

# CYL540 Datasheet

CYLINDER REGULATOR ASSEMBLIES



Gas  
  Liquid  
  Diaphragm  
  Piston  
  Self-Venting  
  Non-Venting  
 Max Inlet: 550 bar (7,975 psi)  
 Max Outlet: 414 bar (6,000 psi)  
 Cv 0.1



## INTRODUCING THE CYL540...

The CYL540 pressure regulator is a single-stage gas cylinder regulator. It is supplied as standard with a bottle connector and full safety pattern gauges. Optional relief valve and isolation valves may be added.

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

The CYL540 incorporates the LF540 regulator - further details may be found on the LF540 datasheet.

## SPECIFICATION

Max. Rated Inlet Pressure	550 bar (7,975 psi)*
Outlet Ranges	Up to 414 bar (6,000 psi)
Design Proof Pressure	150% max. working pressure
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	kg (lbs)

\* Pressure regulator rating may be limited by connection type

## STANDARD MATERIALS OF CONSTRUCTION

PART	MATERIALS
vBody and Bonnet	AISI 316 / 316L Stainless Steel (UNS S31600 / S31603)
Main Valve Pin	AISI 316 / 316L Stainless Steel (UNS S31600 / S31603)
Soft Seat	PEEK™
Valve Spring	AISI 316 S42 Stainless Steel
Piston	AISI 316 / 316L Stainless Steel (UNS S31600 / S31603)
Handwheel	Nylon
'O'-Ring Seals	FKM / FPM
Loading Spring	Silicon Chrome Wire
Filter	40 Microns

## FEATURES AND BENEFITS

### 1 COMPACT DESIGN

Design assembly to suit customers' requirements.

### 2 SELF- OR NON-VENTING

Versatile use for a range of applications.

### 3 40 MICRON INLET FILTER

Soft seat protection from cylinder contamination.

### 4 PISTON SENSING ELEMENT

Perfect for use in challenging conditions.

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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## CYLINDER REGULATOR ASSEMBLIES

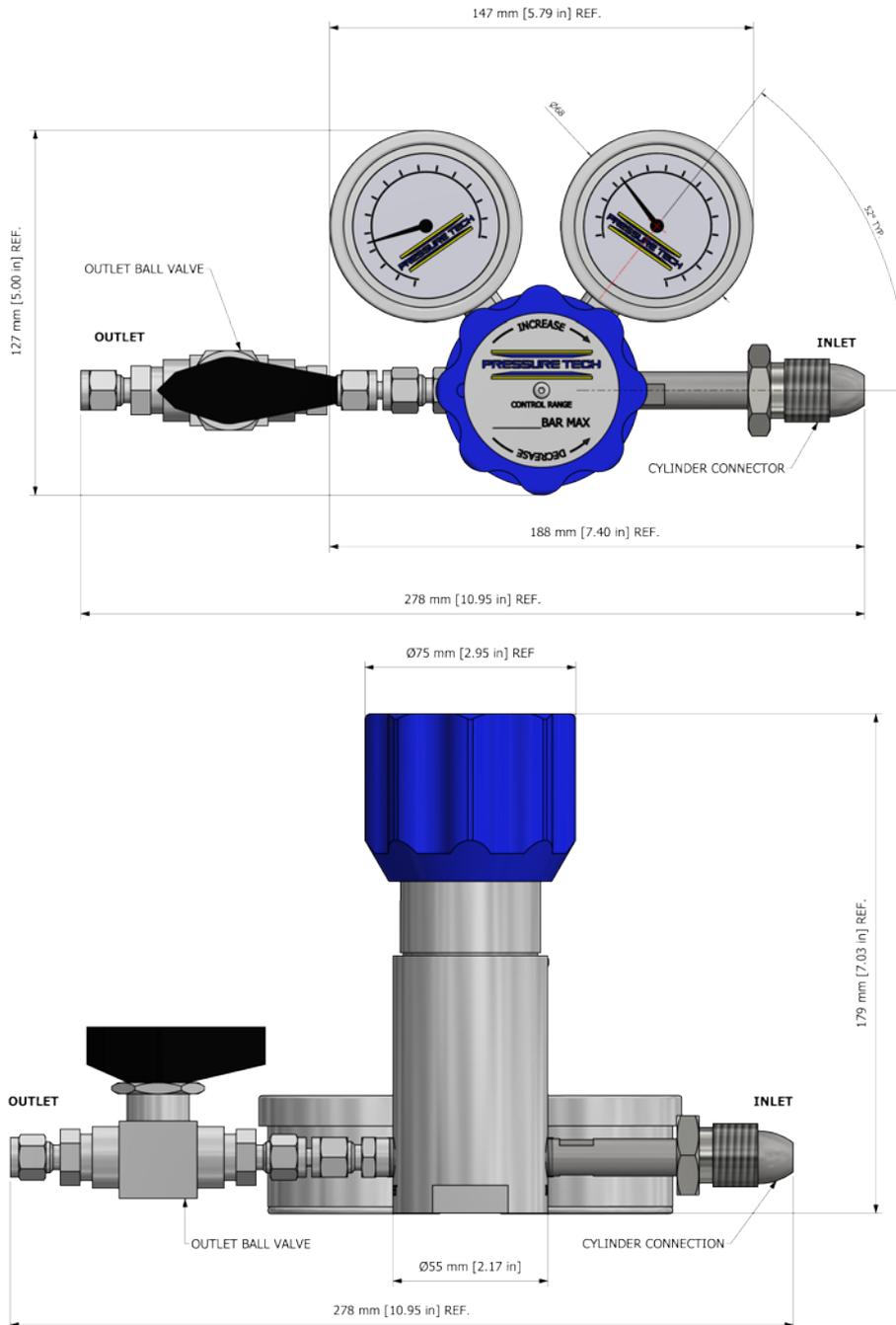


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### DRAWINGS AND INSTALLATION DIMENSIONS

For cross-section of regulator, please refer to LF540 datasheet.

#### 'AV' PORTING



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

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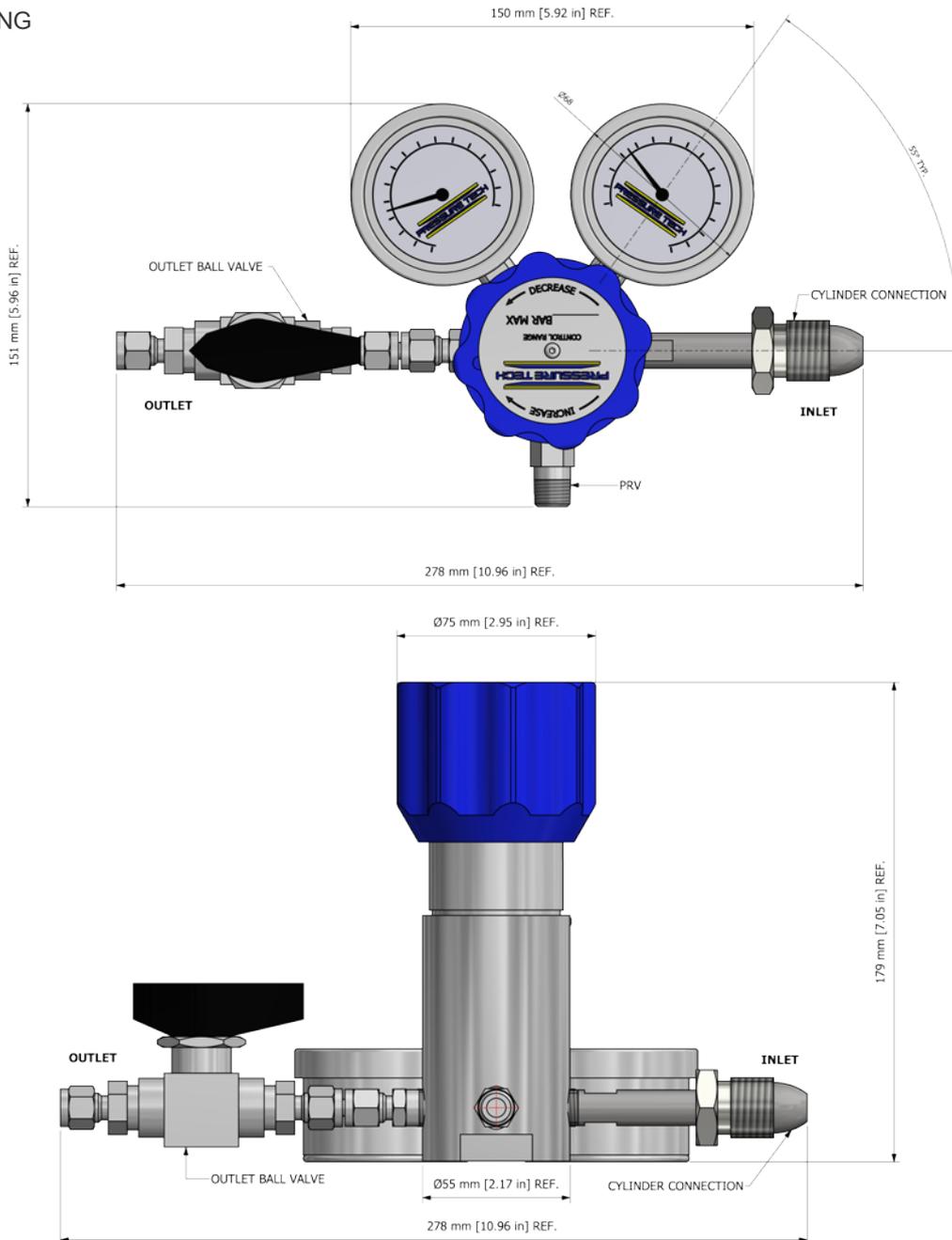
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## CONTINUED... 'RV' PORTING



## FLOW CURVE

Please contact the office for further information.

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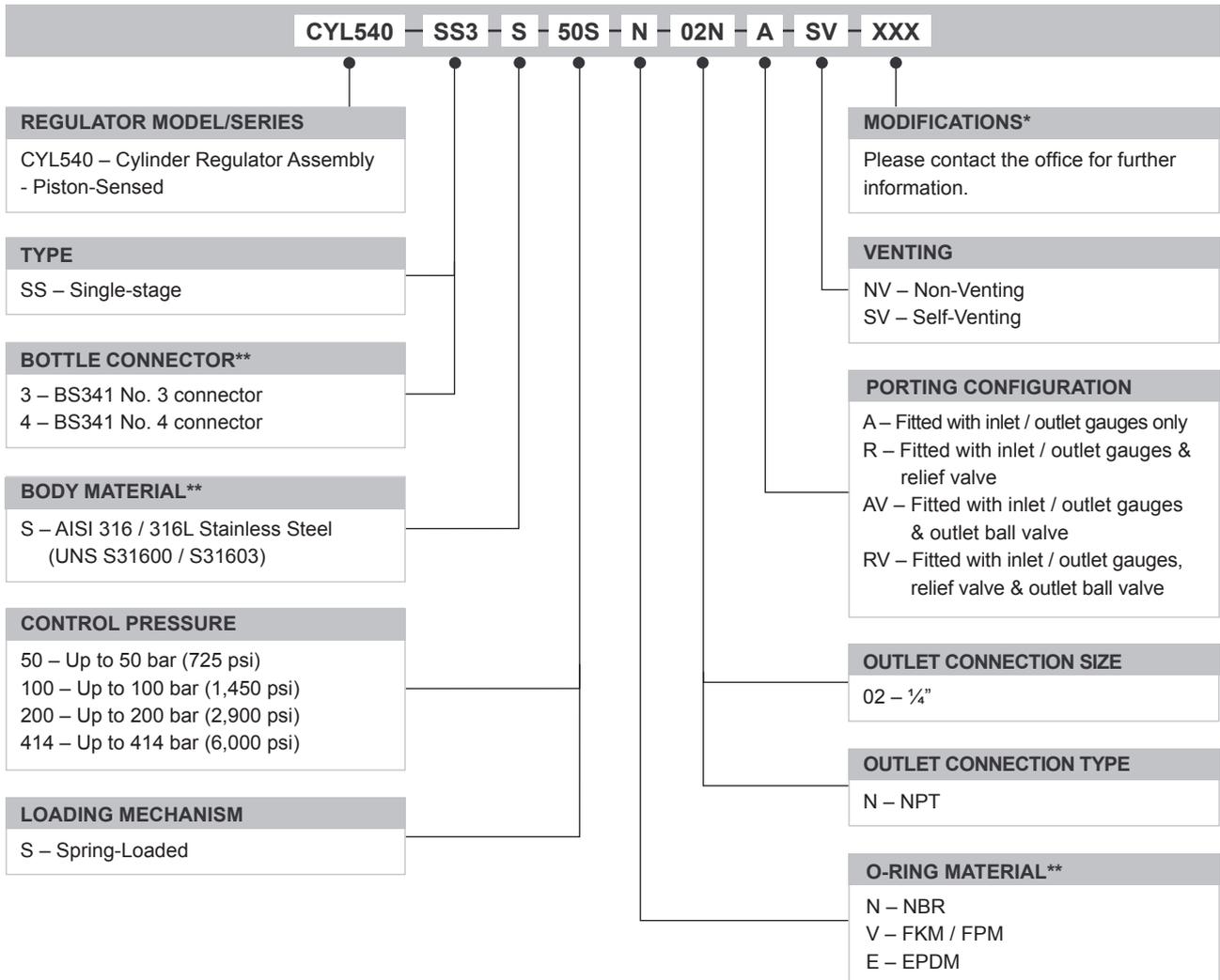
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## ORDERING INFORMATION

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



OPTIONAL EXTRAS		
	PART NUMBER	DESCRIPTION
Service Kit	SRK-LF540...	Various options available

*Note:*  
Ancillary equipment also available

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

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

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