CYLINDER REGULATOR ASSEMBLY





• Gas Liquid









Non-Venting

Max Inlet: 414 bar (6,000 psi)

Max Outlet: 35 bar (510 psi)

Cv 0.06



INTRODUCING THE CYL310...

The CYL310 pressure regulator can be supplied as a single- or two-stage gas cylinder regulator assembly with full safety pattern gauges, relief valve and isolation valve. Please note - the CYL310 is supplied as standard with a bottle connector.

Using our ordering system on page 4, customers can effectively design their own assembly to suit their individual application requirements.

SPECIFICATION

Max. Rated Inlet Pressure	414 bar (6,000 psi)*
Outlet Ranges	Up to 35 bar (510 psi)
Design Proof Pressure	150% max. working pressure
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	2kg (4.4lbs)

^{*} Pressure regulator rating may be limited by connection type

STANDARD MATERIALS OF CONSTRUCTION

PART	MATERIALS
Dady and Danas	AISI 316 / 316L Stainless Steel
Body and Bonnet	(UNS S31600 / S31603)
Main Value Din	AISI 316 / 316L Stainless Steel
Main Valve Pin	(UNS S31600 / S31603)
Soft Seat	PCTFE / PEEK™
Valve Spring	Inconel® X750
Diaphragm	Inconel® X750
Handwheel	Nylon
'O'-Ring Seals	FKM / FPM
Loading Spring	AISI 302 Stainless Steel (UNS S30200)
Filter	40 Microns

FEATURES AND BENEFITS

CUSTOMISABLE TO SUIT INDIVIDUAL **APPLICATION**

> Design assembly to suit customers' requirements.

SOLID DISK SEAT DESIGN

> Perfect for use in aggressive or harsh conditions.

40 MICRON **INLET FILTER**

> Soft seat protection from cylinder contamination.

INCONEL® X750 DIAPHRAGM

> For ultimate strength and reliability on clean or corrosive applications.

roduct 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





PRESSURE TECH LTD

Unit 24, Graphite Way, Hadfield, Glossop, Derbyshire, UK, SK13 1QH

T +44 (0)1457 899 307

E info@pressure-tech.com

W www.pressure-tech.com

CYLINDER REGULATOR ASSEMBLY



• Gas Liquid

• Diaphragm • Piston







Max Inlet: 414 bar (6,000 psi)

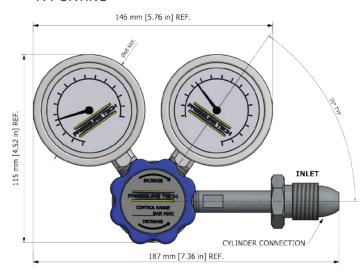
Max Outlet: 35 bar (510 psi)

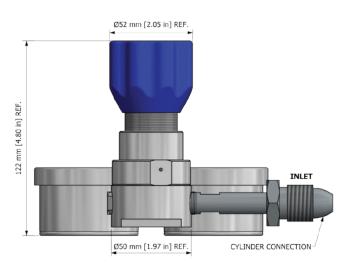
Cv 0.06

DRAWINGS AND INSTALLATION DIMENSIONS - SINGLE-STAGE REGULATOR SHOWN

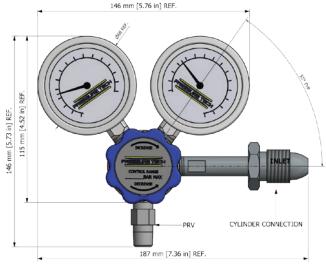
For cross-section of regulator, please refer to LF310 (single-stage) or TS310 (two-stage) datasheet.

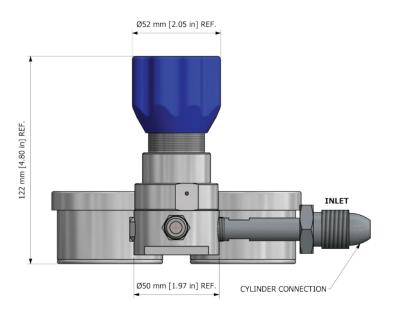
'A' PORTING





'R' PORTING





Note:

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

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CYLINDER REGULATOR ASSEMBLY



• Gas Liquid

• Diaphragm • Piston



Non-Venting

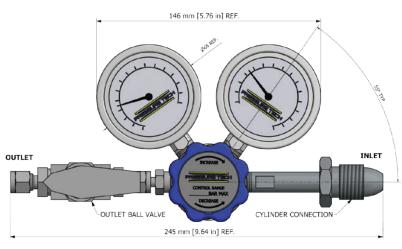
Max Inlet: 414 bar (6,000 psi)

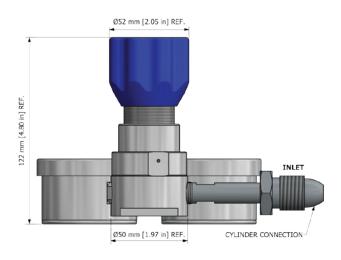
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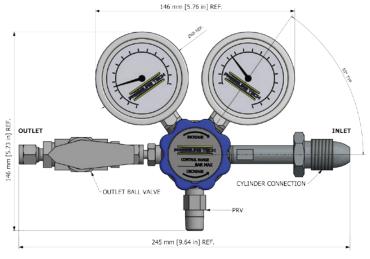
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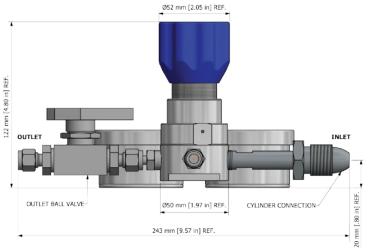
'AV' PORTING





'RV' PORTING





Note:

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• Gas Liquid

DiaphragmPiston





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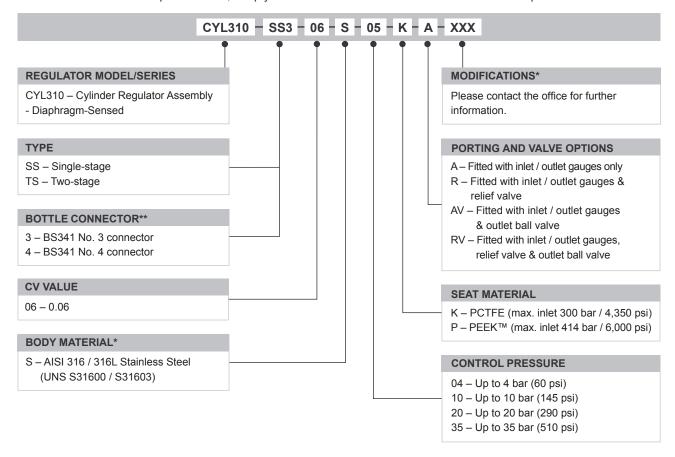
Cv 0.06

FLOW CURVE

Please contact the office for further information.

ORDERING INFORMATION

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



	PART NUMBER	DESCRIPTION
ervice Kit	SRK-CYL310	Various options available

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

- Other connections/materials may be available please contact the office
- ** Bottle connectors are supplied as standard. They are available to meet BS341, DIN477, CGA and other specifications - please contact the office

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