

## MF-101 SERIES - 'MEDIUM FLOW' PRESSURE REGULATOR, PISTON SENSED FOR MEDIUM PRESSURE APPLICATIONS



### SPECIAL FEATURES

- Lightweight compact design
- Piston sensing element
- High accuracy

### DESCRIPTION

The MF-101 incorporates a large precision machined sensing element to control outlet pressures up to 35 bar from a maximum 100 bar inlet. The main valve is an unbalanced design to create positive shut off on gas or liquid applications against the PEEK seat.

### APPLICATION

- Gas and Liquid Analyzer Systems
- Low Pressure Hydraulic Systems
- Research labs
- Instrument Air Lines

### TECHNICAL DATA

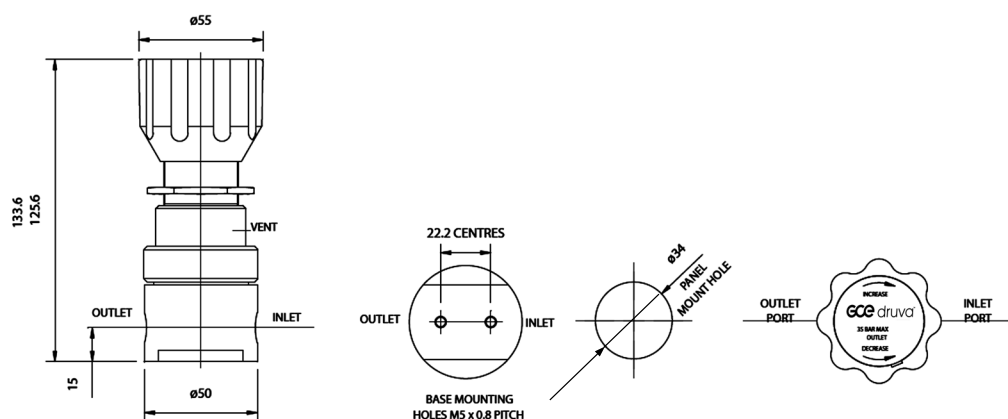
Max rated inlet pressure	100 bar (1450 psi)
Outlet ranges	0 – 10 bar, 0 – 20 bar, 0 – 35 bar
Design Proof pressure	150% max WP
Leakage	Bubble tight at max WP
Weigh	0.9 kg (2 lbs)

### STANDARD MATERIALS OF CONSTRUCTION

Body and Bonnet/Main valve pin	316SS
Soft seat cone	PEEK or PCTFE
Valve spring	Inconel X750
Sensor and holder	316SS
Handwheel	Nylon
Spring rests	316SS
'O' ring seals	Viton
Adjusting screw	Alti 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.

### INSTALLATION DIMENSIONS:



### ORDER CODE

Basic Model	Cv Value	Body material	Outlet ranges (Examples*)	O ring seals	Seat Cone	Port connection	Boring configuration
<b>MF-101</b>	<b>5</b>	<b>SS</b>	<b>35</b>	<b>V</b>	<b>P</b>	<b>02N</b>	<b>N</b>
MF-101	5 – 0.5	SS – 316SS	10: 0-10 bar/0-145 psi 20: 0-20 bar/0-290 psi 35: 0-35 bar/0-508 psi	V - Viton B - NBR E - EPDM	P – PEEK K - PCTFE	02N – 1/4" NPT 03N – 3/8" NPT	Check Page 47 = Gauge Port locations

\* Maximum inlet pressure can be set to specific requirements