Products



Diacell® GM Kit for Almax PlateDAC

Gas Membrane Kit for Almax PlateDAC

Stainless Steel casing dedicated to the PlateDAC for using a gas membrane.

- The Boehler-Almax PlateDAC is a screw driven DAC but it can also be used with a gas membrane which is needed when pressure has to be controlled remotely for instance during X-ray experiments at synchrotrons;
- A Huber goniometer head is also available for the gas membrane adaptor;
- Available at Almax easyLab.

RELATED PRODUCTS:

- PlateDAC
- iGM controller
- GM controller

RELATED ACCESSORIES:

- Gas Membrane

Technical Specifications:

Material	Stainless Steel AISI 303
Height	35.5 mm
Diameter	60 mm
Top angle	
Bottom angle	
Lateral access	
Working distance	

Specifications subject to change without prior notice.
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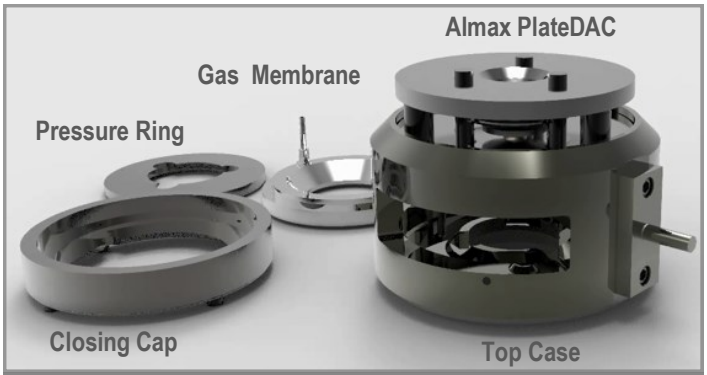
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Gas Membrane Kit components

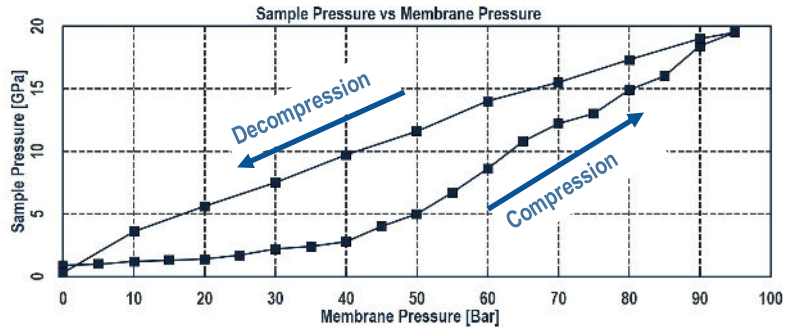
- **Top Case :** The main body that accommodates the cell. The PlateDAC is fixed inside by the mean of 3 lateral screws.
- **Pressure ring** : The ring is to be inserted between the DAC and the Gas Membrane. This item is important for a good use of the gas membrane.
- **Gas membrane**: The gas membrane, which is used for pressure increase. The device is usually controlled with a Gas controller (not included in the GM kit assembly).
- **Closing Cap**: This is the screwing ring that fixes the entire assembly into the main body. The cap presents a slot to accommodate the gas membrane tube.
- A picture with the main components is shown below and a video demonstration can be seen by following this link.

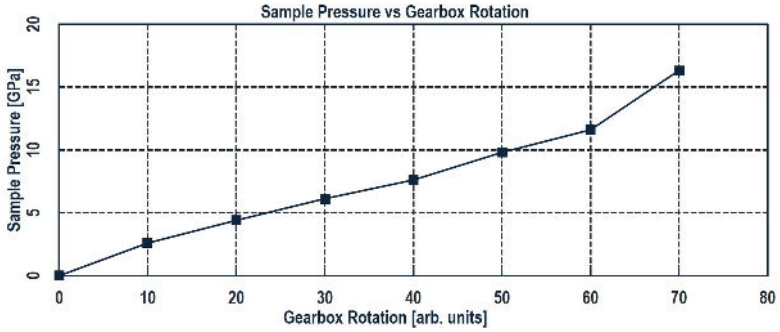


Gas Membrane Kit components

PlateDAC loading with Gas membrane vs PlateDAC loading with Gearbox

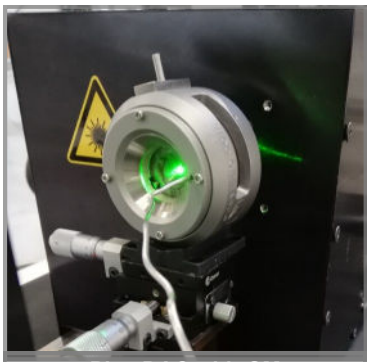
- Typical results are shown below for the PlateDAC using its conventional screw-drive gear box and the gas membrane upgrading kit.





Experimental specifications :

Gasket Type	Inconnel
Gasket Thickness	45 µm
Hole diameter	120 µm
Pressure medium	Si Grease
Anvil Culet Size	350 µm
Pressure Sensor	Ruby Chips
Temperature	Ambient


PlateDAC with GM