R71 Series Compact Piston Pressure Regulator

FEATURES
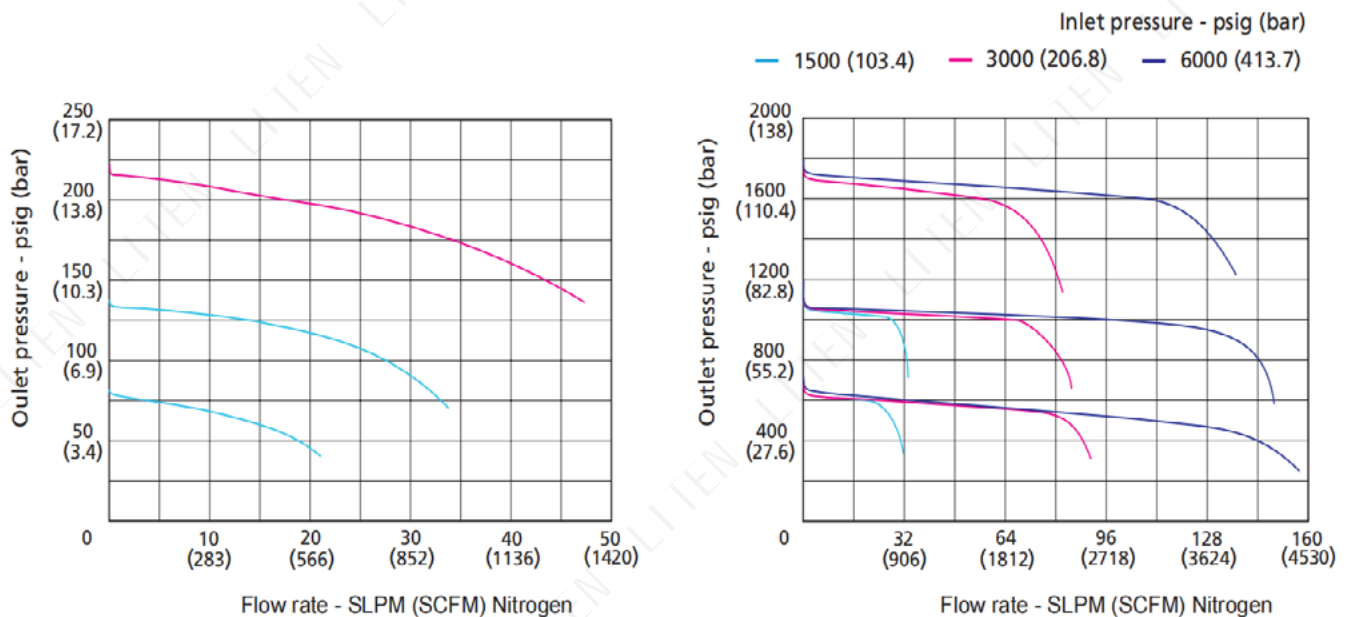
◎ Compact design with small external dimensions.
◎ Small internal volume.
◎ Inlet installation for 40μm filter element.
◎ Special cleaning and packaging process suitable for oxygen-rich environments.

TECHNICAL DATA

◎ Medium Contact Materials:
  Valve Body: 316, 316L, or Brass (Nickel Plated)
  Valve Seat: PCTFE, PEEK, or Vespel
  Piston: 316L
  O-Ring: Viton, Kalrez, or Buna-N
  Filter Element: 316L
◎ Operating Conditions:
  Maximum Rated Inlet Pressure: 6000 psig
  Outlet Pressure Ranges: 0~80, 0~140, 0~220, 0~700, 0~1200, 0~1800 psig
  Operating Temperature: -26°C to +74°C (-15°F to +165°F)
◎ Functional Performance:
  Test Pressure: 150% of the maximum rated pressure
  Burst Pressure: 300% of the maximum rated pressure
◎ Leakage Rate:
  Internal Leakage: No visible gas bubbles
  External Leakage: No visible gas bubbles
  Flow Coefficient (Cv): 0.06
◎ Weight (Regulator Only): 0.4 kg (0.93 lbs)
◎ Body Ports: Inlet, Outlet - 1/4" NPT Female Thread
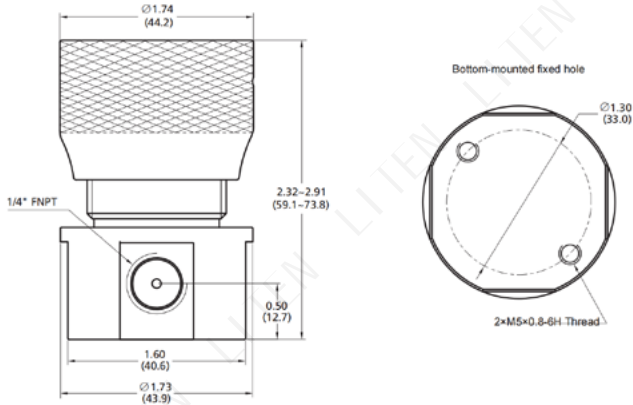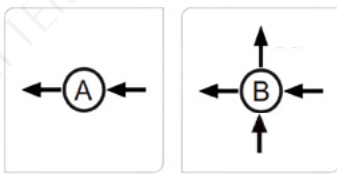
FLOW DATA

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DIMENSION

Dimensions, in inches (millimeters), are for reference only.

PORT CONFIGURATIONS

For more or additional port options, please consult LITEN.

ORDERING INFORMATION

Series	Body Material	Body Port	Inlet Pressure	Outlet Pressure	Pressure Guages	Inlet Connection 1	Outlet Connection 2,3,4	Valve Seat	Installation method
R71	**L**	**A**	**-W**	**P**	**G**	**-00**	**-00- 00-00**	**-P**	**-M**
R71	**L**:316L **B**: Brass	A B D	**W**:6000psi	**P**:0~1800psi **N**: 0~1200psi **M**:0~700psi **E**:0~220psi **D**:0~140psi **C**:0~80psi	**G**: MPa **P**: psi/bar **W**: None	**00**: 1/4"NPT(F) **01**: 1/4"NPT(M) **10**: 1/4"OD **11**: 3/8"OD **20**: 6mm OD **21**: 8mm OD More...	Same with connection 1	PCTFE **P**: PEEK **V**: Vespel	None **M**: with bottom-mounting screws

Note: For more model selections, please contact LITEN.

Note:
Before selecting, please refer to the port configurations.
EX:
a.2-Port type (one in, one out): R71LA-BHP-00-00
b.4-Port type (two in, two out): R71LA-BHP-00-00-00-00