MEDIUM-FLOW PRESSURE REGULATOR FOR DIVING APPLICATIONS















Max Inlet: 300 bar (4,350 psi)

Max Outlet: 300 bar (4,350 psi)

Cv 2.0



INTRODUCING THE MF301D...

The MF301D is a piston-sensed non-venting or self-venting regulator, designed specifically for diving applications.

It offers a balanced main valve as standard for maximum inlet and control pressures of up to 300 bar (4,350 psi). A baffle plate has been incorporated to reduce turbulence underneath the sensor for very accurate pressure control.

In addition, the MF301D is supplied cleaned and degreased to ASTM G93 Level C.

SPECIFICATION

Outlet Ranges	Up to 300 bar (4,350 psi)
Design Proof Pressure	150% max. working pressure
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	3.25kg (7.2lbs)

STANDARD MATERIALS OF CONSTRUCTION

PART	MATERIALS
Body and Bonnet	Brass High Tensile CZ114/CW721R (UNS C67500)
Main Valve Pin	ASTM A479 316/316L Stainless Steel
Soft Seat	PCTFE (Kel-F)
Value Carina	ASTM A479 S42 Stainless Steel
Valve Spring	(UNS S43100)
Piston	ASTM A479 316/316L Stainless Steel
Handwheel	Nylon
O-Rings	FKM/FPM (Viton)
Loading Spring	Silicon Chrome Wire

Note: Pressure regulator rating may be limited by connection type. Cv and/or seat material. Contact the office for specific pressure or temperature requirements.

FEATURES AND BENEFITS

PISTON SENSING ELEMENT

> Perfect for use in challenging conditions.

BAFFLE PLATE 2 ADDED

> Reduces turbulence underneath the sensor.

ASTM G93 LEVEL C

> Supplied cleaned and degreased to ASTM G93 Level C, as standard.

LOWER ENTRY **PLUG**

> For simplified seat servicing.

Product availability and specifications contained herein are subject to change without notice. Consult local distributor or factory for potential revisions and/or service related issues Pressure Tech Ltd support with product selection recommendations only - it is the users responsibility to ensure the product is suitable for their specific application requirements









MEDIUM-FLOW PRESSURE REGULATOR FOR DIVING APPLICATIONS





• Gas Liquid









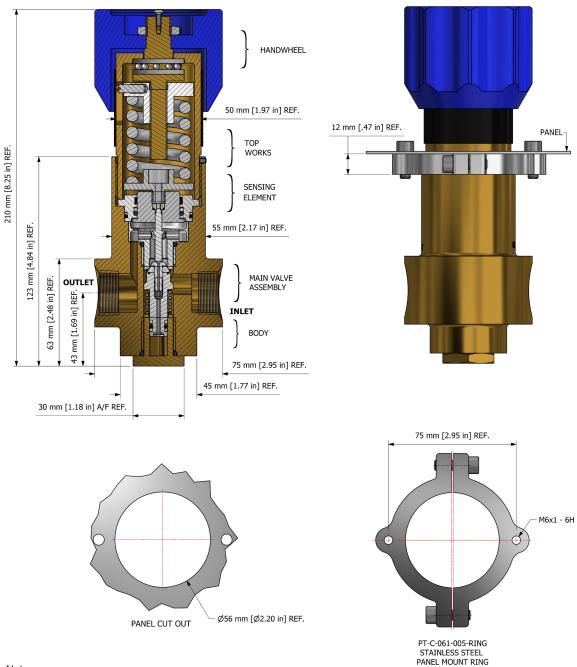
Max Inlet: 300 bar (4,350 psi)

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Cv 2.0

DRAWINGS AND INSTALLATION DIMENSIONS

Dimensions shown for 3/4" NPT option and standard configurations only - please contact the office for other options.



Note:

All gauge ports are 1/4" NPT as standard.

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DiaphragmPiston





Non-Venting

Max Inlet: 300 bar (4,350 psi)

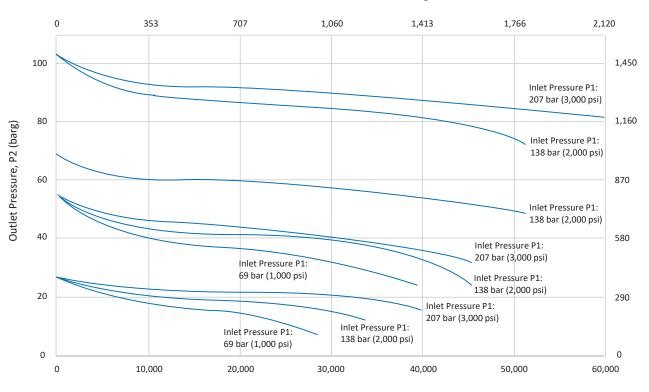
Max Outlet: 300 bar (4,350 psi)

Cv 2.0

Outlet Pressure, P2 (psig)

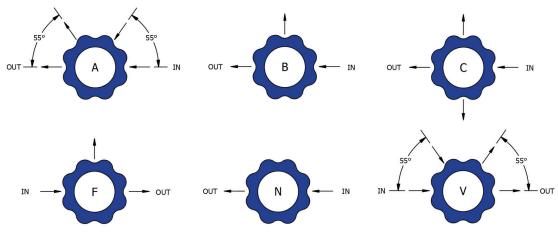
FLOW CURVE

Flow Rate, Q (sfcm) - Nitrogen, N2



Flow Rate, Q (slpm) - Nitrogen, N ²

PORTING CONFIGURATIONS



Additional porting configurations are available – please contact the office for further information.

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• Gas Liquid

DiaphragmPiston





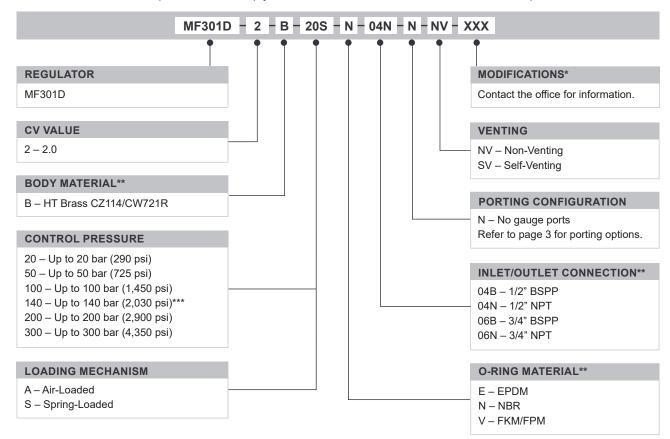
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Cv 2.0

ORDERING INFORMATION

To build a Pressure Tech part number, simply combine the characters identified below in sequence:



	PART NUMBER	DESCRIPTION
Service Kit	SRK-MF301-2-B	Various 'Balanced' options available
Panel Mount Ring	PT-C-061-005-RING	Stainless steel panel mount ring

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^{*} Where applicable

^{**} Other connections/materials may be available

^{***} Air-loaded only