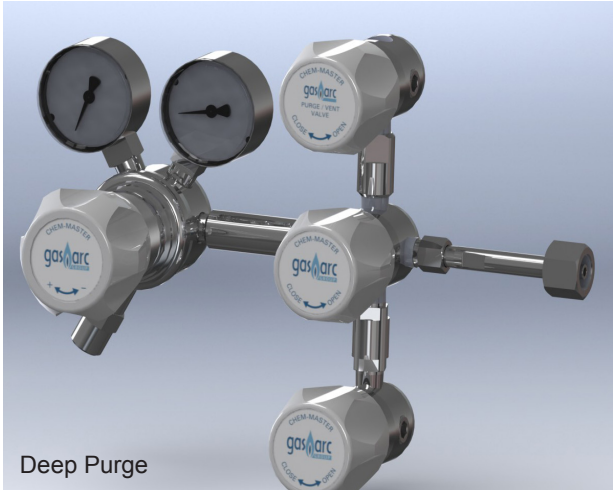
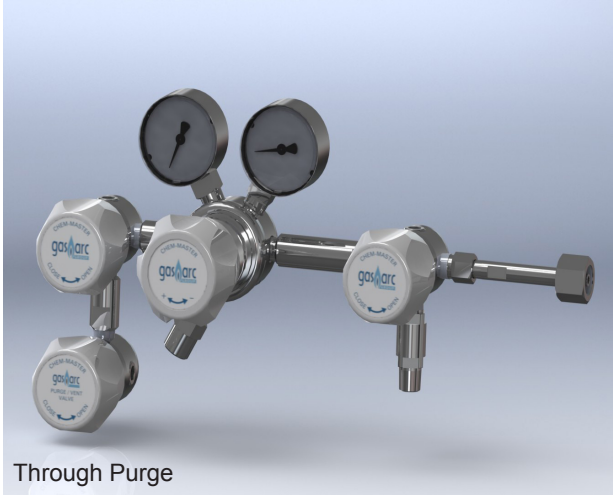
Regulator Purge Valves

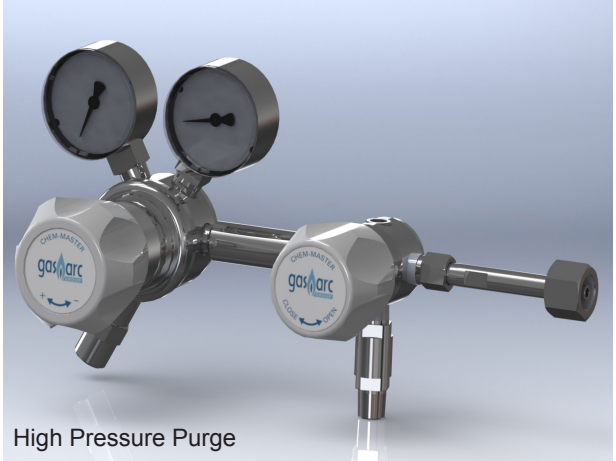
Chem-Master



Deep Purge



Through Purge



High Pressure Purge

Specifications

Chem-Master Purge Valves are designed for use with high purity gases to ensure system integrity during breakdown of components or during gas source changes.

Purge valves provide safety by preventing the release of toxic or corrosive gases into the workplace when changing cylinders, corrosion resistance by preventing corrosive or halogen gases from coming into contact with atmospheric moisture, and purity by preventing air from infiltrating high purity systems at the time of cylinder change.

Product Features

Deep Purge
The Deep Purge may be used to purge the entire regulator body or just the cylinder connection at the time of cylinder change. The Deep Purge performs a positive displacement purge of the system.

Through Purge
The Through Purge is effective in purging the regulator cavity and downstream system. An isolation and vent system is installed downstream from the regulator to direct the vented gases to a safe location. This type of purge is best suited to pressure cycle or dilution purging.

High Pressure Purge
The High Pressure Purge connects to a regulator body through the high pressure inlet port. The purge gas is vented through the regulator body to a safe location downstream. This type of purge is best suited to pressure cycle or dilution purging.

Technical Data

Inlet Pressure	maximum 300 bar
Materials:	
Body:	316L Stainless steel
Diaphragm:	Hastelloy
Non-Return Valve Seal:	EPDM or Viton
Seals:	Metal to metal
Helium Leak Integrity:	$1x10^{-9}$ mbar l/s
Temperature range:	-20^{0} C to $+60^{0}$C

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