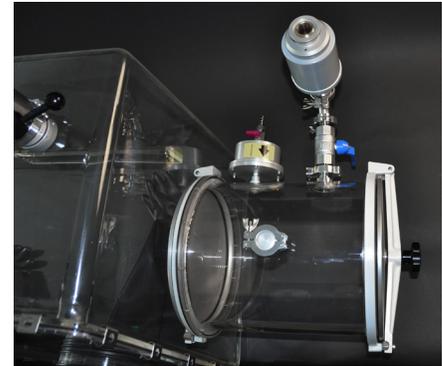


# MB-ACRYL-GLOVEBOX



- Unique single piece molded benchtop design
- No glue or clamps on the body of the box
- Easy to open or remove clamped front window
- Ball valves for gas purge and exhausting of the box
- Side door  $\varnothing 290$  mm or antechamber  $\varnothing 280$  mm

Options:

- Electrical power feedthrough
- Stainless steel floor pan
- Illumination
- Inline filter cartridge for circulation system (mounted external in piping)
- Box pressure control via ON/OFF controller

# MB-ACRYL-GLOVEBOX



Clean. Engineering. Expertise.

## DESCRIPTION

The MBRAUN-ACRYL-GLOVEBOX offers a cost-effective solution for inert atmosphere applications mainly for user protection.

A thick, clear, and durable acrylic shell allows optimum visibility and remains impermeable to ambient air. Standard Neoprene gloves provide excellent resistance to abrasion and chemicals.

The MB-ACRYL can be configured to meet your project specifications and/or can simply be chosen from a variety of standard pre-defined configurations like purge antechamber (PAC), vacuum antechamber (VAC) or circulation unit (C).

## GENERAL SPECIFICATIONS

Glovebox	Single piece molded housing
Window	Removable (mounted with clamps), acrylic glass, with 2 glove ports
Gloves	Pair, Neoprene, size 8, thickness 0,6 mm
Glove port	ø 190 mm, PMMA
Inner dimensions Glovebox	950 x 540/420 x 650 mm (L x (base/ceiling) x H)
Max. dimensions Glovebox without antechamber	1135 x 565 x 825 mm (L x D x H)
Max. dimensions Glovebox with antechamber	1505 x 596 x 825 mm (L x D x H)
Glovebox volume	300 l
Inlet and outlet filter	H13 HEPA
Working pressure range	from -2,5 to +2,5 mbar
Working gas	Air, Nitrogen, Argon or Helium

## TECHNICAL DATA

Model Specification	MB-ACRYL-P-D	MB-ACRYL-P-VAC	MB-ACRYL-P-PAC	MB-ACRYL-C-VAC	MB-ACRYL-C-PAC
Glovebox principle	Purge box	Purge box with vacuum antechamber	Purge box with purge antechamber	Circulation with blower and vacuum antechamber	Circulation with blower and purge antechamber
Use	User protection	User and product protection		User/product and box atmosphere protection	
Weight	28 kg	36 kg	39 kg	99 kg	102 kg
Gas inlet	Ball valve G 1/4" with 1 hose connection				
Gas outlet	Butterfly valve DN40 KF			Connected to blower	
Blower *	-	-	-	360 l/min	360 l/min
Door (int. diameter)	290 mm	-	-	-	-
Door material	Aluminum	-	-	-	-
Door opening	Horizontal opening	-	-	-	-
Antechamber type	-	Vacuum	Purge	Vacuum	Purge
Antechamber diameter	-	280 mm			
Antechamber length	-	350 mm			
Antechamber volume	-	22 l			
Antechamber inner/outer opening	-	Horizontal opening			
Antechamber connections	-	DN 25 KF flange for vacuum	Purge inlet ball valve G 1/4"	DN 25 KF flange for vacuum	Purge inlet ball valve G 1/4"
Antechamber connections	-	Ball valve G 1/4" for refilling	Purge outlet valve with G 1" hose connector	Ball valve G 1/4" for refilling	Purge outlet valve with G 1" hose connector
Antechamber pressure gauge	-	Vacuum gauge	-	Vacuum gauge	-
Inline filter cartridge (optional)	-	-	-	Can be filled with ~300 g of granulate	

Technical note: Dependent upon operating conditions.

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