

UPR-7 Series High Purity Pressure Reducing Regulator



- Wetted material of construction: 316L Stainless Steel, Hastelloy® C-22 optional
 - Seat: Kalrez®, Tefzel®, Viton®, or Teflon®
 - Outlet Working pressures: 10, 25, 50, 100, 250 and 500 psig
 - Cv: 1.1
 - Volume: Less than 9cc
 - Surface finish: 25 Ra (standard)
 - Connections: Male or female VCR (1/4, 3/8, 1/2, 3/4); 1/4 internally machined
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- Leakage: 1 x 10⁻⁹atm cc/sec maximum
 - Proof Pressure: 2 times working pressure
 - Burst Pressure: 4 times working pressure
 - Weight: 3.2 pounds (1.45 Kg)
 - Mounting: Surface or panel (see Outline and mounting dimensions)

Maximum Temperature & Operating Inlet Pressures

up to 100 psig Outlet Pressure

Seat Material	Maximum Temperature*		Maximum Operating Inlet Pressure
Teflon®	150° F (66° C)	@	1000 psig (6.90 MPa)
Tefzel®	175° F (80° C)	@	3600 psig (24.82 MPa)
PCTFE	175° F (80° C)	@	3600 psig (24.82 MPa)
PEEK	250° F (121° C)	@	3600 psig (24.82 MPa)
Viton®	250° F (121° C)	@	300 psig (2.07 MPa)
Kalrez®	250° F (121° C)	@	300 psig (2.07 MPa)

* Temperatures in excess of 175° F (80° C) require the use of a metal knob or the Tamper Proof option

0 - 250 psig Outlet Pressure (Hand Knob)

Seat Material	Maximum Temperature*		Maximum Operating Inlet Pressure
Teflon®	150° F (66° C)	@	500 psig (3.45 MPa)
Tefzel®	175° F (80° C)	@	500 psig (3.45 MPa)
PCTFE	175° F (80° C)	@	500 psig (3.45 MPa)
Viton®	250° F (121° C)	@	300 psig (2.07 MPa)
Kalrez®	250° F (121° C)	@	300 psig (2.07 MPa)

* Temperatures in excess of 175° F (80° C) require the use of a metal knob or the Tamper Proof option

0 - 250 & 0 - 500 psig Outlet Pressures (T Handle or Tamper Proof)

Seat Material	Maximum Temperature*		Maximum Operating Inlet Pressure
Teflon®	150° F (66° C)	@	1000 psig (6.90 MPa)
PEEK	250° F (121° C)	@	3600 psig (24.82 MPa)

* Temperatures in excess of 175° F (80° C) require the use of a metal knob or the Tamper Proof option