

BP-300 SERIES - 'LOW FLOW' BACK PRESSURE REGULATOR DIAPHRAGM SENSED FOR INLET CONTROL TO 20 BAR / 300 PSI



SPECIAL FEATURES

- Metal to metal diaphragm sealing
- Positive sealing against Viton seat
- Lightweight compact design
- Strong and sensitive diaphragm element
- High Accuracy

DESCRIPTION

The BP-300 has been designed with a convoluted Inconel X750 diaphragm that lasts 50% longer than a typical stainless steel designs. Its compact simple design makes it ideal for general purpose applications, where accurate control of upstream pressure is required.

APPLICATION

- Gas and Liquid Analyzer Systems
- Blanketing applications
- Laboratories & Research Labs

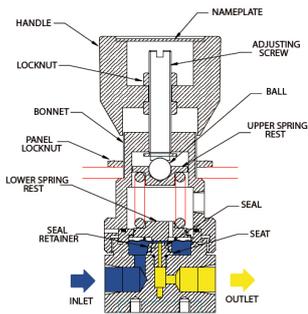
TECHNICAL DATA

Max rated pressure	50 bar (725 psi)
Inlet ranges	up to 20 bar (300 psi)
Design Proof pressure	50% max WP
Leakage	Bubble tight at max WP (tested on Nitrogen)
Weight	0.9 kg (2 lbs)

STANDARD MATERIALS OF CONSTRUCTION

Body and Bonnet/Seat retainer	316SS
Soft seat	Viton
Valve spring	Inconel X750
Diaphragm	Inconel X750
Handwheel	Nylon
Diaphragm washer	Brass
Spring rests	316SS
'O' ring seals	Viton
Adjusting screw	Ali Bronze
Loading Spring	302SS

NOTE: Product availability and specifications contained here in are subject to change without notice. Consult local distributor or factory for potential revisions and/or service related issues.



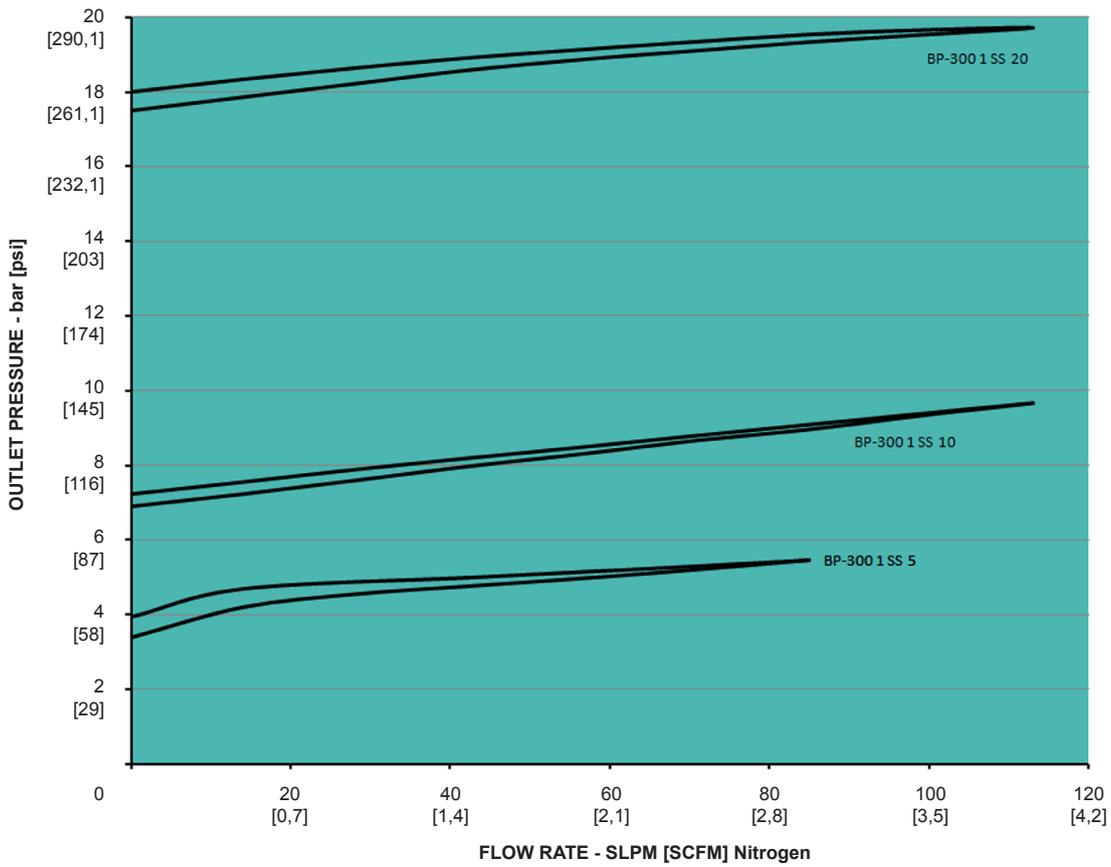
Assembly drawing for reference only. Refer to office for specific detail.

ORDER CODE

Basic Model	Cv Value	Body material	Outlet ranges (Examples*)	Seat	Porting configuration
BP-300	1	SS	10	V	N
BP-300	1 – 0.1	SS – 316SS	05: 0-5 bar/0-73 psi 10: 0-10 bar/0-145 psi 20: 0-20 bar/0-290 psi	V - Viton	Check Page 47 = Gauge Port locations

* Maximum inlet pressure can be set to specific requirements

PERFORMANCE CHARTS



INSTALLATION DIMENSIONS:

