

ACRYL GLOVEBOX

Final configuration may differ from picture



PRODUCT INFO

- **Cost-Effective Entry Solution**
Affordable purge box system designed for inert atmosphere
- **Excellent Visibility & Durability**
Thick, transparent acrylic shell ensures clear view and reliable barrier against ambient air
- **Flexible Feedthroughs**
Two standard DN40KF ports allow easy integration of small devices and connections such as power, USB or HDMI
- **Chemical-Resistant Handling**
Equipped with neoprene gloves offering strong resistance to abrasion and chemicals
- **Stable and Flexible Installation**
Integrated standing platform keeps the box perfectly level, allowing easy relocation between different workstations

GENERAL SPECIFICATIONS

| | |
|------------------------|---|
| Glovebox | Single piece molded housing |
| Window | Removable (mounted with clamps) acrylic glass |
| Inner dimensions | 950 x 540/420 x 650 mm (W x D (base/ceiling) x H) |
| Particle filter | HEPA H13 in/out |
| Gloveports | 2 ports with ø 190 mm, PMMA, O-ring sealed |
| Gloves | Neoprene 0,6 mm thick |
| Working pressure range | From -2,5 to +2,5 mbar |
| Working gas | Air, Nitrogen, Argon or Helium |

BENEFITS

- Affordable entry-level model
- Easy installation by customer
- Chemical resistant neoprene gloves

WITH GAS-TIGHT DOOR (RIGHT SIDE)

| | |
|------------------|--|
| Outer dimensions | 1140 x 620 x 850 mm (W x D x H) |
| Weight | 30 kg |
| Gas inlet | Ball valve G 1/4" with 1 hose connection |
| Gas outlet | Butterfly valve DN40 KF |
| Door | Aluminum, 290 mm, horizontal opening |



WITH UNIVERSAL ANTECHAMBER (RIGHT SIDE)

| | |
|-----------------------|---|
| Outer dimensions | 1500 x 620 x 850 mm (W x D x H) |
| Weight | 40 kg |
| Gas inlet | Ball valve G 1/4" with 1 hose connection |
| Gas outlet | Butterfly valve DN40 KF |
| Antechamber operation | Vacuum and purge operation (Vacuum pump optional) |
| Antechamber doors | Aluminum, 290 mm, horizontal opening |
| Antechamber size | 350 x 290 mm (W x D) |
| Antechamber features | Ball valve G 1/4", vacuum gauge |



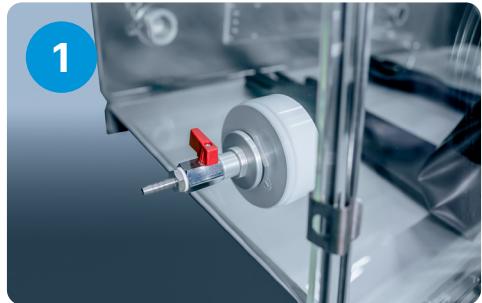
AVAILABLE OPTIONS

| Item number | Description |
|-------------|------------------------------|
| 1510827 | Membrane vacuum pump* |
| 1510140 | Stainless steel floor trough |
| 1510310 | Multi-socket power strip |
| 1515212 | Gloveport cover |
| 1510321 | Lighting |



UTILITIES

| | | |
|---|-------------------------------|--|
| 1 | Gas inlet (left side) | Outer diameter of pin 6 mm |
| 2 | Gas outlet (top) | Butterfly valve KF40, connected to an extraction system by the customer |
| 3 | Antechamber gas inlet* | Gas inlet (refill after vacuum or purge gas inlet), outer diameter of pin 6 mm |
| 4 | Antechamber outlet* | Gas outlet (gas purge outlet), outer diameter of pin 6 mm, connected to an extraction system by the customer |
| 5 | Antechamber vacuum* | Connection to the vacuum pump, outer diameter of pin 6 mm |
| | Pressure regulator | Provided by the customer: 0.5 to 1 bar, connection g 3/8" |
| | Working gas | Provided by the customer: Nitrogen or Argon (purity depends on the application) |



* only for configuration with universal antechamber



AVAILABLE ON THE ONLINE SHOP

The acrylic box is available as a preconfigured model in the MBRAUN Online Shop. All options listed in the table above can also be selected online, helping to reduce waiting times and simplify the ordering process.

<https://shop.mbraun.de/ENU/29939/Neuanlagen.html>



Configuration may vary by region.