

High Pressure Regulators

HPR-10 Series High Pressure Piston Regulators

Features

- ⊙ 316 Stainless steel or brass body optional
- ⊙ Robust piston sensed design
- ⊙ Stable outlet pressure and easy tune
- ⊙ 7 different outlet pressure ranges
- ⊙ All pressure ranges can be vented to 0 psig
- ⊙ Applicable to general gases or liquid
- ⊙ Panel mountable

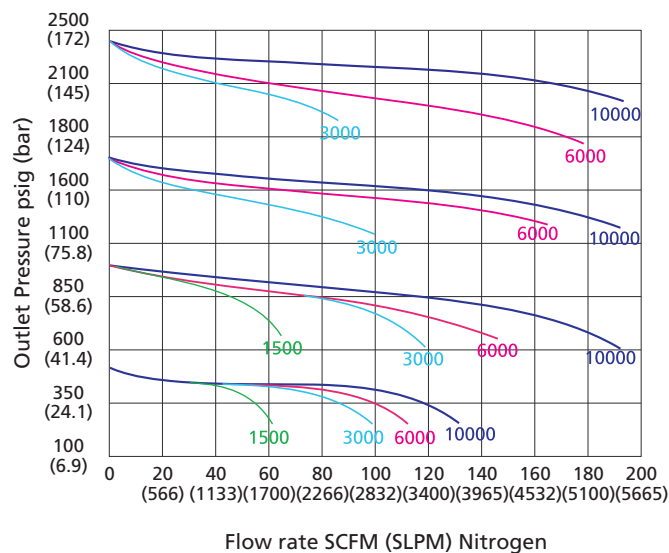
Technical Data

- ⊙ Maximum inlet pressure:
Stainless: 10000 psig
Brass: 6000 psig
- ⊙ Outlet pressure range: 10~500, 15~800, 15~1500, 30~2500, 50~4000, 60~6000 or 200~10000 psig
- ⊙ Materials of the internal components:
Seat: PEEK
Piston: 316L
O-rings: Viton or NBR
Filter: 316L
- ⊙ Temperature: -15°F~+165°F (-26°C~+74°C)
- ⊙ Leak rates:
Internal: Bubble-tight
External: Bubble-tight
- ⊙ Flow coefficient (Cv): 0.06
- ⊙ Weight: ≈5.75 lbs (2.6 kg)
- ⊙ Body ports: 1/4" female NPT for inlet, outlet and gauge



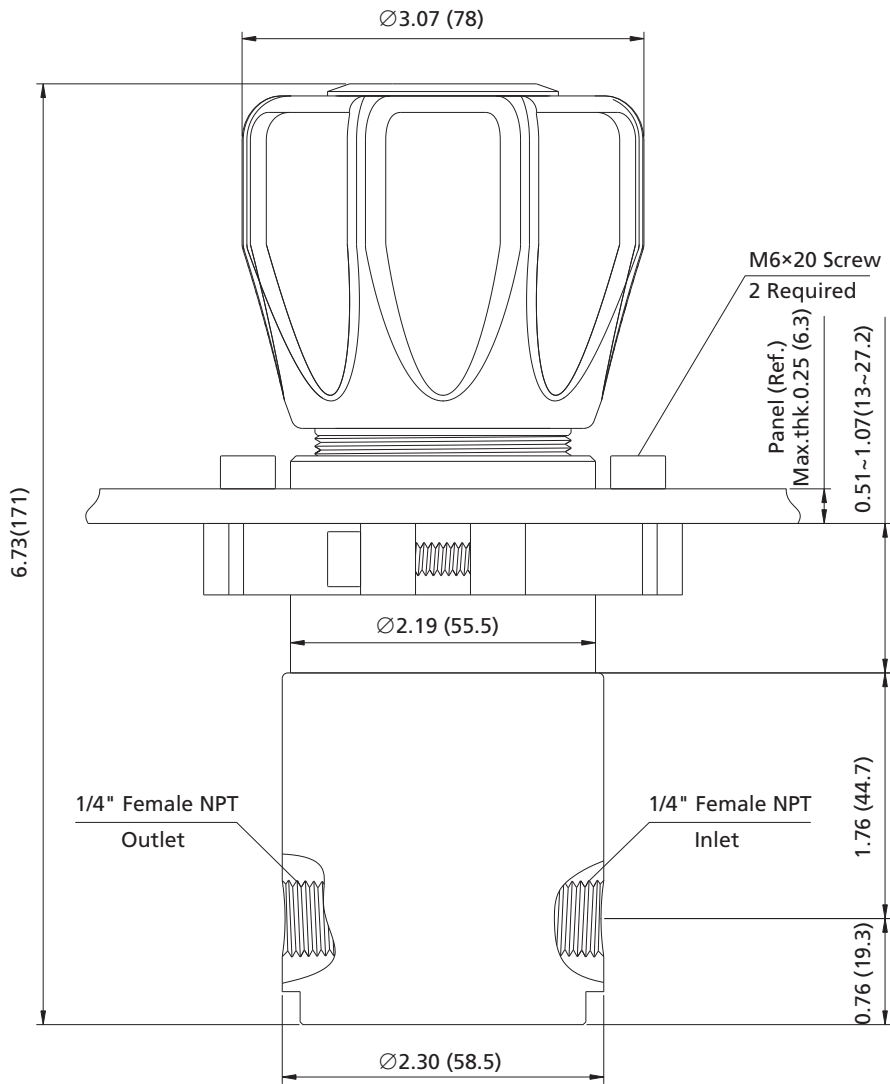
Model: HPR-10SSN-100-100-00-00-ZV

Flow Chart

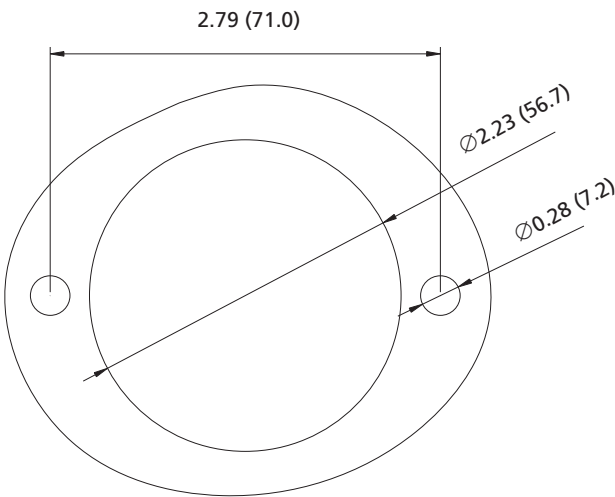


Dimensions

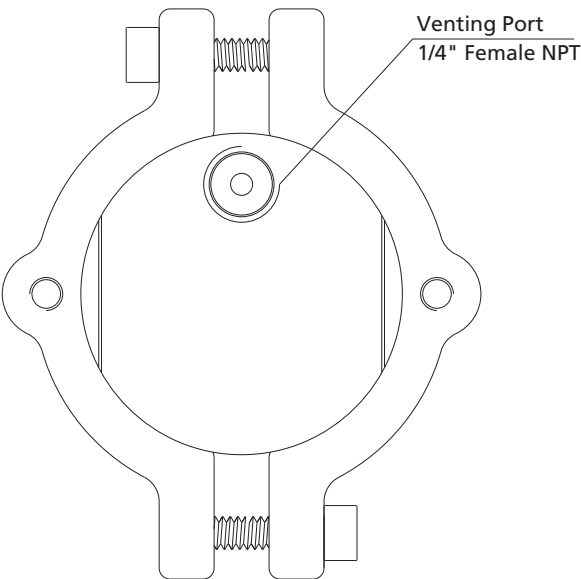
Dimensions, in inches (millimeters), are for reference only.



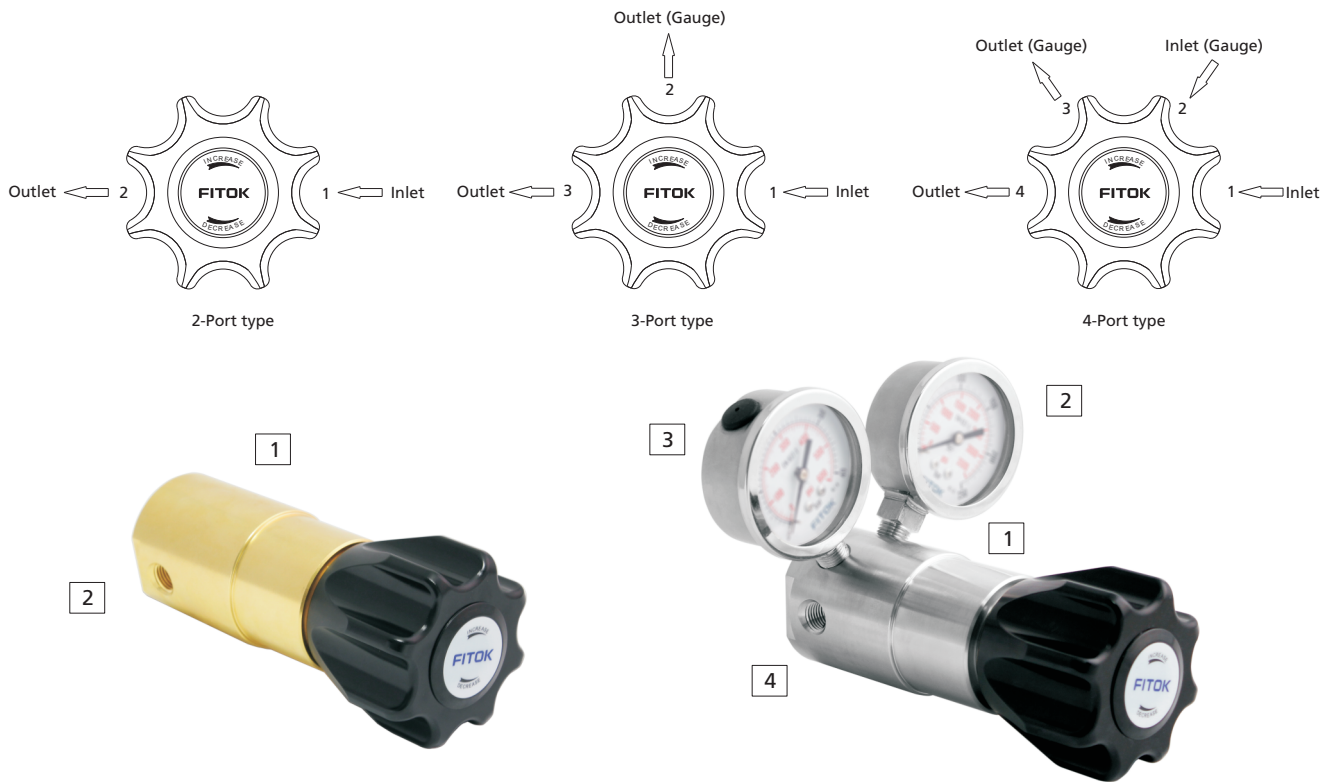
Panel Cut-outs



Bottom View



Porting Configurations



Part Number Description

HPR – 10BN–		60 –		10 –		12 –		B –		B –		00 –		ZV–F2			
Body Material		Inlet Pressure P1		Connection 1		Connection 2		Connection 3		Connection 4		Panel Mount		Vent Option			
SS	316 SS	60	6000 psig	00	1/4" Female NPT	B	With Gauge (psi/bar)	Same as Connection 2		Same as Connection 1			Without	Without			
B	Brass (Max. Inlet Pressure 6000 psig)	100	10000 psig	01	1/4" Male NPT	M	With Gauge (MPa)	Z	With								
O-ring Material		Outlet Pressure Range P2		10	1/4" Tube Fitting	P	Plug	Connection 4		Vent Option		Without		Without			
	Viton	5	10~500 psig	11	3/8" Tube Fitting	00	1/4" Female NPT	Same as Connection 1		V		With	With		Without		
N	NBR	8	15~800 psig	20	6 mm Tube Fitting	01	1/4" Male NPT	Same as Connection 1		Same as Connection 1		General Purpose		Special Cleaning and Packaging			
		15	15~1500 psig	21	8 mm Tube Fitting	10	1/4" Tube Fitting										
		25	30~2500 psig	Other connections are available upon request		11	3/8" Tube Fitting										
		40	50~4000 psig			20	6 mm Tube Fitting										
		60	60~6000 psig			21	8 mm Tube Fitting										
		100	200~10000 psig			Other connections are available upon request											