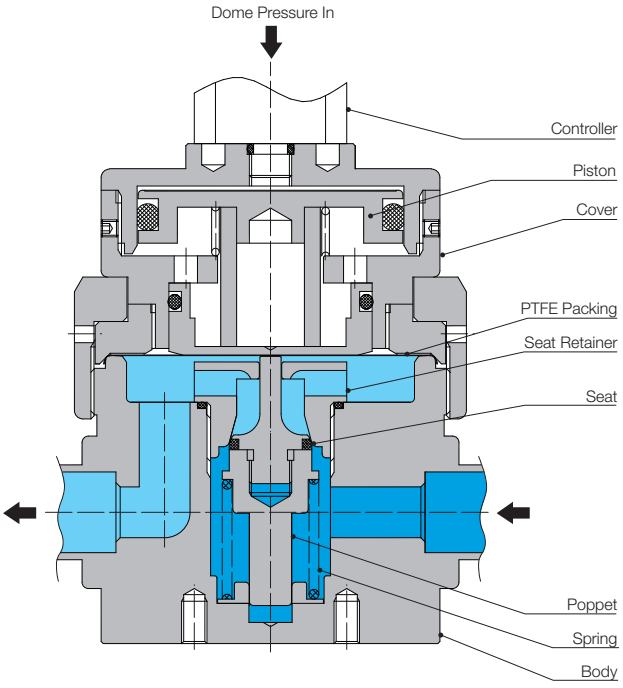
LM2-D Series

Point-of-Use Auto Pressure Regulator

Inlet Pressure	Max.2 MPaG (Max.290 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)
Pressure controller	YP100
Power source	DC24 V ±10%
Power consumption	200 mA or less
External communication	4-20 mA, RS485
Pressure sensor input	4-20 mA, 1-5 V
Air supply pressure	0.4～0.6 MPa
Air supply pressure connection	0.157" (4.0 mm) Push-In Fitting

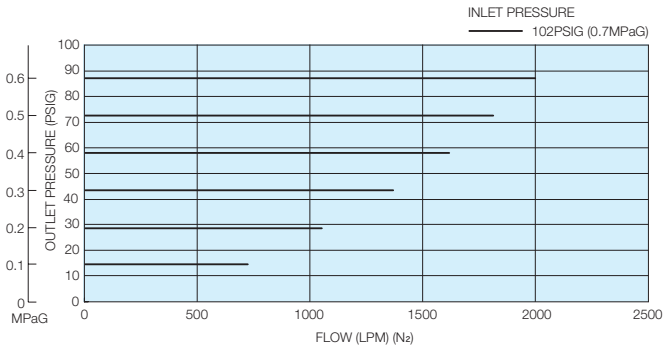
[NOTE]
1MPa = 10.2 kgf/cm^2 = 145.04 PSI
1MPa = 7504.36 mmHg = 295.4 inHg

Cross sectional drawing



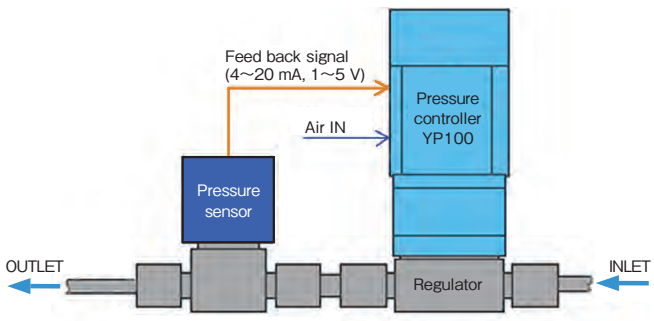
[NOTE]
· Avoid turning the control knob excessively.
· No filter in this unit.

Flow characteristics

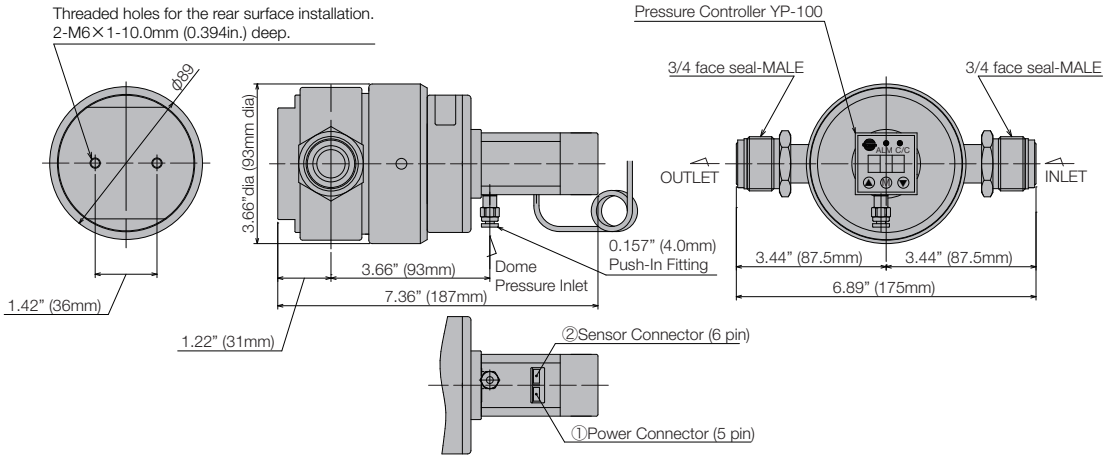


[NOTE]
· These tests were performed at ambient conditions.

Example of use



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	LM2-D
Wetted Parts	
Body	SUS316L
Poppet	SUS316L
Seat Retainer	SUS316L
Diaphragm (Metal to metal seal to atmosphere)	Hastelloy® C-22
Seat	PTFE
Spring	SUS316
Gasket to seal for gauge	Ni
Packing	PTFE
Non-wetted Parts	
Bonnet	C3604B
Pressure controller	YP100
O-ring	NBR

Wetted surface finishes

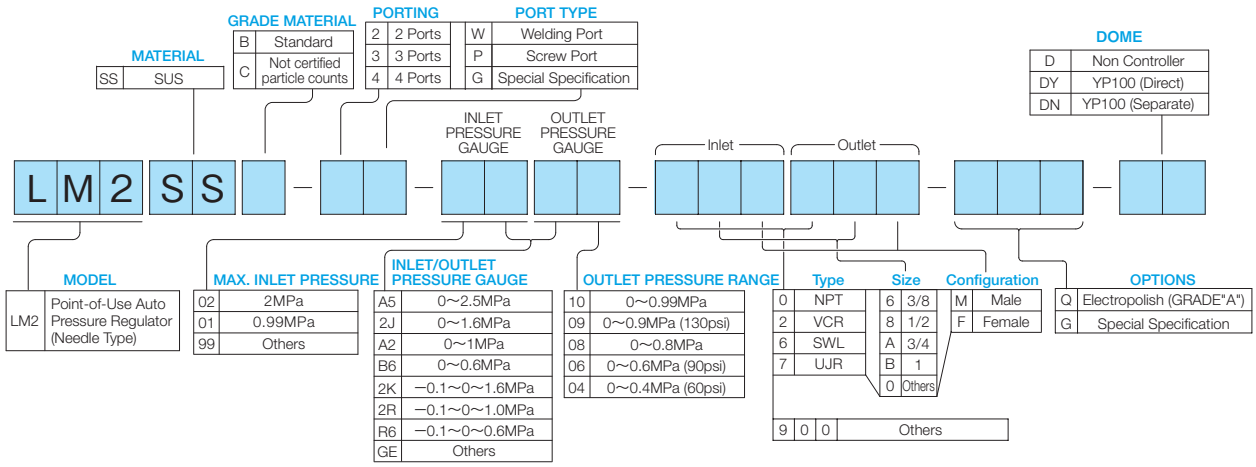
Standard Ra (GRADE "B")	32μin. (0.80μm) or less
Standard Ra (GRADE "C")	7μin. (0.18μm) or less

Standard connections

1/2" NPT body length 3.50in. (89mm)
3/4", 1/2" face to face length of the male and female are the same. 6.89in. (175mm)

[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



TOTAL ENGINEERING OF GAS REGULATING EQUIPMENT
YUTAKA ENGINEERING CORPORATION
ADDRESS : 5-17-5 KUGAHARA, OHTA-KU, TOKYO 146-0085, JAPAN
PHONE : 81-3-3753-1651 FAX : 81-3-3751-5177
http://www.yutaka-crown.com

ISO 9001 96QR-032
ISO 14001 00ER-073

ONLY OTA QUALITY
Member's No.0070

An ISO 9001 Quality System Certified Company
An ISO 14001 Environmental System Certified Company
MITI Certified Self-Inspecting Manufacturer(No.MAB-472)
MHW Certified Medical Equipment Manufacturer((東用)No.2755)

YUTAKA/Edupress Printing Printed in Japan

CAT.No.245 2018 10 (The Second edition) E