



Gas Loading System



Product Code: CRO-021

LOTO-eng gas-loading system for DAC cell is designed to load liquid gas. Only the type of DAC endowed with a membrane can be used during gas loading. The remote-control system allows sample pressure to increase while the DAC is still immersed in liquid gas. This technique allows DACs to be loaded with condensed gases such as nitrogen, argon, oxygen, etc. The advantage over gas loading is the higher initial density that causes a smaller volume reduction under compression allowing the necessary hydrostaticity.

The gas-loading system has been designed to load diamond-anvil cells with various kinds of gases at room temperature. The gases either serve as hydrostatic pressure media or samples by themselves. The present high-pressure vessel can accommodate various types of diamond-anvil cells simply by changing the holder.

TECHNICAL DATA

GAS FILLING USED	Argon, Oxygen, Nitrogen etc. Helium not admitted
DAC TYPE	Remote control by membrane
VACUUM PUMP	10-3 bar
CUULING GAS	Nitrogen
LED LIGHT	Blue

HIGHLIGHT

- Easy to change gas
- Remote control by membrane using helium gas
- Control gas filling