

# SS-COM301 Datasheet

## SUBSEA COMBINATION PRESSURE REGULATOR



● Gas ● Liquid | ● Diaphragm ● Piston | ● Self-Venting ● Non-Venting | Max Inlet: 300 bar (4,350 psi) | Max Outlet: 50 bar (725 psi) | Cv 0.5



### INTRODUCING THE SS-COM301...

The SS-COM301 is a subsea combination piston-sensed regulator, incorporating our MF101 and BP301 regulators in one body.

It features a balanced main valve design as standard, but is also available in an unbalanced option. Its MP35N main valve spring has been carefully selected for its high strength and corrosion-resistant properties to suit sea water conditions.

### SPECIFICATION

Max. Rated Inlet Pressure	300 bar (4,350 psi)
Outlet Ranges	Up to 50 bar (725 psi)
Design Proof Pressure	150% max. working pressure
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	kg (lbs)

### STANDARD MATERIALS OF CONSTRUCTION

PART	MATERIALS
Body and Bonnet	ASTM A479 Duplex Stainless Steel (UNS S31803)
Main Valve Pin	ASTM A479 Duplex Stainless Steel (UNS S31803)
Seat	PCTFE (Kel-F)
Valve Spring	MP35N (UNS R30035)
Piston	ASTM A479 Duplex Stainless Steel (UNS S31803)
O-Rings	NBR N70 (Nitrile Buna N)
Loading Spring	Elgiloy® (UNS R30003)

*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

#### 1 SUBSEA OPERATION

Regulator designed specifically for subsea applications and operation.

#### 2 PISTON SENSING ELEMENT

Perfect for use in challenging conditions.

#### 3 MP35N VALVE SPRING MATERIAL

Very high strength with excellent corrosion resistance for use subsea.

#### 4 BALANCED DESIGN

Improved control across the pressure range.

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.



#### PRESSURE TECH LTD

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

+44 (0)1457 899 307 | [sales@pressure-tech.com](mailto:sales@pressure-tech.com) | [www.pressure-tech.com](http://www.pressure-tech.com)

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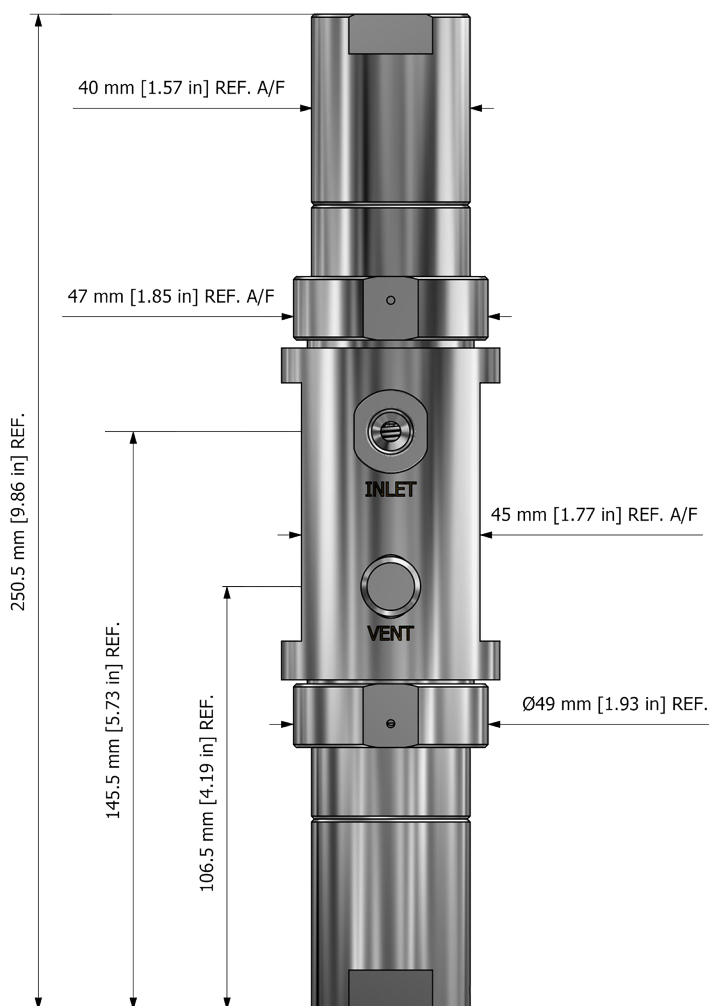
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## DRAWINGS AND INSTALLATION DIMENSIONS

Dimensions shown for 1/4" BSPP 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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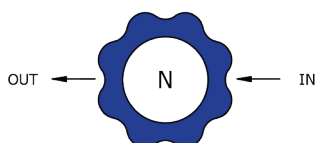


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## FLOW CURVE

Please contact the office for further information.

## PORTING CONFIGURATIONS



### Note:

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

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## ORDERING INFORMATION

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

SS-COM301 - 05 - D - 20 - N - K - 02N - N - XXX								
<b>MODEL</b>								
SS-COM301								
<b>CV VALUE</b>								
05 – 0.5 06 - 0.06								
<b>BODY MATERIAL **</b>								
D – ASTM A479 Duplex Stainless Steel (UNS S31803) D2 - ASTM A479 Super Duplex Stainless Steel (UNS S32760)								
<b>CONTROL PRESSURE</b>								
10 – Up to 10 bar (145 psi) 20 – Up to 20 bar (290 psi) 35 – Up to 35 bar (510 psi) 50 – Up to 50 bar (725 psi)								
<b>O-RING MATERIAL **</b>								
N – NBR V – FPM/FKM								