

Deep Purges

The 502 Series deep purges are designed for use with high purity gases to ensure system integrity during breakdown of components or during gas source changes.

Purges 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.

The Deep Purge is CONCOA's most effective purge device. It incorporates a unique snorkel tube design which forces the purge gas all the way back through the inlet connection to the cylinder valve cavity assuring virtual zero dead space purging. 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.



Materials and Specifications

- *Seat*
PCTFE
- *Diaphragms (Purge Valves)*
Elgiloy®
- *Diaphragms (Center Valves)*
Elgiloy®
- *Seals*
Metal to Metal
- *Cv*
0.17
- *Maximum Pressure*
3000 PSIG (210 BAR)

Ordering Information

Stock Number	Body Material	Purge Type	Weight
502-3009-CGA	316L Stainless Steel	Deep Purge	3.0 lbs. (1.35 kg)

Tee Purges

The 502 Series purges are designed for use with high purity gases to ensure system integrity upon breakdown of components or during gas source changes.

Purges 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.

The Tee Purge, while more economical than the Deep Purge, is quite effective in purging the regulator cavity and downstream system. CONCOA recommends that a block and bleed system be 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.



Materials and Specifications

- *Seat*
PCTFE
- *Diaphragm*
Elgiloy®
- *Seals*
Metal to Metal
- *Check Valve Seat*
Viton® for Brass
Ethylene
Propylene for
Stainless Steel
- *Cv*
0.17
- *Maximum Pressure*
3000 PSIG (210
BAR)

Ordering Information

Stock Number	Body Material	Purge Type	Weight
502-2003-CGA	Brass	Tee Purge	2.5 lbs. (1.12 kg)
502-2005-CGA	316L Stainless Steel	Tee Purge	2.5 lbs. (1.12 kg)
502-2010	Brass	Right Inlet Purge	2.5 lbs. (1.12 kg)
502-2011	Brass	Left Inlet Purge	2.5 lbs. (1.12 kg)
502-2015	316L Stainless Steel	Right Inlet Purge	2.5 lbs. (1.12 kg)
502-2016	316L Stainless Steel	Left Inlet Purge	2.5 lbs. (1.12 kg)