

Purge Assemblies

FPV-1 Series



FITOK
Valves and Fittings

Purge Assemblies

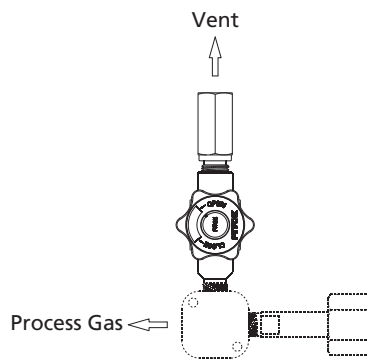
FPV-1 Series

Technical Data

- ⦿ Maximum working pressure: 4500 psig
- ⦿ Material of the main components:
 Seat: PCTFE (diaphragm valve)
 Diaphragm: Elgiloy (diaphragm valve)
- ⦿ Temperature: -10°F~+150°F (-23°C~+65°C)
- ⦿ Leak rates:
 Internal: $\leq 1 \times 10^{-9}$ mbar·l/s helium
 External: $\leq 1 \times 10^{-9}$ mbar·l/s helium
- ⦿ Minimum orifice: $\Phi 0.13"$ (3.2 mm)

Product Types

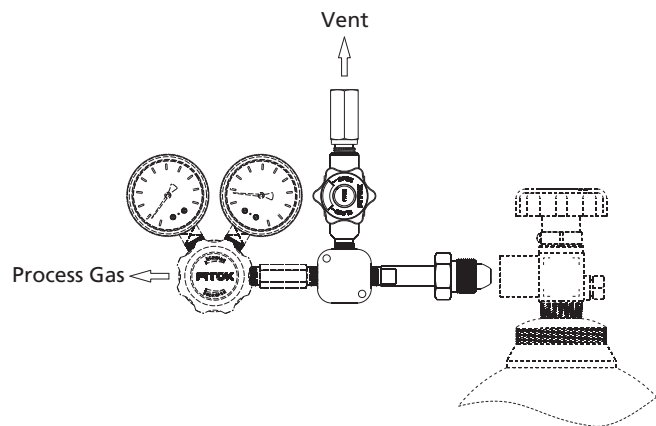
- ⦿ Straight Purge Assemblies
 Connecting the Inlet (auxiliary) port of the regulator or in between the regulator and the cylinder to allow the corrosive or toxic gas to be vented through to a safe location.



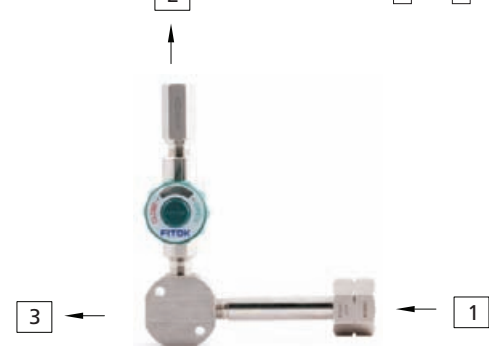
Port Encoding Example: FPV - 1S6L - 01 - 00



- ⦿ Tee Purge Assemblies
 Connecting the cylinder with the regulator, allowing process gas flowing through to purge out the remaining contamination in between the cylinder and the regulator to prevent the high purity gas system from atmospheric contamination.

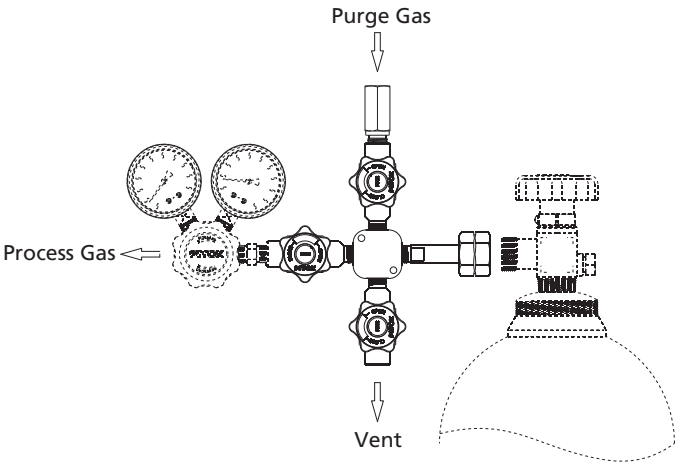
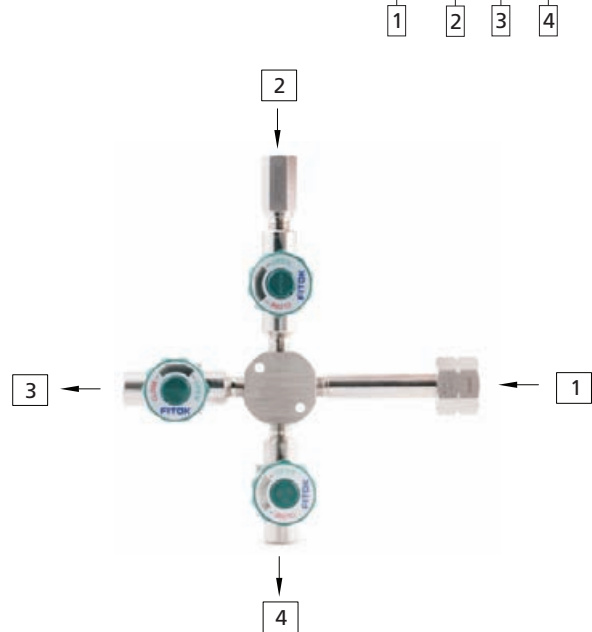


Port Encoding Example: FPV - 1T6L - C580 - 00 - 00



- Cross Purge Assemblies
Connecting the cylinder and the regulator with an additional shutoff diaphragm valve to the Tee Purge Assemblies to utilize inert gas from the outside to purge out the contamination in between the cylinder and the regulator.

Port Encoding Example: FPV – 1C6L – DIN6 – 00 – 00 – 00



Part Number Description

FPV – 1C		6L	–	DIN1	–	00	–	00	–	00
Product Types		Body Material		Connection 1		Connection 2		Connection 3	Connection 4	
S	Straight Purge Assemblies	6L	316L SS	00	1/4" Female NPT	00	1/4" Female NPT	Same as Connection 2	Same as Connection 2	
T	Tee Purge Assemblies	SS	316 SS	01	1/4" Male NPT	01	1/4" Male NPT			
C	Cross Purge Assemblies			C_ _ _	CGA Number (USA)	10	1/4" Tube Fitting			
				DIN_ _	DIN Number (Germany)	20	6 mm Tube Fitting			
					Refer to page B-28 for cylinder connections, according to the specific gas type. Cylinder connections compliant to other standards are available upon request. Please contact FITOK for details.	21	8 mm Tube Fitting			
							Other connections are available upon request			

FITOK Group

FITOK GmbH (Headquarter)

Sprendlinger Landstr. 115, 63069 Offenbach am Main, Germany
Tel.: +49 69 8900 4498 Fax: +49 69 8900 4495

FITOK, Inc.

13843 North Promenade Blvd., Suite 750, Stafford, Texas 77477, USA
Tel.: +1 281 888 0077 Fax: +1 281 582 4051

FITOK Incorporated

Block C, Zone E, Yingtai Industrial Park, Dalang Street,
Longhua New District, Shenzhen, 518109, China
Tel.: +86 755 2803 2500 Fax: +86 755 2803 2619

FITOK Middle East Oil Equipment Trading LLC

208-209, Makateb Building, Airport Road, P.O.Box 185412, Deira, Dubai, UAE
Tel.: +971 4 2959 853 Fax: +971 4 2959 854

info@fitokgroup.com
www.fitokgroup.com

FK-IC-S-01-V-05-EN-161101