

L62 Series

RoHS Directive Products

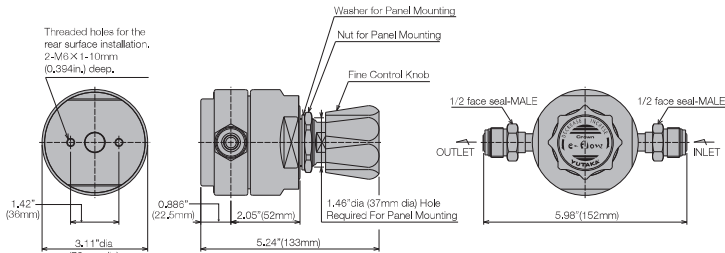
High Flow Rate Applications (Needle Type)

Inlet Pressure	Max.24 MPaG (Max.3,480 PSIG)
Outlet Pressure	Max.0.8 MPaG (Max.116 PSIG) (Pressure Range: 0~0.2 MPa, 0~0.4 MPa, 0~0.6 MPa, 0~0.8 MPa)
Supply Pressure Effect	0.001 MPaG (0.145 PSIG) per 0.1 MPaG (14.5 PSIG)
Proof Pressure	31.5 MPa (4,567 PSIG)
CV	0.11
Temperature	-10°C to +40°C
Outboard Leakage	1×10 ⁻¹¹ Pa·m ³ /sec·He (1×10 ⁻¹⁰ atm·cc/sec·He)
Internal Volume	32.3 cc (1.97 in ³) w/o fittings
Approximate weight	4.7 kg (10 lbs, 6 oz.)
Installation	Threaded holes on the rear surface or Panel mounting

[NOTE]
1MPa = 10.2 kgf/cm² = 145.04 PSI
1MPa = 7504.36 mmHg = 295.4 inHg



Outline drawing



[NOTE]
· Dimensions are in inches and (mm) for reference only.
· Face to face length of the male and female are the same.
· Subject to change without notice.

Materials of construction

MODEL & TYPE	L62SS	L62SH	L62SS-CO	L62SS-I
Wetted Parts				
Body	SUS316L			
Poppet & Seat Retainer	SUS316L	Hastelloy® C-22	SUS316L	
Diaphragm	Hastelloy® C-22		SUS316L	Hastelloy® C-22
Seat	PTFE			Vespel®
Spring	SUS316			
Gasket to seal for gauge	Ni	SUS316		Ni
Non-wetted Parts				
Bonnet	SUS304			
Control Knob	ABS Resin			
O-ring	NBR			

Wetted surface finishes

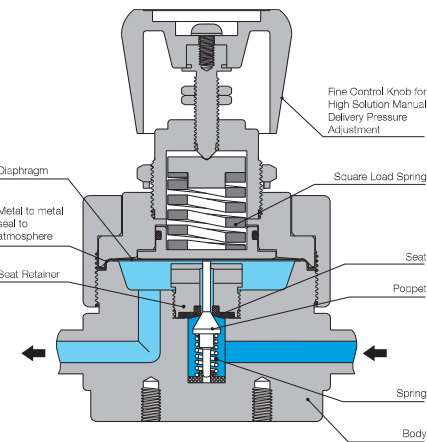
Standard Ra (GRADE "B")	32µin. (0.80µm) or less
Optional Ra (GRADE "A")	7µin. (0.18µm) or less

Standard connections

3/8", 1/2" face to face length of the male and female are the same,5.98in. (152mm)

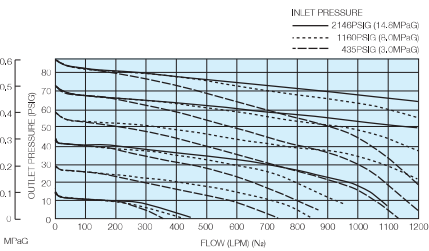
[NOTE]
· Any combination of Face Seal male and/or female fittings are available for inlet and outlet.
· Size and configuration of pressure gauge port is 1/4" Face Seal male.

Cross sectional drawing



[NOTE]
· Avoid turning the control knob excessively.
· No filter in this unit.

Flow characteristics



[NOTE]
· These tests were performed at ambient conditions.

Ordering information

