

RH2 Series

High Flow Rate Applications

Inlet Pressure	Max.2 MPaG (Max.290 PSIG)
Outlet Pressure	Max.0.99 MPaG (Max.144 PSIG) (Pressure Range: 0~0.2 MPa, 0~0.4 MPa, 0~0.6 MPa, 0~0.99 MPa)
Supply Pressure Effect	0.0082 MPaG (1.19 PSIG) per 0.1 MPaG (14.5 PSIG)
Proof Pressure	22.2 MPa (3,215 PSI)
CV	0.84
Temperature	-10°C to +40°C
Outboard Leakage	Screw (P); $1 \times 10^{-9} \text{ Pa} \cdot \text{m}^3/\text{sec} \cdot \text{He}$ ($1 \times 10^{-8} \text{ atm} \cdot \text{cc}/\text{sec} \cdot \text{He}$) Welding (W); $1 \times 10^{-11} \text{ Pa} \cdot \text{m}^3/\text{sec} \cdot \text{He}$ ($1 \times 10^{-10} \text{ atm} \cdot \text{cc}/\text{sec} \cdot \text{He}$)
Approximate weight	2.8 kg (6 lbs. 5 oz.)
Installation	Threaded holes on the rear surface (OPTIONS: Surface panel mounting)

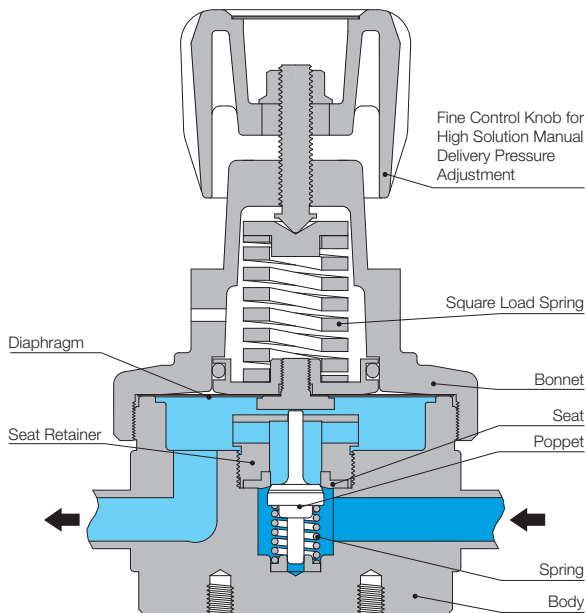


[NOTE]

1MPa = 10.2 kgf/cm² = 145.04 PSI

1MPa = 7504.36 mmHg = 295.4 inHg

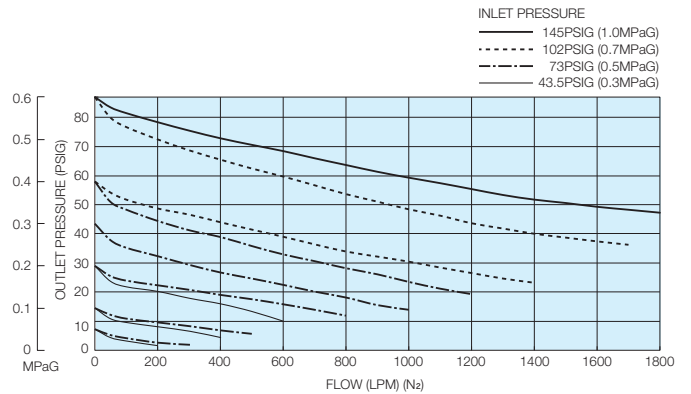
Cross sectional drawing



[NOTE]

- Avoid turning the control knob excessively.
- No filter in this unit.

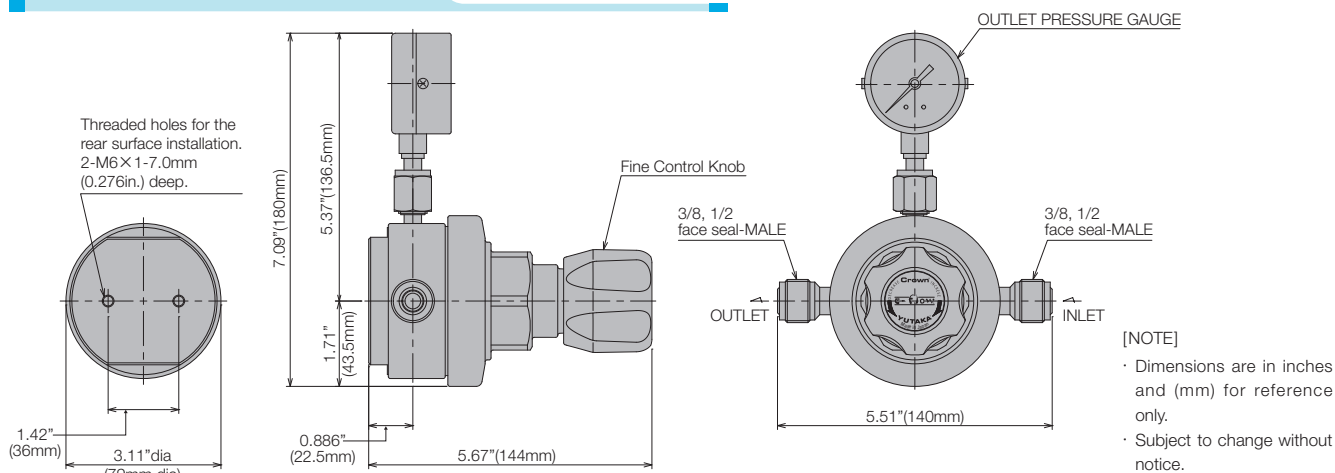
Flow characteristics



[NOTE]

- These tests were performed at ambient conditions.

Outline drawing



Materials of construction

MODEL & TYPE	RH2SSC	RH2SS-CO
Wetted Parts		
Body	SUS316L	
Poppet & Seat Retainer	SUS316L	
Diaphragm	SUS316L	
Seat	PCTFE	
Spring	SUS316	
Gasket	PTFE	
Gasket to seal for gauge	Ni	SUS316
Non-wetted Parts		
Bonnet	Chromium Plated Brass	
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

1/2" NPT body length 3.11in. (79mm)
 3/8", 1/2" face to face length of the male and female are the same. 5.51in. (140mm)
 1/2" sus tube fitting length 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.

Ordering information

