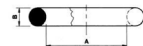
| SIZE | PART No. | DIMENSIONS (mm) | | |
|-------|-----------|-----------------|-----|---|
| | | A | B | C |
| KF 10 | C10511398 | 12 | 3.9 | 8 |
| KF 16 | C10512398 | 17 | 3.9 | 8 |
| KF 25 | C10514398 | 26 | 3.9 | 8 |
| KF 40 | C10516398 | 41 | 3.9 | 8 |

ADAPTING CENTERING RING ASSEMBLY, BUNA N



| SIZE | PART No. | DIMENSIONS (mm) | | | | |
|-----------------------|-----------|-----------------|----|---|-----|----|
| | | A | B | C | D | E |
| KF 10 to 16 Stainless | C10512346 | 10 | 12 | 8 | 3.9 | 17 |
| KF 10 to 16 Polymer | C10512349 | 10 | 12 | 8 | 3.9 | 17 |

O-RING, PACK OF 10, BUNA N



| SIZE | PART No. | DIMENSIONS (mm) | |
|-------|-----------|-----------------|---|
| | | A | B |
| KF 10 | H02124012 | 15 | 5 |
| KF 16 | H02124013 | 18 | 5 |
| KF 25 | H02124015 | 28 | 5 |
| KF 40 | H02124017 | 42 | 5 |
| KF 50 | H02124018 | 50 | 5 |

KF SEALS VITON

ALL OF OUR KF FLANGED FITTINGS ARE MANUFACTURED TO THE INDUSTRY STANDARD DIMENSIONS. THIS ALLOWS BOTH SIMPLE AND COMPLICATED PIPING TO FIT TOGETHER WITH EASE. PRECISION PLUS HAS A WIDE VARIETY OF 'KF' ADAPTORS, SO THAT YOU CAN CONNECT YOUR 'KF' FLANGED PIPEWORK TO OTHER TYPES OF FLANGES.

CENTER RING ASSEMBLY, VITON, 304L STAINLESS CARRIER



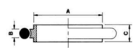
| SIZE | PART No. | DIMENSIONS (mm) | | |
|-------|-----------|-----------------|-----|---|
| | | A | B | C |
| KF 10 | C10511395 | 12 | 3.9 | 8 |
| KF 16 | C10512395 | 17 | 3.9 | 8 |
| KF 25 | C10514395 | 26 | 3.9 | 8 |
| KF 40 | C10516395 | 41 | 3.9 | 8 |
| KF 50 | C10517395 | 52 | 3.9 | 8 |

CENTER RING ASSEMBLY, VITON, ALUMINUM CARRIER



| SIZE | PART No. | DIMENSIONS (mm) | | |
|-------|-----------|-----------------|-----|---|
| | | A | B | C |
| KF 10 | C10511397 | 12 | 3.9 | 8 |
| KF 16 | C10512397 | 17 | 3.9 | 8 |
| KF 25 | C10514397 | 26 | 3.9 | 8 |
| KF 40 | C10516397 | 41 | 3.9 | 8 |

CENTER RING ASSEMBLY, VITON, POLYMER CARRIER



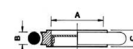
| SIZE | PART No. | DIMENSIONS (mm) | | |
|-------|-----------|-----------------|-----|---|
| | | A | B | C |
| KF 10 | C10511397 | 12 | 3.9 | 8 |
| KF 16 | C10512397 | 17 | 3.9 | 8 |
| KF 25 | C10514397 | 26 | 3.9 | 8 |
| KF 40 | C10516397 | 41 | 3.9 | 8 |

ADAPTING CENTERING RING ASSEMBLY, VITON



| SIZE | PART No. | DIMENSIONS (mm) | | | | |
|---------------------|-----------|-----------------|----|---|-----|----|
| | | A | B | C | D | E |
| KF 10 to 16 316L SS | C10512345 | 10 | 12 | 8 | 3.9 | 17 |
| KF 10 to 16 Polymer | C10512350 | 10 | 12 | 8 | 3.9 | 17 |

CENTERING RING ASSEMBLY W/SCREEN, VITON, 316L STAINLESS CARRIER



| SIZE | PART No. | DIMENSIONS (mm) | | |
|-------|-----------|-----------------|-----|---|
| | | A | B | C |
| KF 16 | C10512085 | 16 | 3.9 | 8 |
| KF 25 | C10514085 | 25 | 3.9 | 8 |
| KF 40 | C10516085 | 40 | 3.9 | 8 |
| KF 50 | C10517085 | 50 | 3.9 | 8 |

KF SEALS VITON (CONT.)

ALL OF OUR KF FLANGED FITTINGS ARE MANUFACTURED TO THE INDUSTRY STANDARD DIMENSIONS. THIS ALLOWS BOTH SIMPLE AND COMPLICATED PIPING TO FIT TOGETHER WITH EASE. PRECISION PLUS HAS A WIDE VARIETY OF 'KF' ADAPTORS, SO THAT YOU CAN CONNECT YOUR 'KF' FLANGED PIPEWORK TO OTHER TYPES OF FLANGES.

CENTERING RING ASSEMBLY w/OPTICAL BAFFLE, VITON, 304L STAINLESS CARRIER



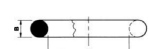
| SIZE | PART No. | DIMENSIONS (mm) | | |
|-------|-----------|-----------------|-----|-----|
| | | A | B | C |
| KF 25 | D02110000 | 26 | 3.9 | 8.5 |

TRAPPED O-RING, VITON, 316L STAINLESS CARRIER



| SIZE | PART No. | DIMENSIONS (mm) | | | | | |
|----------|-----------|-----------------|------|------|---|------|----|
| | | A | B | C | D | E | F |
| KF 10&16 | C10512490 | 32.5 | 27.5 | 30.2 | 7 | 18.5 | 16 |
| KF 25 | C10514490 | 42.5 | 37.5 | 40.2 | 7 | 28.5 | 25 |
| KF 40 | C10516490 | 57.5 | 52 | 55.2 | 7 | 43 | 40 |
| KF 50 | C10517490 | 77.5 | 64.5 | 75.2 | 7 | 55.5 | 50 |

O-RING, PACK OF 5, VITON

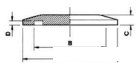


| SIZE | PART No. | DIMENSIONS (mm) | |
|-------|-----------|-----------------|---|
| | | A | B |
| KF 10 | H02124032 | 15 | 5 |
| KF 16 | H02124033 | 18 | 5 |
| KF 25 | H02124035 | 28 | 5 |
| KF 40 | H02124037 | 42 | 5 |
| KF 50 | H02124038 | 50 | 5 |

KF BLANK FLANGES

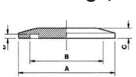
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BLANK FLANGE, 304L STAINLESS



| SIZE | PART No. | DIMENSIONS (mm) | | | |
|-------|----------|-----------------|------|-----|-----|
| | | A | B | C | D |
| | | 12.2 | 6 | 2.5 | |
| KF 16 | 90512366 | 30 | 17.2 | 6 | 2.5 |
| KF 25 | 90514366 | 40 | 26.2 | 6 | 2.5 |
| KF 40 | 90516366 | 55 | 41.2 | 6 | 2.5 |
| KF 50 | 90517366 | 75 | 52.2 | 6 | 2.5 |

BLANK FLANGE, ALUMINUM

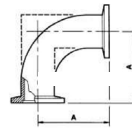


| SIZE | PART No. | DIMENSIONS (mm) | | | |
|-------|-----------|-----------------|------|-----|-----|
| | | A | B | C | D |
| | | 12.2 | 6 | 2.5 | |
| KF 10 | C10511368 | 30 | 12.2 | 6 | 2.5 |
| KF 16 | C10512368 | 30 | 17.2 | 6 | 2.5 |
| KF 25 | C10514368 | 40 | 26.2 | 6 | 2.5 |
| KF 40 | C10516368 | 55 | 41.2 | 6 | 2.5 |

KF ELBOWS & TEES

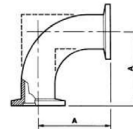
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ELBOW, 90 DEGREES, 304L STAINLESS



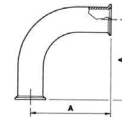
| SIZE | PART No. | DIMENSIONS (mm) |
|-------|----------|-----------------|
| | | A |
| KF 16 | 90512420 | 40 |
| KF 40 | 90516420 | 65 |
| KF 50 | 90517420 | 70 |

ELBOW, 90 DEGREE, ALUMINUM



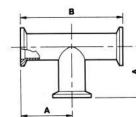
| SIZE | PART No. | DIMENSIONS (mm) |
|-------|-----------|-----------------|
| | | A |
| KF 10 | C10511410 | 30 |
| KF 16 | C10512410 | 40 |
| KF 25 | C10514410 | 50 |
| KF 40 | C10516410 | 65 |

ELBOW, LONG RADIUS, 90 DEGREE, 316L STAINLESS



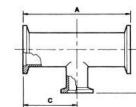
| SIZE | PART No. | DIMENSIONS (mm) |
|-------|-----------|-----------------|
| | | A |
| KF 40 | C10516406 | 130 |
| KF 50 | C10517406 | 140 |

TEE PIECE, 304L STAINLESS



| SIZE | PART No. | DIMENSIONS (mm) | |
|-------|----------|-----------------|-----|
| | | A | B |
| KF 16 | 90512421 | 40 | 80 |
| KF 25 | 90514421 | 50 | 100 |
| KF 40 | 90516421 | 65 | 130 |
| KF 50 | 90517421 | 70 | 140 |

REDUCING TEE PIECE, 316L STAINLESS

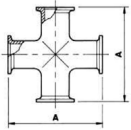


| SIZE | PART No. | DIMENSIONS (mm) | | |
|-------------|-----------|-----------------|----|----|
| | | A | B | C |
| KF 25 to 16 | C10514427 | 100 | 40 | 50 |
| KF 40 to 16 | C10516428 | 130 | 40 | 65 |
| KF 40 to 25 | C10516429 | 130 | 50 | 65 |
| KF 50 to 16 | C10517430 | 140 | 50 | 70 |
| KF 50 to 25 | C10517431 | 140 | 65 | 70 |

KF CROSSES

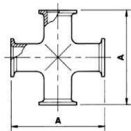
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CROSS, 4-WAY, 304L STAINLESS



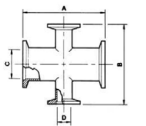
| SIZE | PART No. | DIMENSIONS (mm) | |
|-------|----------|-----------------|---|
| | | A | B |
| KF 16 | 90512422 | 80 | |
| KF 25 | 90514422 | 100 | |
| KF 40 | 90516422 | 130 | |
| KF 50 | 90517422 | 140 | |

CROSS, 4-WAY, ALUMINUM



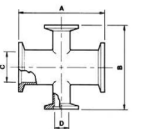
| SIZE | PART No. | DIMENSIONS (mm) | |
|-------|-----------|-----------------|---|
| | | A | B |
| KF 10 | C10511412 | 60 | |
| KF 16 | C10512412 | 80 | |
| KF 25 | C10514412 | 100 | |
| KF 40 | C10516412 | 130 | |

REDUCING CROSS, 316L STAINLESS



| SIZE | PART No. | DIMENSIONS (mm) | | | |
|-------------|-----------|-----------------|-----|------|------|
| | | A | B | C | D |
| KF 25 to 10 | C10514423 | 70 | 70 | 26.2 | 12.2 |
| KF 25 to 16 | C10514424 | 100 | 80 | 26.2 | 17.2 |
| KF 40 to 16 | C10516424 | 130 | 80 | 41.2 | 17.2 |
| KF 40 to 25 | C10516425 | 130 | 100 | 41.2 | 26.2 |
| KF 50 to 25 | C10517425 | 140 | 100 | 52.2 | 26.2 |

REDUCING CROSS, ALUMINUM



| SIZE | PART No. | DIMENSIONS (mm) | | | |
|-------------|-----------|-----------------|----|------|------|
| | | A | B | C | D |
| KF 25 to 10 | C10514413 | 70 | 70 | 26.2 | 12.2 |
| KF 40 to 10 | C10516413 | 80 | 90 | 41.2 | 12.2 |

KF NIPPLES

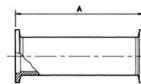
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FULL NIPPLE, 316L STAINLESS



| SIZE | PART No. | DIMENSIONS (mm) | |
|-------|-----------|-----------------|---|
| | | A | B |
| KF 10 | C10511433 | 60 | |
| KF 16 | C10512433 | 80 | |
| KF 25 | C10514433 | 100 | |
| KF 40 | C10516433 | 130 | |
| KF 50 | C10517433 | 140 | |

FULL NIPPLE, ALUMINUM

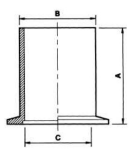


| SIZE | PART No. | DIMENSIONS (mm) | |
|-------|-----------|-----------------|---|
| | | A | B |
| KF 10 | C10511409 | 60 | |
| KF 16 | C10512409 | 80 | |
| KF 25 | C10514409 | 100 | |
| KF 40 | C10516409 | 130 | |

KF WELD STUBS

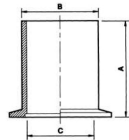
ALL OF OUR KF FLANGED FITTINGS ARE MANUFACTURED TO THE INDUSTRY STANDARD DIMENSIONS. THIS ALLOWS BOTH SIMPLE AND COMPLICATED PIPING TO FIT TOGETHER WITH EASE. PRECISION PLUS HAS A WIDE VARIETY OF 'KF' ADAPTORS, SO THAT YOU CAN CONNECT YOUR 'KF' FLANGED PIPEWORK TO OTHER TYPES OF FLANGES.

LONG WELD STUB, KF TO INCH OD TUBE, 304L STAINLESS



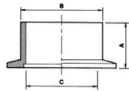
| SIZE | PART No. | DIMENSIONS (mm) | | |
|-------------------------|----------|-----------------|------|------|
| | | A | B | C |
| KF 16 to 3/4" OD Tube | 90504101 | 40 | 19.1 | 15.7 |
| KF 25 to 1" OD Tube | 90504223 | 40 | 25.4 | 22 |
| KF 40 to 1-1/2" OD Tube | 90504324 | 40 | 38.1 | 34.7 |
| KF 50 to 2" OD Tube | 90504351 | 40 | 50.8 | 47.4 |

LONG WELD STUB, KF TO METRIC OD TUBE, 304L STAINLESS



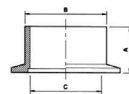
| SIZE | PART No. | DIMENSIONS (mm) | | |
|-------------------------|----------|-----------------|------|----|
| | | A | B | C |
| KF 16 to 20mm OD Tube | 90512316 | 70 | 20 | 16 |
| KF 25 to 28mm OD Tube | 90514316 | 70 | 28 | 24 |
| KF 40 to 44.5mm OD Tube | 90516616 | 70 | 44.5 | 40 |
| KF 50 to 57mm OD Tube | 90517316 | 70 | 57 | 50 |

SHORT WELD STUB, KF TO INCH OD TUBE, 304L STAINLESS



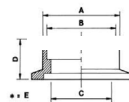
| SIZE | PART No. | DIMENSIONS (mm) | | |
|-------------------------|----------|-----------------|------|------|
| | | A | B | C |
| KF 25 to 1" OD Tube | 90504222 | 12.7 | 25.4 | 22 |
| KF 40 to 1-1/2" OD Tube | 90504323 | 19.1 | 38.1 | 34.7 |
| KF 50 to 2" OD Tube | 90504350 | 19.1 | 50.8 | 47.4 |

SHORT WELD STUB, KF TO METRIC OD TUBE, 304L STAINLESS



| SIZE | PART No. | DIMENSIONS (mm) | | |
|-------------------------|----------|-----------------|------|----|
| | | A | B | C |
| KF 25 to 28mm OD Tube | 90514311 | 30 | 28 | 24 |
| KF 40 to 44.5mm OD Tube | 90516611 | 30 | 44.5 | 40 |
| KF 50 to 57mm OD Tube | 90517311 | 30 | 57 | 50 |

SOCKET WELD STUB, KF TO INCH OD TUBE, 304L STAINLESS

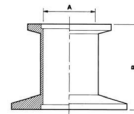


| SIZE | PART No. | DIMENSIONS (mm) | | | | |
|-------------------------|----------|-----------------|------|------|------|------|
| | | A | B | C | D | E |
| KF 40 to 1-1/2" OD Tube | 90504325 | 44.5 | 38.6 | 34.9 | 12.7 | 38.1 |

KF REDUCERS

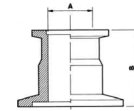
ALL OF OUR KF FLANGED FITTINGS ARE MANUFACTURED TO THE INDUSTRY STANDARD DIMENSIONS. THIS ALLOWS BOTH SIMPLE AND COMPLICATED PIPING TO FIT TOGETHER WITH EASE. PRECISION PLUS HAS A WIDE VARIETY OF 'KF' ADAPTORS, SO THAT YOU CAN CONNECT YOUR 'KF' FLANGED PIPEWORK TO OTHER TYPES OF FLANGES.

REDUCER, NON-CONICAL, 304L STAINLESS



| SIZE | PART No. | DIMENSIONS (mm) | |
|-------------|----------|-----------------|----|
| | | A | B |
| KF 25 to 10 | 90514446 | 16 | 28 |
| KF 25 to 16 | 90514447 | 16 | 28 |
| KF 40 to 16 | 90516448 | 16 | 28 |
| KF 40 to 25 | 90516449 | 24 | 28 |
| KF 50 to 25 | 90517051 | 24 | 40 |
| KF 50 to 40 | 90517452 | 40 | 28 |

REDUCER, NON-CONICAL, ALUMINUM

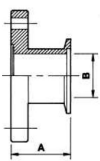


| SIZE | PART No. | DIMENSIONS (mm) | |
|-------------|-----------|-----------------|----|
| | | A | B |
| KF 25 to 10 | C10514436 | 10 | 40 |
| KF 25 to 16 | C10514437 | 10 | 40 |
| KF 40 to 16 | C10516438 | 16 | 40 |
| KF 40 to 25 | C10516439 | 24 | 40 |
| KF 50 to 16 | C10517040 | 16 | 40 |
| KF 50 to 25 | C10517043 | 24 | 40 |
| KF 50 to 40 | C10517041 | 41 | 40 |

KF ADAPTORS

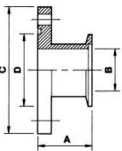
ALL OF OUR KF FLANGED FITTINGS ARE MANUFACTURED TO THE INDUSTRY STANDARD DIMENSIONS. THIS ALLOWS BOTH SIMPLE AND COMPLICATED PIPING TO FIT TOGETHER WITH EASE. PRECISION PLUS HAS A WIDE VARIETY OF 'KF' ADAPTORS, SO THAT YOU CAN CONNECT YOUR 'KF' FLANGED PIPEWORK TO OTHER TYPES OF FLANGES.

ADAPTOR, KF TO CF, 316L STAINLESS



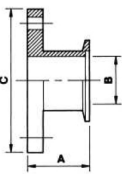
| SIZE | PART No. | DIMENSIONS (mm) | |
|--------------------|-----------|-----------------|------|
| | | A | B |
| KF 16 to 1-1/3" CF | C10503104 | 52.7 | 15.8 |
| KF 16 to 2-3/4" CF | C10503105 | 45.3 | 15.8 |
| KF 25 to 2-3/4" CF | C10503207 | 45.3 | 22 |
| KF 40 to 2-3/4" CF | C10503305 | 45.3 | 40 |
| KF 50 to 4-1/2" CF | C10503405 | 49.5 | 50 |

ADAPTOR, KF TO ASA, WITH O-RING GROOVE, 316L STAINLESS



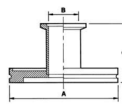
| SIZE | PART No. | DIMENSIONS (mm) | | | |
|---------------------|-----------|-----------------|----|-----|------|
| | | A | B | C | D |
| KF 40 to 1-1/2" ASA | C10503309 | 46 | 40 | 127 | 67.6 |
| KF 40 to 2" ASA | C10503310 | 46 | 40 | 152 | 86.9 |
| KF 40 to 3" ASA | C10503311 | 46 | 40 | 190 | 118 |
| KF 50 to 1-1/2" ASA | C10503409 | 46 | 50 | 127 | 67.9 |
| KF 50 to 2" ASA | C10503410 | 46 | 50 | 152 | 86.9 |
| KF 50 to 3" ASA | C10503411 | 46 | 50 | 190 | 119 |

ADAPTOR, KF TO ASA, NO O-RING GROOVE, 316L STAINLESS



| SIZE | PART No. | DIMENSIONS (mm) | | |
|---------------------|-----------|-----------------|----|-----|
| | | A | B | C |
| KF 40 to 1-1/2" ASA | C10503303 | 46 | 40 | 127 |
| KF 40 to 2" ASA | C10503300 | 46 | 40 | 152 |
| KF 40 to 3" ASA | C10503301 | 46 | 40 | 190 |
| KF 50 to 1-1/2" ASA | C10503403 | 46 | 40 | 127 |
| KF 50 to 2" ASA | C10503400 | 46 | 50 | 152 |
| KF 50 to 3" ASA | C10503401 | 46 | 50 | 190 |

ADAPTOR, KF TO ISO-K (COLLAR ROTATABLE) 304L STAINLESS

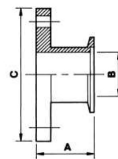


| SIZE | PART No. | DIMENSIONS (mm) | | |
|--------------------|----------|-----------------|------|-----|
| | | A | B | C |
| KF 25 to ISO 63-K | 90007115 | 95 | 22.1 | 50 |
| KF 40 to ISO 63-K | 90007116 | 95 | 34.8 | 50 |
| KF 40 to ISO 80-K | 90008002 | 110 | 41 | 118 |
| KF 50 to ISO 80-K | 90008003 | 110 | 51 | 118 |
| KF 50 to ISO 100-K | 90008123 | 130 | 51 | 50 |

KF ADAPTORS (CONT.)

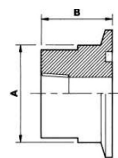
ALL OF OUR KF FLANGED FITTINGS ARE MANUFACTURED TO THE INDUSTRY STANDARD DIMENSIONS. THIS ALLOWS BOTH SIMPLE AND COMPLICATED PIPING TO FIT TOGETHER WITH EASE. PRECISION PLUS HAS A WIDE VARIETY OF 'KF' ADAPTORS, SO THAT YOU CAN CONNECT YOUR 'KF' FLANGED PIPEWORK TO OTHER TYPES OF FLANGES.

ADAPTOR, KF TO ISO-F (BOLTED NON-ROTATABLE) 316L STAINLESS



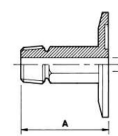
| SIZE | PART No. | DIMENSIONS (mm) | | |
|-------------------|-----------|-----------------|----|-----|
| | | A | B | C |
| KF 40 to ISO 40-F | A1516 | 69 | 40 | 100 |
| KF 40 to ISO 63-F | A1448 | 68 | 40 | 130 |
| KF 50 to ISO 40-F | C10005080 | 50 | 41 | 100 |
| KF 50 to ISO 63-F | A1509 | 50 | 50 | 130 |
| Bolt Kit, ISO-F | 515000 | | | |

ADAPTOR, KF TO FNPT (NPT FEMALE) 304L STAINLESS



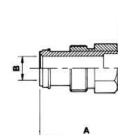
| SIZE | PART No. | DIMENSIONS (mm) | |
|--------------------|----------|-----------------|------|
| | | A | B |
| KF 16 to 1/4" FNPT | 90501107 | 20 | 19.1 |
| KF 25 to 1/8" FNPT | 90501223 | 28 | 19.1 |
| KF 25 to 1/4" FNPT | 90501224 | 28 | 19.1 |
| KF 40 to 1/8" FNPT | 90501309 | 45 | 25.4 |
| KF 40 to 1/4" FNPT | 90501310 | 45 | 25.4 |

ADAPTOR, KF TO MNPT (NPT MALE) 304L STAINLESS



| SIZE | PART No. | DIMENSIONS (mm) | |
|-------------------|----------|-----------------|------|
| | | A | B |
| KF25 to 1/8" MNPT | 90501217 | 40 | 4.7 |
| KF25 to 1/4" MNPT | 90501218 | 50 | 7.1 |
| KF25 to 1/2" MNPT | 90501219 | 75 | 11.9 |
| KF25 to 3/4" MNPT | 90501220 | 75 | 15.9 |
| KF40 to 1/2" MNPT | 90501304 | 75 | 11.9 |
| KF40 to 3/4" MNPT | 90501305 | 75 | 15.9 |
| KF40 to 1" MNPT | 90501306 | 75 | 25 |

ADAPTOR, KF TO VCR(M) (VCR MALE) 316L STAINLESS

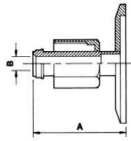


| SIZE | PART No. | DIMENSIONS (mm) | |
|---------------------|-----------|-----------------|------|
| | | A | B |
| KF16 to 1/4" VCR(M) | C10501108 | 35.6 | 4.8 |
| KF16 to 1/2" VCR(M) | C10501110 | 41.4 | 10.4 |
| KF25 to 1/4" VCR(M) | C10501225 | 35.6 | 4.8 |
| KF25 to 1/2" VCR(M) | C10501227 | 40.6 | 10.4 |
| KF25 to 3/4" VCR(M) | C10501229 | 54.4 | 15.7 |
| KF40 to 1/4" VCR(M) | C10501311 | 35.6 | 4.8 |
| KF40 to 1/2" VCR(M) | C10501313 | 40.6 | 10.4 |
| KF40 to 3/4" VCR(M) | C10501315 | 53.3 | 15.7 |
| KF50 to 1/4" VCR(M) | C10501508 | 35.6 | 4.8 |
| KF50 to 1/2" VCR(M) | C10501510 | 40.6 | 10.4 |
| KF50 to 3/4" VCR(M) | C10501512 | 53.3 | 15.7 |

KF ADAPTORS (CONT.)

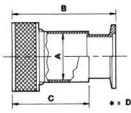
ALL OF OUR KF FLANGED FITTINGS ARE MANUFACTURED TO THE INDUSTRY STANDARD DIMENSIONS. THIS ALLOWS BOTH SIMPLE AND COMPLICATED PIPING TO FIT TOGETHER WITH EASE. PRECISION PLUS HAS A WIDE VARIETY OF 'KF' ADAPTORS, SO THAT YOU CAN CONNECT YOUR 'KF' FLANGED PIPEWORK TO OTHER TYPES OF FLANGES.

ADAPTOR, KF TO VCR(F) (VCR FEMALE) 316L STAINLESS



| SIZE | PART No. | DIMENSIONS (mm) | |
|---------------------|-----------|-----------------|------|
| | | A | B |
| KF16 to 1/4" VCR(F) | C10501109 | 35.6 | 4.8 |
| KF16 to 1/2" VCR(F) | C10501111 | 41.4 | 10.4 |
| KF25 to 1/4" VCR(F) | C10501226 | 35.6 | 4.8 |
| KF25 to 1/2" VCR(F) | C10501228 | 40.6 | 10.4 |
| KF25 to 3/4" VCR(F) | C10501230 | 54.4 | 15.7 |

ADAPTOR, KF TO GAUGE TUBE & COMPRESSION O-RING, 316L STAINLESS



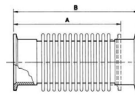
D = Tube O.D. in mm
E = Tube O.D. in inches

| SIZE | PART No. | DIMENSIONS (mm) | | | |
|----------------------|-----------|-----------------|------|------|------|
| | | A | B | C | D |
| KF10 to 1/2" OD Tube | C10502001 | 13.1 | 50 | 33 | 12.7 |
| KF16 to 1/4" OD Tube | C10502101 | 6.7 | 32 | 33 | 6.4 |
| KF16 to 1/2" OD Tube | C10502102 | 13.1 | 50 | 33 | 12.7 |
| KF16 to 3/4" OD Tube | C10502103 | 19.4 | 56 | 40 | 19.1 |
| KF25 to 1/2" OD Tube | C10502201 | 13.1 | 50 | 33 | 12.7 |
| KF25 to 3/4" OD Tube | C10502202 | 19.4 | 58 | 40 | 19.1 |
| KF25 to 1" OD Tube | C10502203 | 25.8 | 62 | 46 | 25.4 |
| KF40 to 1/2" OD Tube | C10502300 | 13.1 | 58 | 33 | 12.7 |
| KF40 to 3/4" OD Tube | C10502301 | 19.4 | 63.5 | 40 | 19.1 |
| KF40 to 1" OD Tube | C10502302 | 25.8 | 71 | 46 | 25.4 |
| KF40 to 1-1/8" OD Tu | C10502303 | 29 | 74 | 49 | 28.6 |
| KF40 to 1-1/2" OD Tu | C10502304 | 38.4 | 84 | 63.5 | 38.1 |
| KF50 to 3/4" OD Tube | C10502400 | 19.4 | 63.5 | 40 | 19.1 |
| KF50 to 1" OD Tube | C10502401 | 25.8 | 71 | 46 | 25.4 |
| KF50 1-1/8" OD Tube | C10502402 | 29 | 74 | 49 | 28.6 |
| KF50 to 1-1/2" OD Tu | C10502403 | 38.4 | 87 | 63.5 | 38.1 |
| KF50 to 2" OD Tube | C10502404 | 51.1 | 87 | 66 | 50.8 |

KF BELLOWS

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FLEXIBLE BELLOWS, KF X 123MM LONG, 316L STAINLESS

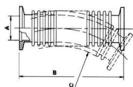


| SIZE | PART No. | DIMENSIONS (mm) | |
|-------|-----------|-----------------|-----|
| | | A | B |
| KF 10 | C10511670 | 102 | 123 |
| KF 16 | C10512670 | 102 | 123 |
| KF 25 | C10514670 | 102 | 123 |
| KF 40 | C10516670 | 102 | 123 |
| KF 50 | C10517670 | 102 | 123 |

KF FLEXIBLE PIPELINES

ALL OF OUR KF FLANGED FITTINGS ARE MANUFACTURED TO THE INDUSTRY STANDARD DIMENSIONS. THIS ALLOWS BOTH SIMPLE AND COMPLICATED PIPING TO FIT TOGETHER WITH EASE. PRECISION PLUS HAS A WIDE VARIETY OF 'KF' ADAPTORS, SO THAT YOU CAN CONNECT YOUR 'KF' FLANGED PIPEWORK TO OTHER TYPES OF FLANGES.

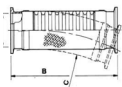
FLEXIBLE PIPELINE, KF, 316L STAINLESS



C = Min. bend radius, static
D = Min. bend radius, dynamic
E = Max. operating pressure, bar gauge

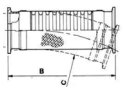
| SIZE | PART No. | DIMENSIONS (mm) | | | |
|--------------------|-----------|-----------------|----|-----|-----|
| | | A | B | C | D |
| KF10 x 250mm Long | C10511285 | 12.2 | 30 | 100 | 2.3 |
| KF10 x 500mm Long | C10511286 | 12.2 | 30 | 100 | 2.3 |
| KF10 x 750mm Long | C10511300 | 12.2 | 30 | 100 | 2.3 |
| KF10 x 1000mm Long | C10511287 | 12.2 | 30 | 100 | 2.3 |
| KF16 x 250mm Long | C10512285 | 17.2 | 30 | 130 | 1.8 |
| KF16 x 500mm Long | C10512286 | 17.2 | 30 | 130 | 1.8 |
| KF16 x 750mm Long | C10512300 | 17.2 | 30 | 130 | 1.8 |
| KF16 x 1000mm Long | C10512287 | 17.2 | 30 | 130 | 1.8 |
| KF25 x 250mm Long | C10514285 | 26.2 | 50 | 210 | 1.0 |
| KF25 x 500mm Long | C10514286 | 26.2 | 50 | 210 | 1.0 |
| KF25 x 750mm Long | C10514300 | 26.2 | 50 | 210 | 1.0 |
| KF25 x 1000mm Long | C10514287 | 26.2 | 50 | 210 | 1.0 |

FLEXIBLE PIPELINE, KF, 316L STAINLESS



| SIZE | PART No. | DIMENSIONS (mm) | | | | |
|--------------------|-----------|-----------------|------|-----|-----|-----|
| | | A | B | C | D | E |
| KF40 x 250mm Long | C10516285 | 41.2 | 250 | 80 | 260 | 0.7 |
| KF40 x 500mm Long | C10516286 | 41.2 | 500 | 80 | 260 | 0.7 |
| KF40 x 750mm Long | C10516300 | 41.2 | 750 | 80 | 260 | 0.7 |
| KF40 x 1000mm Long | C10516287 | 41.2 | 1000 | 80 | 260 | 0.7 |
| KF50 x 250mm Long | C10517285 | 52.2 | 250 | 100 | 320 | 0.5 |
| KF50 x 500mm Long | C10517286 | 52.2 | 500 | 100 | 320 | 0.5 |
| KF50 x 750mm Long | C10517300 | 52.2 | 750 | 100 | 320 | 0.5 |
| KF50 x 1000mm Long | C10517287 | 52.2 | 1000 | 100 | 320 | 0.5 |

BRAIDED FLEXIBLE EXHAUST PIPELINE, KF, 316L STAINLESS



| SIZE | PART No. | DIMENSIONS (mm) | | | | |
|--------------------|-----------|-----------------|------|-----|-----|------|
| | | A | B | C | D | E |
| KF25 x 135mm Long | C10514294 | 26.2 | 135 | 50 | 320 | 10.0 |
| KF25 x 250mm Long | C10514295 | 26.2 | 250 | 50 | 320 | 10.0 |
| KF25 x 500mm Long | C10514296 | 26.2 | 500 | 50 | 320 | 10.0 |
| KF25 x 1000mm Long | C10514297 | 26.2 | 1000 | 50 | 320 | 10.0 |
| KF40 x 135mm Long | C10516294 | 41.2 | 135 | 80 | 400 | 10.0 |
| KF40 x 250mm Long | C10516295 | 41.2 | 250 | 80 | 400 | 10.0 |
| KF40 x 500mm Long | C10516296 | 41.2 | 500 | 80 | 400 | 10.0 |
| KF40 x 1000mm Long | C10516297 | 41.2 | 1000 | 80 | 400 | 10.0 |
| KF50 x 135mm Long | C10517294 | 52.2 | 135 | 100 | 450 | 10.0 |
| KF50 x 250mm Long | C10517295 | 52.2 | 250 | 100 | 450 | 10.0 |
| KF50 x 500mm Long | C10517296 | 52.2 | 500 | 100 | 450 | 10.0 |
| KF50 x 1000mm Long | C10517297 | 52.2 | 1000 | 100 | 450 | 10.0 |

KF MISC.

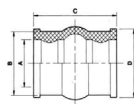
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OPTICAL VIEWPORT, KF, 316L STAINLESS



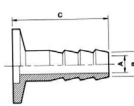
| SIZE | PART No. | DIMENSIONS (mm) |
|-------|-----------|-----------------|
| | | A |
| KF 40 | C10516407 | 23.6 |
| KF 50 | C10517407 | 31.8 |

MOLDED SLEEVE, KF, NEOPRENE



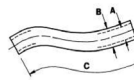
| SIZE | PART No. | DIMENSIONS (mm) | | | |
|----------------------|-----------|-----------------|----|----|----|
| | | A | B | C | D |
| KF10 to 1/2" OD Tube | C26501002 | 13 | 21 | 38 | 23 |
| KF25 to 1" OD Tube | C26501004 | 27 | 36 | 55 | 38 |

NOZZLE, KF TO 12MM ID TUBING, ALUMINUM



| SIZE | PART No. | DIMENSIONS (mm) | | |
|----------------|-----------|-----------------|----|---|
| | | A | B | C |
| KF10 x 12mm ID | C10511645 | 7 | 40 | |
| KF25 x 12mm ID | C10514645 | 7 | 40 | |
| KF40 x 12mm ID | C10516645 | 7 | 40 | |

TUBE, NEOPRENE RUBBER, 1000MM CUT LENGTH (1 METER)



| SIZE | PART No. | DIMENSIONS (mm) | | |
|-------------------|-----------|-----------------|---|---|
| | | A | B | C |
| 5mm ID x 19 mm OD | H02100002 | 1000 / 1 metre | | |
| 7mm ID x 17 OD | H02100003 | 1000 | | |
| 9mm ID x 25mm OD | H02100004 | 1000 | | |
| 12mm ID x 28mm OD | H02100005 | 1000 | | |
| 20mm ID x 34mm OD | H02100006 | 1000 | | |

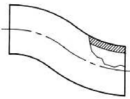
KF HOSES

ALL OF OUR KF FLANGED FITTINGS ARE MANUFACTURED TO THE INDUSTRY STANDARD DIMENSIONS. THIS ALLOWS BOTH SIMPLE AND COMPLICATED PIPING TO FIT TOGETHER WITH EASE. PRECISION PLUS HAS A WIDE VARIETY OF 'KF' ADAPTORS, SO THAT YOU CAN CONNECT YOUR 'KF' FLANGED PIPEWORK TO OTHER TYPES OF FLANGES.

HOSE, NEOPRENE RUBBER, REINFORCED - 305MM CUT LENGTH (1 FOOT)

| SIZE | PART No. | DIMENSIONS (mm) | | |
|-------------------|-----------|-----------------|---|---|
| | | A | B | C |
| 25mm ID x 32mm OD | C06600025 | 305 / 1 foot | | |

HOSE, REINFORCED PVC - PER FOOT LENGTH

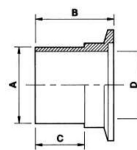


| SIZE | PART No. |
|----------------|-----------|
| 1/2" ID Tube | A63012220 |
| 3/4" ID Tube | U30002173 |
| 1" ID Tube | A63012343 |
| 1-1/2" ID Tube | U30000484 |
| 2" ID Tube | U30003837 |

KF HOSE ADAPTORS & CLAMPS

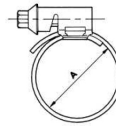
ALL OF OUR KF FLANGED FITTINGS ARE MANUFACTURED TO THE INDUSTRY STANDARD DIMENSIONS. THIS ALLOWS BOTH SIMPLE AND COMPLICATED PIPING TO FIT TOGETHER WITH EASE. PRECISION PLUS HAS A WIDE VARIETY OF 'KF' ADAPTORS, SO THAT YOU CAN CONNECT YOUR 'KF' FLANGED PIPEWORK TO OTHER TYPES OF FLANGES.

ADAPTOR, KF TO PVC HOSE, 316L STAINLESS



| SIZE | PART No. | DIMENSIONS (mm) | | | |
|----------------------|-----------|-----------------|------|------|------|
| | | A | B | C | D |
| KF10 to 1/2" ID Hose | C10504081 | 12.7 | 32 | 20 | 12.7 |
| KF16 to 1/2" ID Hose | C10504104 | 12.7 | 32 | 20 | 12.7 |
| KF16 to 3/4" ID Hose | C10504105 | 19.1 | 32 | 20 | 19.1 |
| KF25 to 1" ID Hose | C10504225 | 25.4 | 38.1 | 26 | 25.4 |
| KF40 to 1-1/2" ID Ho | C10504326 | 38.1 | 50 | 38.1 | 38.1 |
| KF50 to 2" ID Hose | C10504352 | 47.4 | 55 | 41 | 50.8 |

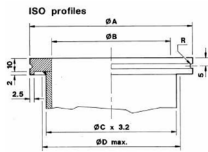
CLAMP, PVC HOSE, STAINLESS STEEL



| SIZE | PART No. | DIMENSIONS (mm) |
|----------|-----------|-----------------|
| | | A |
| KF 10/16 | C10512408 | 25 |
| KF 25 | C10514408 | 36 |
| KF 40 | C10516408 | 50 |
| KF 50 | C10517408 | 60 |

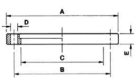
ISO FLANGE KITS & CLAMPS

PRECISION PLUS OFFERS THE ISO-K ROTATABLE COLLAR FLANGE AS OUR STANDARD. THIS FLANGE EASILY CONNECTS WITH THE ISO-F BOLTED FLANGE USING A VARIETY OF CLAW CLAMS OR A ROTATABLE FLANGE KIT. WE ALSO OFFER A VARIETY OF ADAPTORS SO YOU CAN CONNECT YOUR 'ISO' PIPEWORK TO OTHER TYPE FLANGES. ISO-K COLLAR ROTATABLE FLANGE.



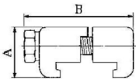
| SIZE | DIMENSIONS (mm) | | | |
|-----------|-----------------|-----|---------------|-----|
| | A | B | C | R |
| ISO 63-K | 95 | 70 | 76.1mm / 3" | 1.5 |
| ISO 80-K | 110 | 83 | 88.9mm / 3.5" | 1.5 |
| ISO 100-K | 130 | 102 | 114.3mm / 4" | 1.5 |
| ISO 160-K | 180 | 153 | 160.3mm / 6" | 2.5 |

ROTATABLE FLANGE KIT, ISO-K (COLLAR ROTATABLE) TO ISO-F (BOLTED) OR ISO-K TO ISO-K, 304L STAINLESS



| SIZE | PART No. | DIMENSIONS (mm) | | | | |
|-----------|----------|-----------------|-----|-------|-----|----|
| | | A | B | C | D | E |
| ISO 63-K | 90007010 | 130 | 110 | 95.6 | 9x4 | 12 |
| ISO 80-K | 90008012 | 145 | 125 | 110 | 9x4 | 12 |
| ISO 100-K | 90009010 | 165 | 145 | 130.6 | 9x4 | 12 |

DOUBLE CLAW CLAMP, ISO-K (COLLAR ROTATABLE) ALUMINUM

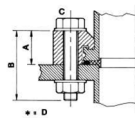


| SIZE | PART No. | DIMENSIONS (mm) | | | BOLT |
|------------------|----------|-----------------|------|----|------|
| | | A | B | C | |
| ISO 63-K qty 4-8 | 90007090 | 24.1 | 50.3 | M8 | BOLT |
| ISO 80-K qty 4-8 | 90007090 | 24.1 | 50.3 | M8 | BOLT |
| ISO 100-K qty 4 | 90007090 | 24.1 | 50.3 | M8 | BOLT |

ISO CLAMPS (CONT.)

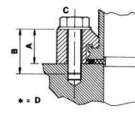
PRECISION PLUS OFFERS THE ISO-K ROTATABLE COLLAR FLANGE AS OUR STANDARD. THIS FLANGE EASILY CONNECTS WITH THE ISO-F BOLTED FLANGE USING A VARIETY OF CLAW CLAMS OR A ROTATABLE FLANGE KIT. WE ALSO OFFER A VARIETY OF ADAPTORS SO YOU CAN CONNECT YOUR 'ISO' PIPEWORK TO OTHER TYPE FLANGES. ISO-K COLLAR ROTATABLE FLANGE.

HALF CLAW CLAMP, ISO-K (COLLAR ROTATABLE) ZINC PLATED STEEL, USE WITH CENTERING RING & CLEAR (THRU) HOLES



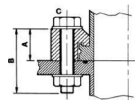
| SIZE | PART No. | DIMENSIONS (mm) | | | |
|-----------|-----------|-----------------|----|-----|---|
| | | A | B | C | D |
| ISO 63-K | C10007150 | 22.5 | 35 | M8 | 4 |
| ISO 80-K | C10007150 | 22.5 | 35 | M8 | 4 |
| ISO 100-K | C10007150 | 22.5 | 35 | M8 | 4 |
| ISO 160-K | C10011150 | 23 | 40 | M10 | 8 |
| ISO 200-K | C10011150 | 23 | 40 | M12 | 8 |
| ISO 250-K | C10011150 | 23 | 40 | M12 | 8 |

HALF CLAW CLAMP, ISO-K (COLLAR ROTATABLE) ZINC PLATED STEEL, USE WITH CENTERING RING & TAPPED HOLES



| SIZE | PART No. | DIMENSIONS (mm) | | | |
|-----------|-----------|-----------------|----|-----|---|
| | | A | B | C | D |
| ISO 63-K | C10007151 | 22.5 | 35 | M8 | 4 |
| ISO 80-K | C10007151 | 22.5 | 35 | M8 | 4 |
| ISO 100-K | C10007151 | 22.5 | 35 | M8 | 4 |
| ISO 160-K | C10011151 | 22.5 | 35 | M10 | 8 |
| ISO 200-K | C10011151 | 22.5 | 35 | M12 | 8 |
| ISO 250-K | C10011151 | 22.5 | 35 | M12 | 8 |

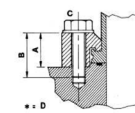
HALF CLAW CLAMP, ISO-K (COLLAR ROTATABLE) ZINC PLATED STEEL, USE WITH O-RING GROOVE & CLEAR (THRU) HOLES



| SIZE | PART No. | DIMENSIONS (mm) | | | |
|-----------|-----------|-----------------|----|----|---|
| | | A | B | C | D |
| ISO 63-K | C10007149 | 18.6 | 45 | M8 | 4 |
| ISO 100-K | C10007149 | 18.6 | 45 | M8 | 8 |

D = Qty required

HALF CLAW CLAMP, ISO-K (COLLAR ROTATABLE) ZINC PLATED STEEL, USE WITH O-RING GROOVE & TAPPED HOLES



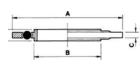
| SIZE | PART No. | DIMENSIONS (mm) | | | |
|-----------|-----------|-----------------|----|-----|---|
| | | A | B | C | D |
| ISO 63-K | C10007093 | 20.6 | 35 | M8 | 4 |
| ISO 80-K | C10007093 | 20.6 | 35 | M8 | 4 |
| ISO 100-K | C10007093 | 20.6 | 35 | M8 | 4 |
| ISO 160-K | C10011093 | 24 | 40 | M10 | 8 |
| ISO 200-K | C10011093 | 24 | 40 | M12 | 8 |
| ISO 250-K | C10011093 | 24 | 40 | M12 | 8 |

D = Qty required

ISO SEALS BUNA N

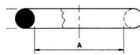
PRECISION PLUS OFFERS THE ISO-K ROTATABLE COLLAR FLANGE AS OUR STANDARD. THIS FLANGE EASILY CONNECTS WITH THE ISO-F BOLTED FLANGE USING A VARIETY OF CLAW CLAMS OR A ROTATABLE FLANGE KIT. WE ALSO OFFER A VARIETY OF ADAPTORS SO YOU CAN CONNECT YOUR 'ISO' PIPEWORK TO OTHER TYPE FLANGES. ISO-K COLLAR ROTATABLE FLANGE.

TRAPPED O-RING, BUNA, 304L S/S CENTER, AL OUTER RING



| SIZE | PART No. | DIMENSIONS (mm) | | | |
|---------|----------|------------------|---|---|---|
| | | A | B | C | D |
| ISO 40 | 97158175 | | | | |
| ISO 63 | 97158176 | CALL FOR DETAILS | | | |
| ISO 80 | 97158169 | | | | |
| ISO 100 | 97158177 | | | | |

O-RING, BUNA



| SIZE | PART No. | DIMENSIONS (mm) | |
|---------------------|-----------|-----------------|------|
| | | A | B |
| ISO 63 (Pack of 5) | H02105052 | 75.6 | 5.3 |
| ISO 80 (Pack of 2) | H02105185 | 89.7 | 5.3 |
| ISO 100 (Pack of 2) | H02105062 | 107.3 | 5.3 |
| ISO 160 (Pack of 1) | H02105223 | 155.6 | 6.99 |

ISO SEALS VITON

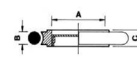
PRECISION PLUS OFFERS THE ISO-K ROTATABLE COLLAR FLANGE AS OUR STANDARD. THIS FLANGE EASILY CONNECTS WITH THE ISO-F BOLTED FLANGE USING A VARIETY OF CLAW CLAMS OR A ROTATABLE FLANGE KIT. WE ALSO OFFER A VARIETY OF ADAPTORS SO YOU CAN CONNECT YOUR 'ISO' PIPEWORK TO OTHER TYPE FLANGES. ISO-K COLLAR ROTATABLE FLANGE.

CENTERING RING ASSEMBLY, VITON, 316L STAINLESS



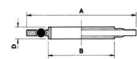
| SIZE | PART No. | DIMENSIONS (mm) | | |
|---------|-----------|-----------------|-----|---|
| | | A | B | C |
| ISO 63 | C10007174 | 70 | 3.9 | 8 |
| ISO 80 | C10008174 | 83 | 3.9 | 8 |
| ISO 100 | C10009174 | 102 | 3.9 | 8 |
| ISO 160 | C10011174 | 153 | 3.9 | 8 |

CENTERING RING WITH SCREEN, VITON, 316L STAINLESS



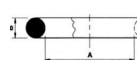
| SIZE | PART No. | DIMENSIONS (mm) | | |
|---------|-----------|-----------------|-----|---|
| | | A | B | C |
| ISO 63 | C10521085 | 70 | 3.9 | 8 |
| ISO 80 | C10522085 | 83 | 3.9 | 8 |
| ISO 100 | C10523085 | 102 | 3.9 | 8 |
| ISO 160 | C10524085 | 153 | 3.9 | 8 |

TRAPPED O-RING, VITON, 316L STAINLESS CENTER, ALUMINUM OUTER RING



| SIZE | PART No. | DIMENSIONS (mm) | | | |
|---------|-----------|-----------------|-----|-----|---|
| | | A | B | C | D |
| ISO 40 | B27158165 | 63 | 41 | 3.9 | 8 |
| ISO 63 | B27158170 | 95 | 70 | 3.9 | 8 |
| ISO 80 | B27158181 | 109 | 83 | 3.9 | 8 |
| ISO 100 | B27158171 | 128 | 102 | 3.9 | 8 |
| ISO 160 | B27158172 | 179 | 153 | 3.9 | 8 |

O-RING, VITON

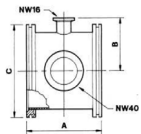


| SIZE | PART No. | DIMENSIONS (mm) | |
|---------|-----------|-----------------|------|
| | | A | B |
| ISO 63 | H02106052 | 75.6 | 5.3 |
| ISO 80 | H02106185 | 89.7 | 5.3 |
| ISO 100 | H02106062 | 107.3 | 5.3 |
| ISO 160 | H02106223 | 155.6 | 6.99 |

ISO MISC.

PRECISION PLUS OFFERS THE ISO-K ROTATABLE COLLAR FLANGE AS OUR STANDARD. THIS FLANGE EASILY CONNECTS WITH THE ISO-F BOLTED FLANGE USING A VARIETY OF CLAW CLAMS OR A ROTATABLE FLANGE KIT. WE ALSO OFFER A VARIETY OF ADAPTORS SO YOU CAN CONNECT YOUR 'ISO' PIPEWORK TO OTHER TYPE FLANGES. ISO-K COLLAR ROTATABLE FLANGE.

CONNECTOR w/TWO LATERAL FLANGES, 316L STAINLESS ISO-K (COLLAR ROTATABLE) TO KF



| SIZE | PART No. | DIMENSIONS (mm) | | |
|-----------|-----------|-----------------|-----|-----|
| | | A | B | C |
| ISO 63-K | C10007215 | 88 | 60 | 95 |
| ISO 100-K | C10009215 | 108 | 75 | 130 |
| ISO 160-K | C10011215 | 138 | 100 | 180 |

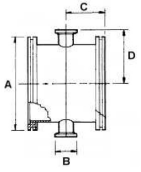
Lateral ports are NW 16 and NW 40, one each, as shown on drawing.

NIPPLE, ISO-K (COLLAR ROTATABLE) 316L STAINLESS



| SIZE | PART No. | DIMENSIONS (mm) |
|-----------|-----------|-----------------|
| | | A |
| ISO 63-K | C10007140 | 176 |
| ISO 80-K | C10008022 | 196 |
| ISO 100-K | C10009160 | 216 |

REDUCING CROSS, ISO-K (COLLAR ROTATABLE) TO KF, 316L STAINLESS



| SIZE | PART No. | DIMENSIONS (mm) | | | |
|-------------------|-----------|-----------------|----|-----|-----|
| | | A | B | C | D |
| ISO 63-K to KF16 | C10007230 | 95 | 30 | 102 | 58 |
| ISO 63-K to KF25 | C10007231 | 95 | 40 | 102 | 79 |
| ISO 63-K to KF40 | C10007232 | 95 | 55 | 102 | 76 |
| ISO 63-K to KF50 | C10007233 | 95 | 75 | 102 | 92 |
| ISO 100-K to KF25 | C10009231 | 130 | 40 | 130 | 98 |
| ISO 100-K to KF40 | C10009232 | 130 | 55 | 130 | 95 |
| ISO 100-K to KF50 | C10009233 | 130 | 75 | 130 | 111 |
| ISO 160-K to KF40 | C10011232 | 180 | 55 | 160 | 121 |
| ISO 160-K to KF50 | C10011233 | 180 | 75 | 160 | 136 |

WELD STUB, ISO-K (COLLAR ROTATABLE) 316L STAINLESS

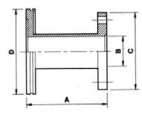


| SIZE | PART No. | DIMENSIONS (mm) | | | | |
|-----------|-----------|-----------------|-----|-----|-----|-----|
| | | A | B | C | D | E |
| ISO 63-K | C10007032 | 95 | 76 | 70 | 100 | 3.2 |
| ISO 80-K | C10008013 | 110 | 76 | 83 | 100 | 3.2 |
| ISO 100-K | C10009032 | 130 | 108 | 102 | 100 | 3.2 |

ISO-K ADAPTORS

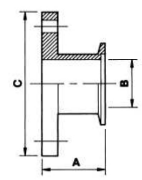
PRECISION PLUS OFFERS THE ISO-K ROTATABLE COLLAR FLANGE AS OUR STANDARD. THIS FLANGE EASILY CONNECTS WITH THE ISO-F BOLTED FLANGE USING A VARIETY OF CLAW CLAMS OR A ROTATABLE FLANGE KIT. WE ALSO OFFER A VARIETY OF ADAPTORS SO YOU CAN CONNECT YOUR 'ISO' PIPEWORK TO OTHER TYPE FLANGES. ISO-K COLLAR ROTATABLE FLANGE.

ADAPTOR, ISO-F (BOLTED) TO ISO-K (COLLAR ROTATABLE) 316L STAINLESS



| SIZE | PART No. | DIMENSIONS (mm) | | | |
|-----------------------|-----------|-----------------|----|-----|-----|
| | | A | B | C | D |
| ISO 40-F to ISO 63-K | C10007087 | 106 | 41 | 100 | 95 |
| ISO 40-F to ISO 80-K | C10008180 | 106 | 41 | 100 | 110 |
| ISO 40-F to ISO 100-K | C10009087 | 106 | 41 | 100 | 130 |
| ISO 63-F to ISO 63-K | C10007155 | 160 | 70 | 130 | 95 |

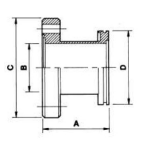
ADAPTOR, ISO-F (BOLTED) TO KF, 316L STAINLESS



| SIZE | PART No. | DIMENSIONS (mm) | | |
|-------------------|-----------|-----------------|----|-----|
| | | A | B | C |
| ISO 40-F to KF 40 | A1516 | 69 | 40 | 100 |
| ISO 40-F to KF 50 | C10005080 | 50 | 41 | 100 |
| ISO 63-F to KF 40 | A1448 | 68 | 40 | 130 |
| ISO 63-F to KF 50 | A1509 | 50 | 50 | 130 |
| Bolt Kit | 515000 | | | |

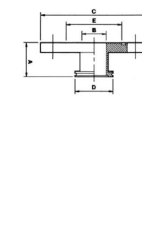
NOTE: Bolt kit not need for Part number 10005080

ADAPTOR, ISO-K (COLLAR ROTATABLE) TO CF (CONFLAT), 316L STAINLESS



| SIZE | PART No. | DIMENSIONS (mm) | | | |
|-----------------------------|-----------|-----------------|-----|-----|-----|
| | | A | B | C | D |
| ISO 63-K to DN63CF / 4-1/2" | C10007130 | 110 | 60 | 114 | 95 |
| ISO 80-K to DN100CF / 6" | C10008007 | 110 | 73 | 152 | 110 |
| ISO 100-K to DN100CF / 6" | C10009149 | 111 | 98 | 152 | 130 |
| ISO 160-K to DN160CF / 8" | C10011063 | 113 | 148 | 203 | 180 |
| ISO 200-K to DN200CF / 10" | C10012050 | 113 | 197 | 254 | 240 |

ADAPTOR, ISO-K (COLLAR ROTATABLE) TO ASA, 316L STAINLESS (WITH O-RING GROOVE)



| SIZE | PART No. | DIMENSIONS (mm) | | | | |
|---------------------|-----------|-----------------|------|-----|-----|-----|
| | | A | B | C | D | E |
| ISO 63-K to 2" ASA | C10007132 | 106 | 60.2 | 152 | 95 | 3.4 |
| ISO 63-K to 3" ASA | C10007134 | 106 | 60.2 | 190 | 95 | 4.7 |
| ISO 80-K to 2" ASA | C10008008 | 106 | 72.9 | 152 | 110 | 3.4 |
| ISO 80-K to 3" ASA | C10008010 | 106 | 72.9 | 190 | 110 | 4.7 |
| ISO 100-K to 2" ASA | C10009151 | 106 | 72.9 | 152 | 130 | 3.4 |
| ISO 100-K to 3" ASA | C10009153 | 106 | 98.3 | 190 | 130 | 4.7 |
| ISO 100-K to 4" ASA | C10009155 | 106 | 98.3 | 229 | 130 | 6.1 |
| ISO 160-K to 4" ASA | C10011065 | 106 | 136 | 229 | 180 | 6.1 |
| ISO 160-K to 6" ASA | C10011067 | 112 | 148 | 279 | 180 | 7.9 |

ISO O-RINGS, ASA ADAPTORS ISO-K BELLOWS & PIPELINES

PRECISION PLUS OFFERS THE ISO-K ROTATABLE COLLAR FLANGE AS OUR STANDARD. THIS FLANGE EASILY CONNECTS WITH THE ISO-F BOLTED FLANGE USING A VARIETY OF CLAW CLAMS OR A ROTATABLE FLANGE KIT. WE ALSO OFFER A VARIETY OF ADAPTORS SO YOU CAN CONNECT YOUR 'ISO' PIPEWORK TO OTHER TYPE FLANGES. ISO-K COLLAR ROTATABLE FLANGE.

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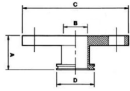
O-RING, ASA, NITRILE

A = I.D.

B = Thickness in inches

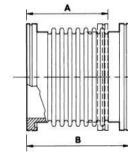
| SIZE | PART No. | DIMENSIONS (mm) | |
|--------|-----------|-----------------|------|
| | | A | B |
| 2" ASA | H02125175 | 3.484 | .139 |
| 3" ASA | H02125176 | 4.609 | .139 |
| 4" ASA | H02125177 | 5.984 | .139 |
| 6" ASA | H02125178 | 7.894 | .139 |

ADAPTOR, ISO-K (COLLAR ROTATABLE) TO ASA, 316L STAINLESS (NO O-RING GROOVE)



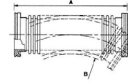
| SIZE | PART No. | DIMENSIONS (mm) | | | |
|--------------------|-----------|-----------------|------|-----|-----|
| | | A | B | C | D |
| ISO 63-K to 2" ASA | C10007131 | 106 | 60.2 | 152 | 95 |
| ISO63-K to 3" ASA | C10007133 | 106 | 60.2 | 190 | 95 |
| ISO80-K to 2" ASA | C10008009 | 106 | 72.9 | 152 | 110 |
| ISO80-K to 3" ASA | C10008011 | 106 | 72.9 | 190 | 110 |
| ISO100-K to 2" ASA | C10009150 | 106 | 72.9 | 152 | 130 |
| ISO100-K to 3" ASA | C10009152 | 106 | 98.3 | 190 | 130 |
| ISO100-K to 4" ASA | C10009154 | 106 | 98.3 | 229 | 130 |
| ISO160-K to 4"ASA | C10011064 | 106 | 136 | 229 | 180 |
| ISO160-K to 6"ASA | C10011066 | 112 | 148 | 279 | 180 |

FLEXIBLE BELLOWS, ISO-K (COLLAR ROTATABLE) 316L STAINLESS



| SIZE | PART No. | DIMENSIONS (mm) | |
|-----------|-----------|-----------------|-----|
| | | A | B |
| ISO 63-K | C10007670 | 106 | 127 |
| ISO 80-K | C10008028 | 106 | 127 |
| ISO 100-K | C10009670 | 107 | 127 |

FLEXIBLE PIPELINE, ISO-K (COLLAR ROTATABLE) 316L STAINLESS



B = Minimum bend radius, static
C = Minimum bend radius, dynamic
D = Maximum operating pressure, bar gauge

| SIZE | PART No. | DIMENSIONS (mm) | | | |
|----------------------|-----------|-----------------|-----|-----|-----|
| | | A | B | C | D |
| ISO ISO63-K x 250mm | C10007285 | 250 | 140 | 360 | 0.4 |
| ISO ISO63-K x 500mm | C10007286 | 500 | 140 | 360 | 0.4 |
| ISO ISO63-K x 750mm | C10007288 | 750 | 140 | 360 | 0.4 |
| ISO ISO63-K x 1000mm | C10007287 | 1000 | 140 | 360 | 0.4 |
| ISO ISO80-K x 250mm | C10008025 | 250 | 160 | 420 | 0.4 |
| ISO ISO80-K x 500mm | C10008026 | 500 | 160 | 420 | 0.4 |
| ISO ISO80-K x 750mm | C10008024 | 750 | 160 | 420 | 0.4 |
| ISO ISO80-K x 1000mm | C10008027 | 1000 | 160 | 420 | 0.4 |
| ISO ISO100-K x 250mm | C10009285 | 250 | 200 | 550 | 0.3 |
| ISO ISO100-K x 500mm | C10009286 | 500 | 200 | 550 | 0.3 |
| ISO ISO100-K x 750mm | C10009288 | 700 | 200 | 550 | 0.3 |
| ISO ISO100-K x 1000m | C10009287 | 1000 | 200 | 550 | 0.3 |