

MINI310 Datasheet

COMPACT & LOW-FLOW PRESSURE REGULATOR



● Gas ● Liquid | ● Diaphragm ● Piston | ● Self-Venting ● Non-Venting | Max Inlet: 414 bar (6,000 psi) | Max Outlet: 100 bar (1,450 psi) | Cv 0.06



INTRODUCING THE MINI310...

The MINI310 pressure regulator is a solid disk alternative to the MINI300, and is suitable for use on higher pressure applications. Its solid disk design allows for a wider range of seat materials, in addition to increased Cv and pressure combinations.

The MINI310 allows for a maximum working pressure of up to 414 bar (6,000 psi) when fitted with a PEEK™ seat.

SPECIFICATION

Max. Rated Inlet Pressure	414bar (6,000psi)
Outlet Ranges	Up to 100bar (1,450psi)
Design Proof Pressure	150% max. working pressure
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	0.5kg (1.1lbs)

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 / PEEK™
Valve Spring	Inconel® X750
Piston	AISI 316 / 316L Stainless Steel (UNS S31600 / S31603)
Handwheel	Nylon
'O'-Ring Seals	FKM / FPM
Loading Spring	AISI 302 Stainless Steel (UNS S30200)
Filter	40 Microns

FEATURES AND BENEFITS

1 PISTON SENSING ELEMENT

Perfect for use in challenging conditions.

2 SOLID DISK SEAT DESIGN

Perfect for use in aggressive or harsh conditions.

3 COMPACT DESIGN

Perfect for when installation space is restricted.

4 TOP WORK SELECTION

Available with knurled handwheel for applications that are limited by space.

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

PRESSURE TECH LTD

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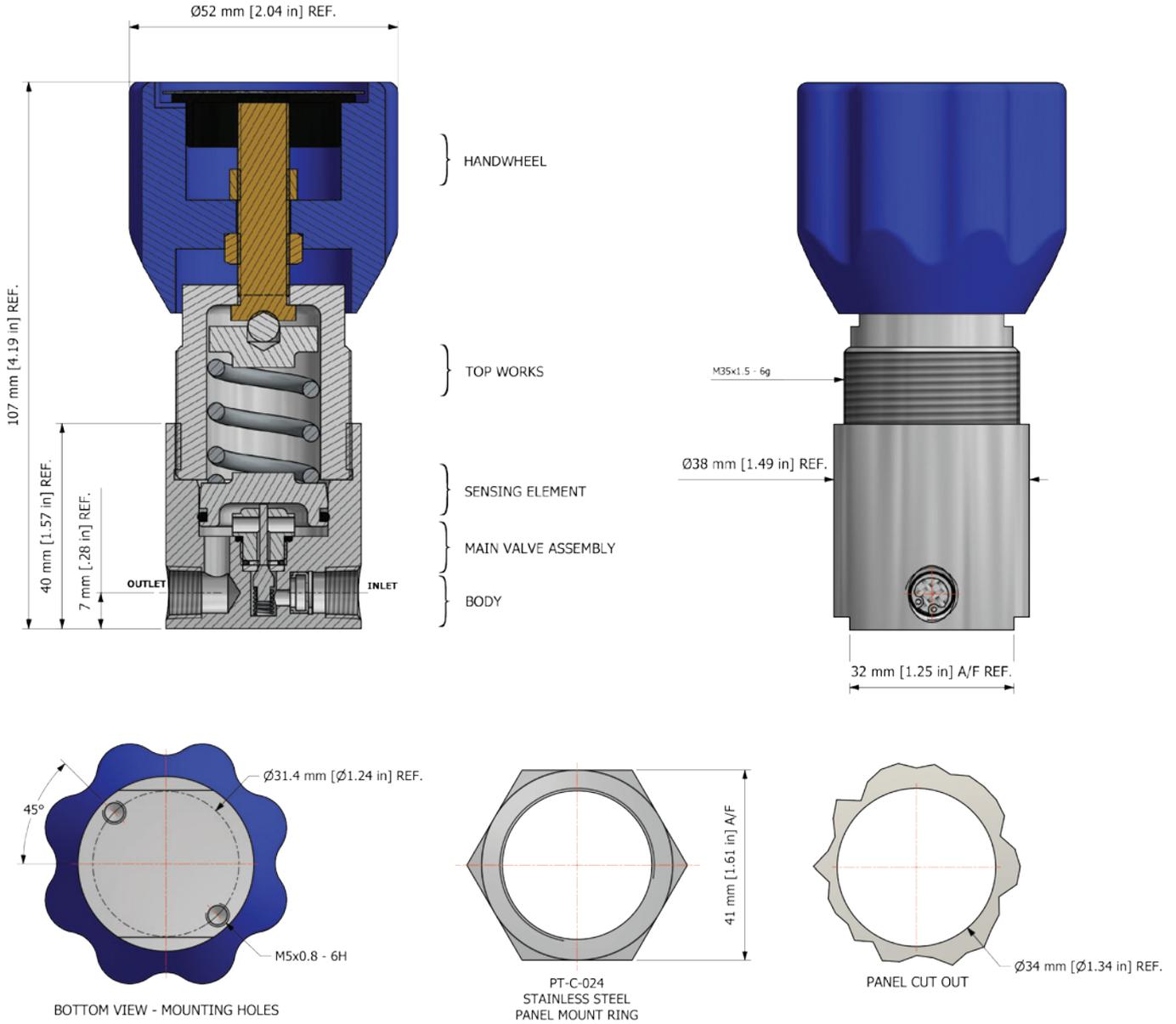
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DRAWINGS AND INSTALLATION DIMENSIONS

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



Note:

- All gauge ports are 1/4" NPT as standard.
- Position of mounting holes may vary depending on configuration.

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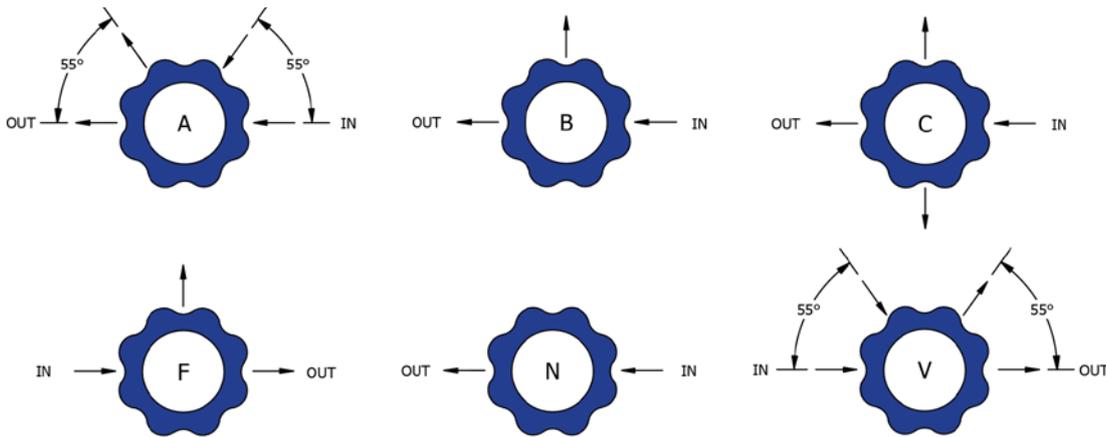


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FLOW CURVE

Please contact the office for further information.

PORTING CONFIGURATIONS



Note:

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

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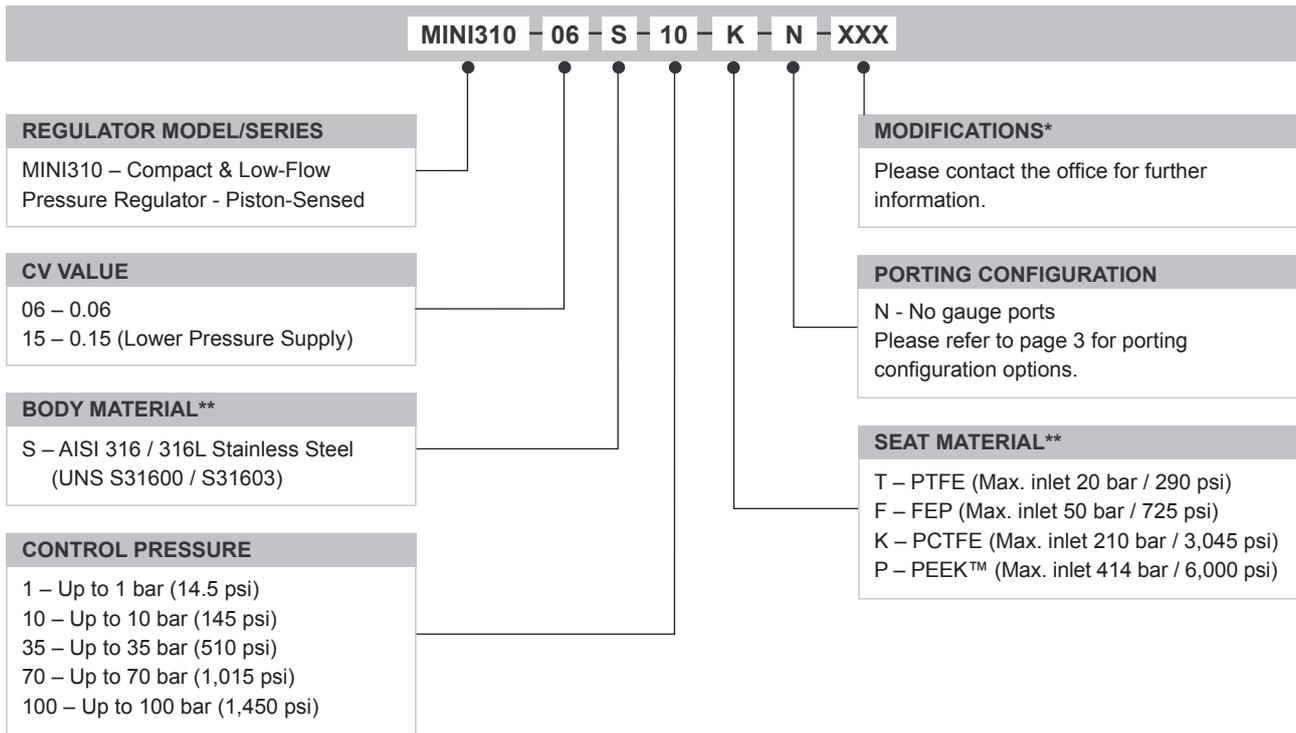
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ORDERING INFORMATION

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



OPTIONAL EXTRAS		
	PART NUMBER	DESCRIPTION
Service Kit	SRK-MINI310...	Various options available
Panel Mounting Ring	PT-C-024	-

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 materials may be available - please contact the office

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