

PRESSURE REDUCING GAS PILOT

MODEL: PRX2/ PRX2H PILOT



High performance pressure reducing gas pilots

PRODUCT OVERVIEW

The PRX2 and PRX2H Pressure Regulator offers high levels of performance for process gases. The PRX2 and PRX2H regulates a downstream setpoint pressure regardless of flow rate or upstream pressure changes.

Both BSPT 1/4" and NPT 1/4" process connections are available and the pilot is compatible with the Oxford Flow PB1 Pilot Balancer.

APPLICATIONS

The machined 316L body and internals are ideally suited for gas transmission and distribution applications with Natural gas, Hydrogen, Air and other process gases.

BENEFITS & FEATURES

- Low installation and maintenance costs
- Small installation footprint ideally suited to new and retrofit applications
- Corrosion resistance throughout with minimal threaded fittings
- High performance and durability
 - Best-in-class pressure control with fast response
 - Reliable tight shut-off
- Full 316L valve and option for FKM (Viton) seals offers class leading Hydrogen compatibility

Flow Coefficients

PRX2 / PRX2H	K_v	K_g	$A_{eff} (mm^2)^*$
1/4"	0.292	11.68	6.3

*Choked flow

SPECIFICATION

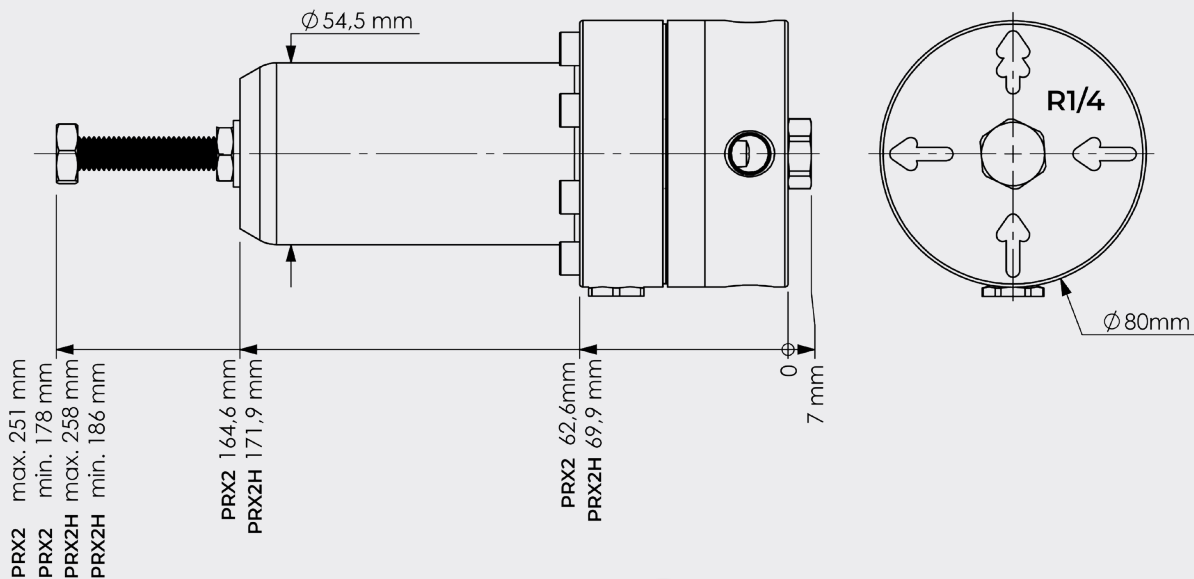
	PRX2	PRX2H
Max. Inlet Pressure	100 bar	100 bar
Max. Sense Pressure	22 bar	70 bar
Temperature Range	-20 to +60C ¹	-20 to +60C ¹
Leakage	Up to EN 60534-4: CLASS VI	Up to EN 60534-4: CLASS VI
Max. Weight	2.5 kg	2.7 kg

¹Dependent on seal material

Not for use as a safety device



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PRX2 SPRING SELECTION

Spring Colour	Setpoint Range
Yellow	0.5 to 1.2 bar
White	1.0 to 2.8 bar
Silver	1.5 to 4.8 bar
Black	3.5 to 8.0 bar
Blue	6.0 to 11.5 bar
Red	10.0 to 22.0 bar

PRX2H SPRING SELECTION

Spring Colour	Setpoint Range
Red	15 to 45 bar
Gold	20 to 50 bar
Grey	30 to 70 bar



CONSTRUCTION MATERIALS

A modular design allows construction in a small range of materials.

Components	Materials
Body	Stainless steel 316L (in gas contact) Aluminium 6082-T6
Actuator	Stainless steel 316L
Seat	PTFE
O-Rings	NBR/FKM
Diaphragm	NBR/FKM

Installation of PRX2 Pilot with PB1 Pilot Balancer



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