

EQUILIBAR® LPR2 Ultra Low Pressure Regulator

- Controls down to 0.02 psig!
- For low flow or no-flow applications

Equilibar introduces a new Ultra Low Pressure Regulator that controls down to 0.5 inH2O (0.02 psig)!

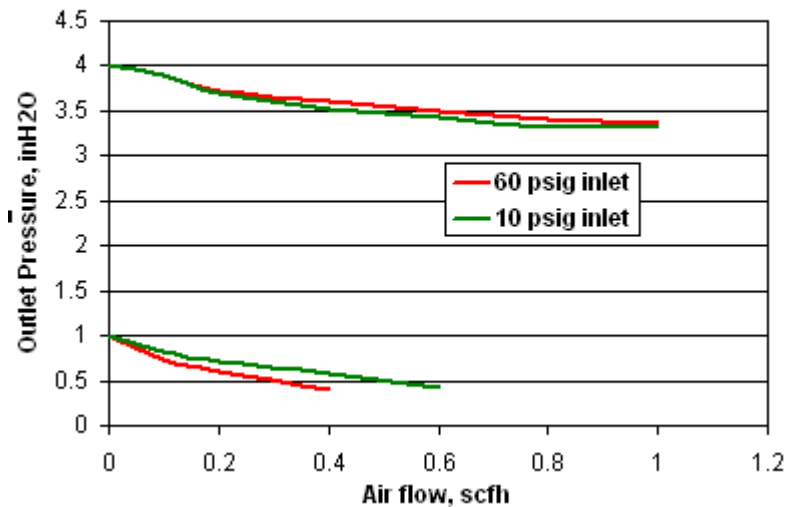
Designed for static and very low flow applications, the LPR-2 design extends the stable control range well below other commercially available



Specifications:

Outlet Ranges:	0.5 to 7 inch WC (0.02 to 0.25 psig)
	1 to 14 inch WC (0.04 to 0.5 psig)
Flow range	Precise below 1 SCFH See flow chart below
Inlet Pressure:	5 to 50 psig
Air consumption:	< 0.05 SCFH
Ports:	1/4" NPT Inlet & Outlet
Fluids:	Air and inert gases*
Major materials:	Cast zinc, Polyethylene, Nitrile Rubber

Equilibar LPR-2 Performance

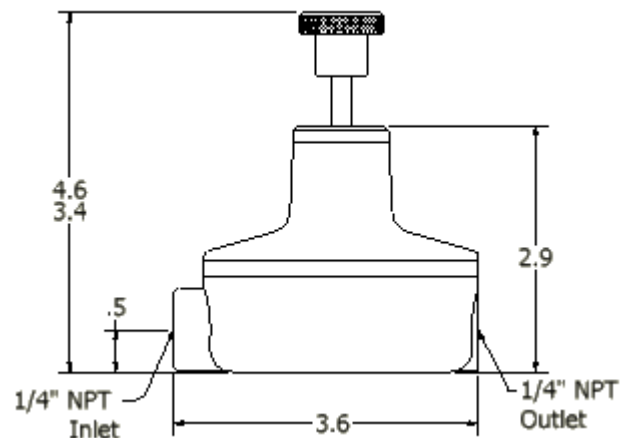


Low Flow Test Results

Sensitivity:	+/- 0.02 in WC (0.0007 psig)
7 Day Stability	+/- 0.06 in WC (0.002 psig)

* Note for Inert Gases:

The LPR-2 is a relieving style regulator and has a small gas consumption through the bonnet. It may be used for inert gases only in a well ventilated area. It is assumed that the user is technically competent to incorporate proper precautions.

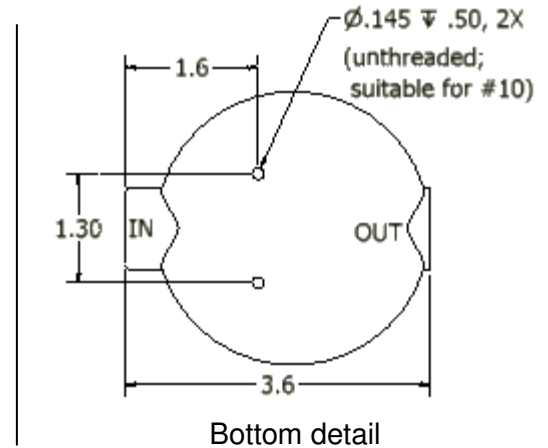


Equilibar LPR2 Ultra Low Pressure Regulator

Low Flow / No Flow Applications

The LPR2 can be used as a stand-alone pressure source for applications requiring no flow or very low gas flow:

- Laboratory, research, scientific
- Pressure testing delicate membranes
- Calibrating low pressure instruments



Higher Flow Applications

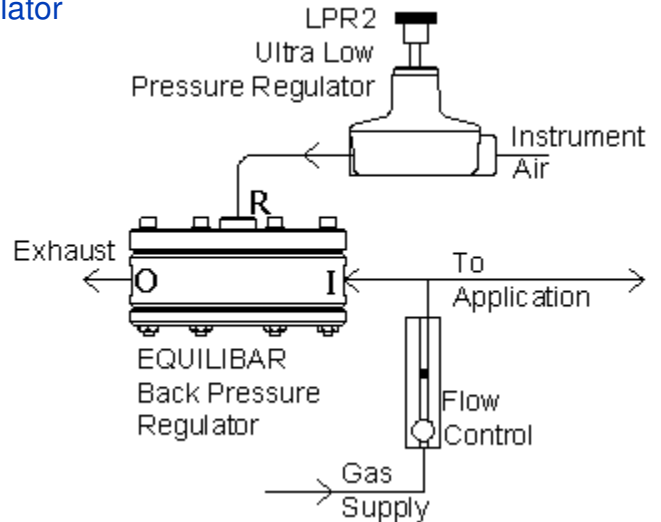
Use of LPR2 with Equilibar Precision Back Pressure Regulator

Problem:

There are very few if any commercial regulators capable of precisely controlling gas pressure below 0.5 psig with significantly varying flow rates.

Solution:

The LPR2 can be used in conjunction with an Equilibar Precision Back Pressure Regulator and a flow control valve to provide incredible precision and responsiveness. By venting any gas flow not required by the application, this system can accommodate forward or reverse gas flow at the application without loss of accuracy.



Contact our Engineers

At Equilibar, your application's unique requirements will be carefully addressed by one of our trained application engineers. Please contact us if you have any questions or special requirements.

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Back Pressure Regulators From Equilibar

The **EQUILIBAR NL Series** Precision Back Pressure Regulator provides unmatched precision from 0.02 to 1000 psig.

