

MICRO300 Datasheet

COMPACT SINGLE STAGE PRESSURE REGULATOR

● Gas ● Liquid | ● Diaphragm ● Piston | ● Self-Venting ● Non-Venting | Max Inlet: 210BAR (3,045 psi) | Outlet Range: Up to 10 BAR | Cv 0.06



Range of low-volume cylinder connections

INTRODUCING THE MICRO300

The MICRO300, specially configured by CAC Gas & Instrumentation for highly-sensitive applications, is designed for customers who need the most accurate calibrations.

The MICRO300 features fully supported 'sensitive' pistons and a low internal volume to reduce wasted gas and minimise reactions. The regulator is available with or without SilcoNert® 2000 coating.

Max. Rated Inlet Pressure	Max Inlet: 210 bar (3,045 psi)
Outlet Ranges	0-2, 0-4, 0-10 BAR
Design Proof Pressure	150% max. working pressure
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	0.5kg (1.1lbs)

* Pressure regulator rating may be limited by connection type, Cv and/or seat material

STANDARD MATERIALS OF CONSTRUCTION

PART	MATERIALS
Body and Bonnet	AISI 316/316L Stainless Steel (UNS S31600/S31603)
Main Valve Pin	AISI 316/316L Stainless Steel (UNS S31600/S31603)
Soft Seat	PCTFE
Valve Spring	Inconel® X750
Piston	AISI 316/316L Stainless Steel (UNS S31600/S31603)
Handwheel	Nylon
O-Rings	FKM/FPM
Loading Spring	Alloy Spring Steel
Filter	40 Microns

FEATURES AND BENEFITS

1 DESIGNED FOR CALIBRATIONS

The most precise calibrations for your instrument

2 SPECIAL COATINGS AVAILABLE

SilcoTek special coatings to handle aggressive or sensitive compounds.

3 COMPACT DESIGN

Perfect for when installation space is restricted or for small cylinders

4 LOW INTERNAL VOLUME

Wastes less gas

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.



DESIGNED AND BUILT IN THE UK



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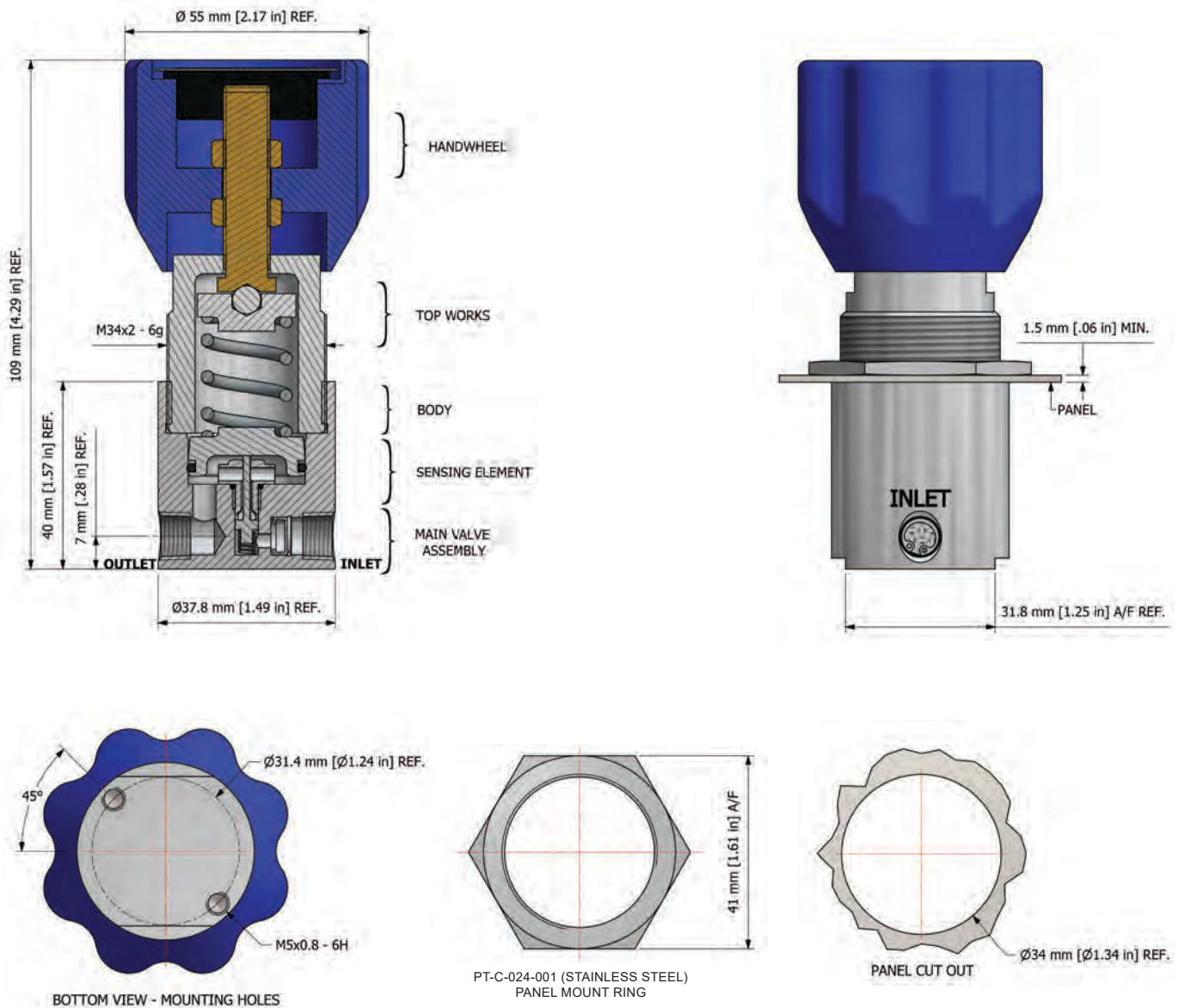
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DRAWINGS AND INSTALLATION DIMENSIONS

Dimensions shown for 1/8" NPT option - please contact the office for additional connections options.



Note:

All gauge ports are 1/8" NPT as standard

Position of mounting holes may vary depending on configuration

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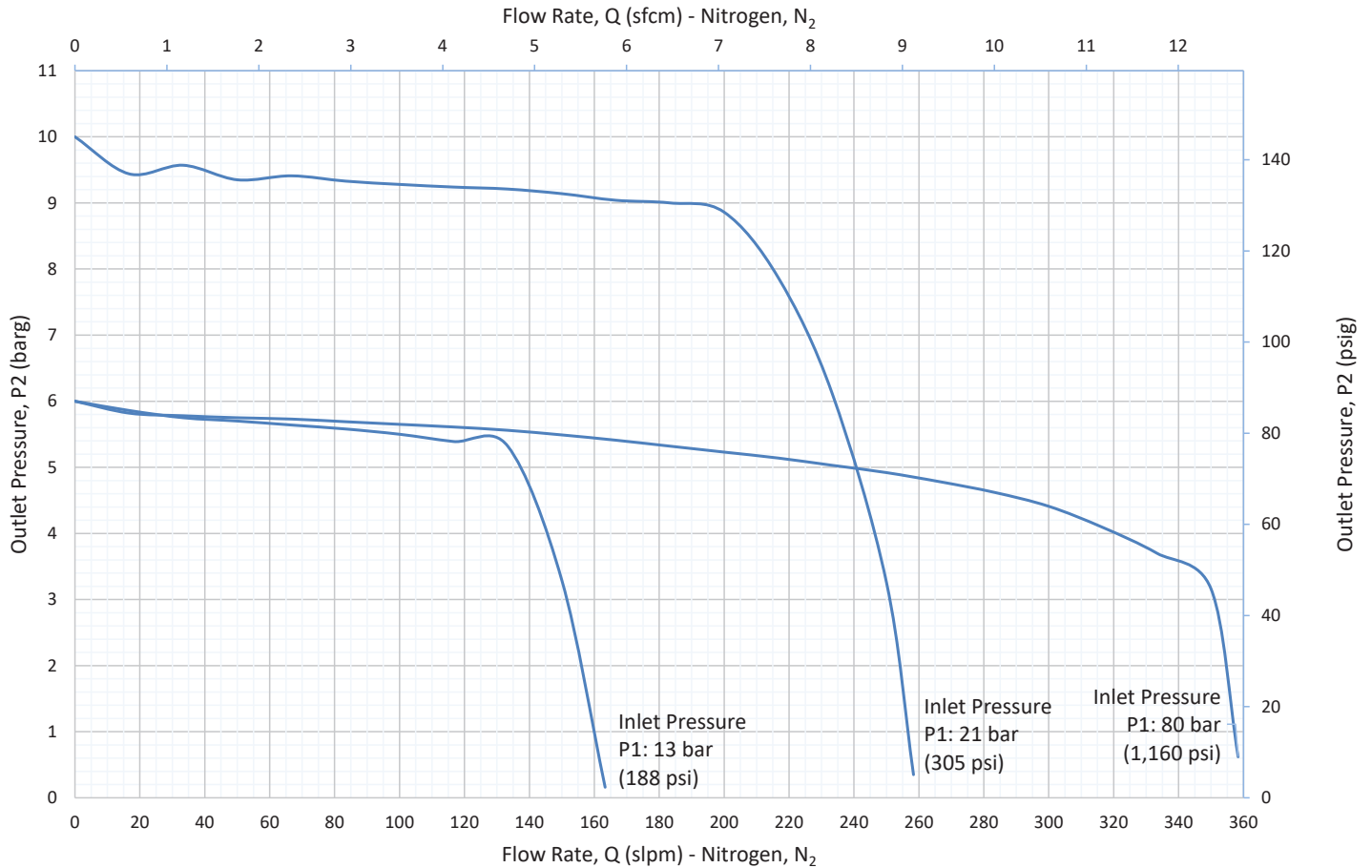
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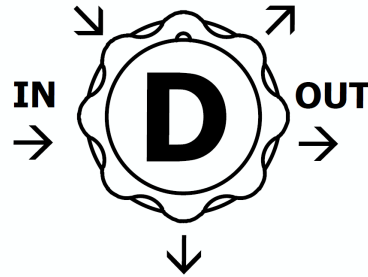
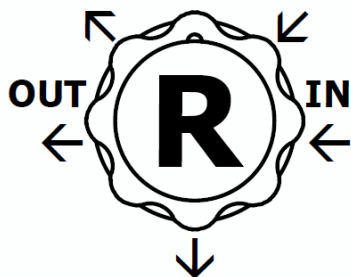
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FLOW CURVE



PORTING CONFIGURATIONS



Note:

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

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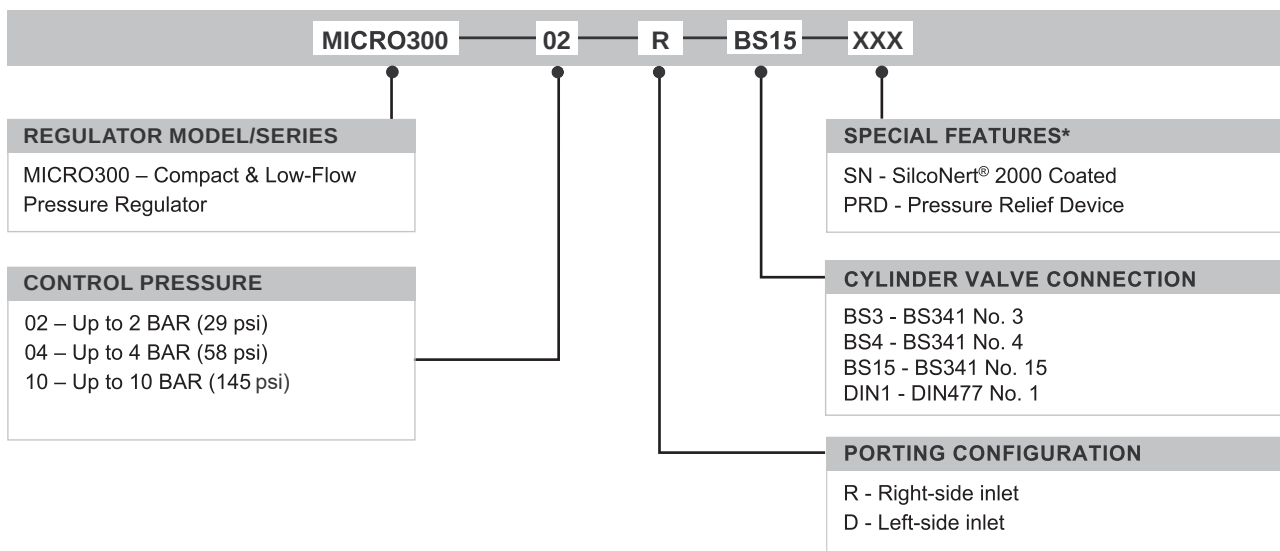
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ORDERING INFORMATION

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



OPTIONAL EXTRAS

	PART NUMBER	DESCRIPTION
Service Kit	SRK-MICRO300...	Various options available
Panel Mounting Ring	PT-C-024-001	-

Note:

Ancillary equipment also available

TRADEMARKS: PEEK™ is a trademark of Victrex PLC
Inconel® is a registered trademark of Inco Alloys International

* Where applicable
** Other connections/materials may be available - please contact the office

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