Purge Assemblies

FPV-1 Series

Technical Data

- O Maximum working pressure: 4500 psig
- Material of the main components: Seat: PCTFE (diaphragm valve)
 Diaphragm: Elgiloy (diaphragm valve)
- O Temperature: -10°F~+150°F (-23°C~+65°C)
- Carter Contraction Contractica Contract

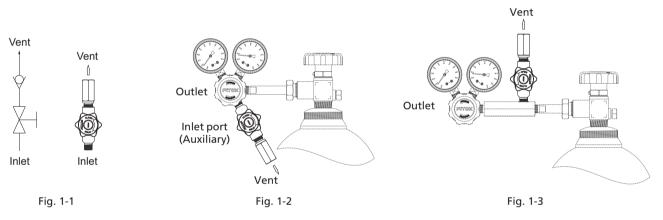
Internal: $\leq 1x10^{\circ}$ mbar·l/s helium External: $\leq 1x10^{\circ}$ mbar·l/s helium

◎ Minimum orifice: Φ0.13" (3.2 mm)

Product Types

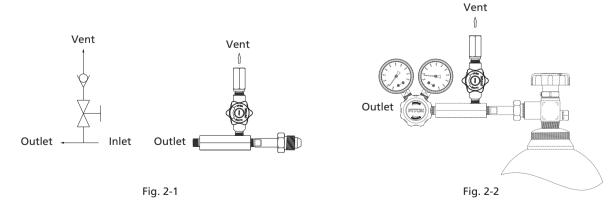
- Straight Purge Assemblies
 - Consisting of a diaphragm valve and a check valve (see Fig. 1-1).

Connecting the auxiliary inlet port (see Fig. 1-2) of the regulator or in between the regulator and the cylinder (see Fig. 1-3) to allow the corrosive or toxic gas to be vented through to a safe location.



O Tee Purge Assemblies

Consisting of a diaphragm valve, check valve, tee, and cylinder connections (see Fig. 2-1). Connecting the cylinder with the regulator. Before installing a new cylinder, open the diaphragm valve, and the remaining gas is vented safely; or after a new cylinder is installed, close the regulator and open the diaphragm valve, enabling the process gas inside the cylinder to purge the atmospheric contamination between the cylinder and the regulator (see Fig. 2-2).



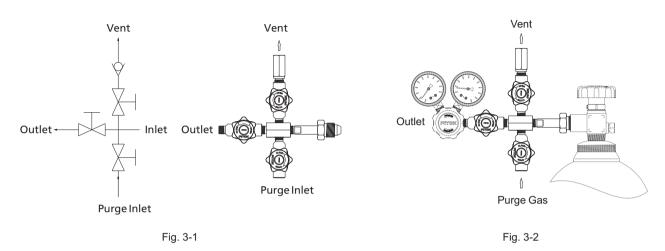


Cross Purge Assemblies

Consisting of a tee purge assembly and two additional diaphragm valves (see Fig. 3-1).

Except for process gas, purging is also made possible with inert gas from outside (see Fig. 3-2). The steps are as follows: Before installing a new cylinder, close the diaphragm valve beside the regulator, and open the shutoff diaphragm valve on the vent line to release the residual pressure.

After installing a new cylinder, open the diaphragm valve on the bottom, allowing the inert gas from outside to purge the atmospheric contaminations between the cylinder and the diaphragm valve.



Part Number Description

FPV - 1C			6L 	-	DIN1 -	-	00 	- <u>C</u>	0	- (00 	
	Product Type		Body /laterial		Inlet Port		Vent Port	Outle	t Port	Purg	e Inlet	
s	Straight Purge Assemblies	6L	316L SS	00	1/4" Female NPT	00	1/4" Female NPT	Same as	Vent Port	Same as	Vent Port	
т	Tee Purge	SS	316 SS	01	1/4" Male NPT	01	1/4" Male					
	Assemblies Cross Purge			C	CGA Number (USA)	•••	NPT 1/4" Tube					
С	Assemblies			DIN_	DIN Number (Germany)	10	Fitting					
						20	6 mm Tube					
				Refer	to page B-28 for		Fitting					
				cylinde	er connections on specific gas type.	21	8 mm Tube Fitting					
				Cylind compli standa upon r contac	Cylinder connections compliant to other standards are available upon request. Please contact FITOK Group for details.		ner connections available upon juest					

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