

UPR-1 Series High Purity Pressure Reducing Regulator



- Wetted material of construction: 316L Stainless Steel, Hastelloy® C-22 optional
- Seat: Tefzel®, Kel-F® or Vespel®
- Outlet Working pressures: 10, 25, 50, 100, 250 and 500 psig
- Cv: 0.025, 0.06, 0.20, 0.50
- Volume: Less than 5cc
- Surface finish: 25 Ra (standard)
- Connections: Male or female VCR (1/4, 3/8, 1/2); 1/4 internally machined
- Leakage: 1 x 10⁻⁹atm cc/sec maximum

- Proof Pressure: 2 times working pressure
- Burst Pressure: 4 times working pressure
- Weight: 1.9 pounds (0.86 Kg)
- Mounting: Surface or panel (see Outline and mounting dimensions)

Maximum Temperature & Operating Inlet Pressures

Seat Material	Maximum Temperature*	@	Maximum Operating Inlet Pressure
Tefzel®	150° F (66° C)	@	3600 psig (24.82 MPa)
High Density Teflon®	150° F (66° C)	@	3600 psig (24.82 MPa)
PCTFE	175° F (80° C)	@	6000 psig (41.37 MPa)
Polyimide	500° F (260° C)	@	3600 psig (24.82 MPa)
	175° F (80° C)	@	6000 psig (41.37 MPa)
PEEK	500° F (260° C)	@	3600 psig (24.82 MPa)
	175° F (80° C)	@	6000 psig (41.37 MPa)