

Deep Purges

The 502 Series Deep Purge is CONCOA's most effective purge device. It incorporates a unique snorkel tube design that 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 or cycle purge of the system.



Materials and Specifications

Seat	PCTFE
Diaphragm (Purge Valves)	Elgiloy®
Diaphragm (Center Valves)	Elgiloy®
Seals	Metal-to-Metal
Cv	0.17
Maximum Pressure	3500 PSIG (240 BAR)

Ordering Information

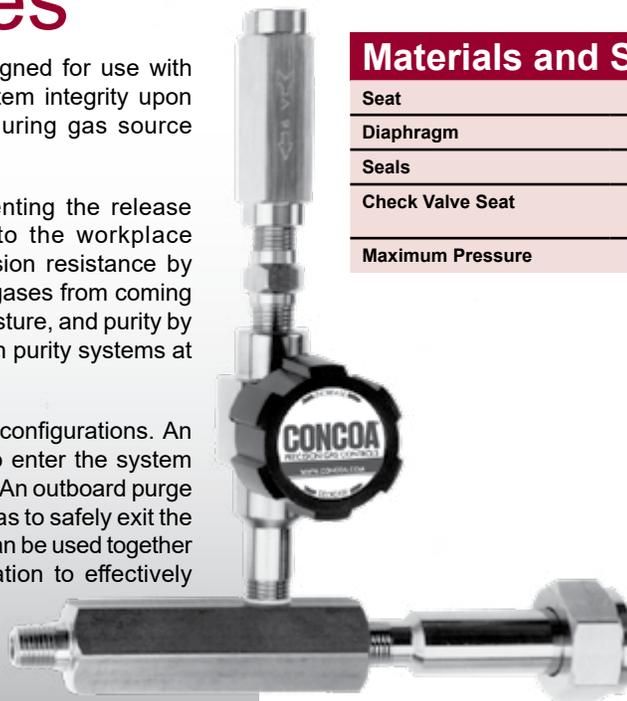
Order No.	Body Material	Purge Type	Weight
502 3009-CON	316L stainless steel	Deep Purge (multi-turn valves)	3.0 lbs. (1.35 kg)
502 3010-CON	316L stainless steel	Deep Purge (quarter-turn valves)	3.0 lbs. (1.35 kg)

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.

Tee purges are available in two configurations. An inboard purge allows inert gas to enter the system for displacement or cycle purging. An outboard purge permits a process or inert purge gas to safely exit the system. The two tee purge types can be used together in a "block and bleed" configuration to effectively purge any system.



Materials and Specifications

Seat	PCTFE
Diaphragm	Elgiloy®
Seals	Metal-to-Metal
Check Valve Seat	Viton® for brass Ethylene propylene for stainless steel
Maximum Pressure	3000 PSIG (210 BAR)

CRN 0H15806.5

Ordering Information

Order No.	Body Material	Purge Type	Weight
502 2003-CON	Brass	Tee purge	2.5 lbs. (1.12 kg)
502 2005-CON	316L stainless steel	Tee purge	2.5 lbs. (1.12 kg)
502 2010	Brass	Right inlet process purge	2.5 lbs. (1.12 kg)
502 2011	Brass	Left inlet process purge	2.5 lbs. (1.12 kg)
502 2015	316L stainless steel	Right inlet process purge	2.5 lbs. (1.12 kg)
502 2016	316L stainless steel	Left inlet process purge	2.5 lbs. (1.12 kg)