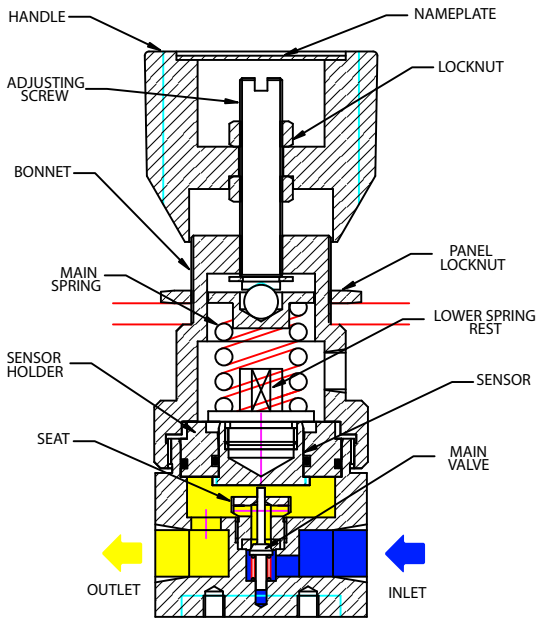
CONTROLLING
PRESSURE & VACUUM

MF-101 SERIES

'Medium Flow' Pressure Reducing Regulator // Piston Sensed for Medium Pressure Applications



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

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

APPLICATIONS:

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

FEATURES:

Lightweight compact design
Piston sensing element
High accuracy

STANDARD MATERIALS OF CONSTRUCTION

Regulator part	Material
Body and Bonnet	316SS
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	Ali Bronze
Loading Spring	302SS

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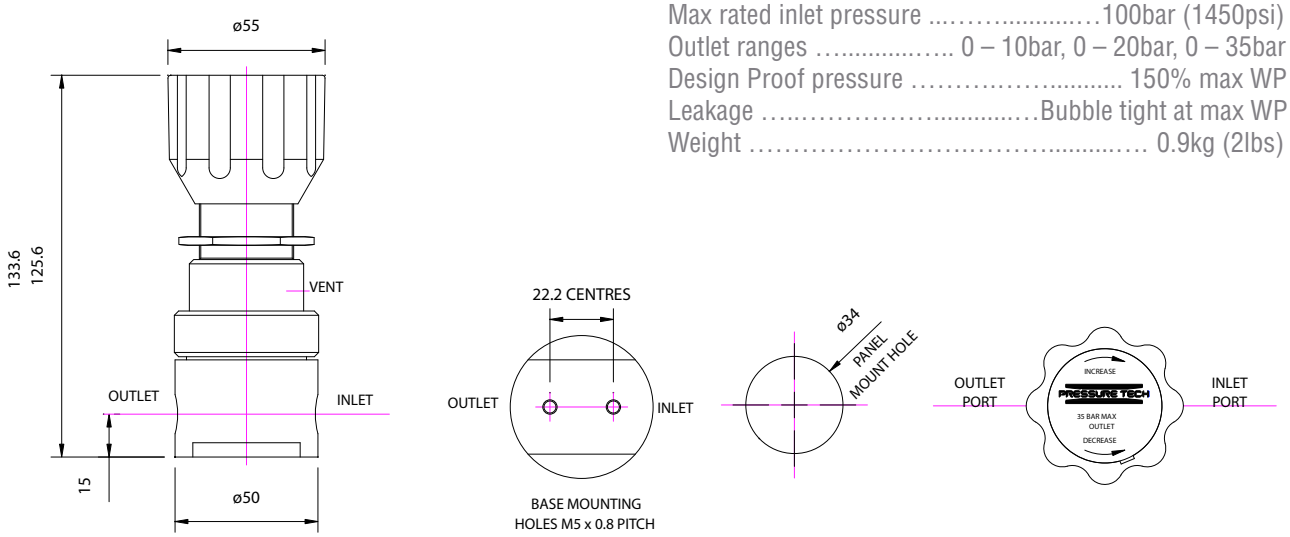
INSTALLATION DIMENSIONS:



SPECIFICATION :

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

ORDERING INFORMATION:

MF – 101 – 5 – SS – 35 – V – P – 02N - N

Basic Model
MF-101

Cv Value
5 – 0.5

Body material
SS – 316SS

Outlet ranges
10 – 0 – 10bar
20 – 0 – 20bar
35 - 0 – 35bar

O ring seals
V - Viton
B - NBR
E - EPDM

Seat Cone
P – PEEK
K – PCTFE

Port connections
02N – ¼" NPT
03N – 3/8" NPT

Porting configuration
Refer office

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