

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)

Note: Pressure regulator rating may be limited by connection type, Cv and/or seat material. Contact the office for specific pressure requirements.

STANDARD MATERIALS OF CONSTRUCTION

PART	MATERIALS
Body and Bonnet	ASTM A479 Duplex Stainless Steel (UNS S31803) <i>Approx. Temperatures: -50°C to 315°C</i>
Main Valve Pin	ASTM A479 Duplex Stainless Steel
Seat	PCTFE (Kel-F) <i>Approx. Temperatures: -196°C to 180°C</i>
Valve Spring	MP35N (UNS R30035) <i>Approx. Temperatures: -196°C to 450°C</i>
Piston	ASTM A479 Duplex Stainless Steel
O-Rings	NBR N70 (Nitrile Buna N) <i>Approx. Temperatures: -30°C to 120°C</i>
Loading Spring	Elgiloy® (UNS R30003) <i>Approx. Temperatures: -196°C to 450°C</i>

For the full list of material temperature ranges, please visit www.pressure-tech.com.

Note: Temperature details are provided as nominal values for guidance purposes only. No warranty is made, expressed or implied. Contact the office for specific 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
 T +44 (0)1457 899 307
 E sales@pressure-tech.com
 W www.pressure-tech.com

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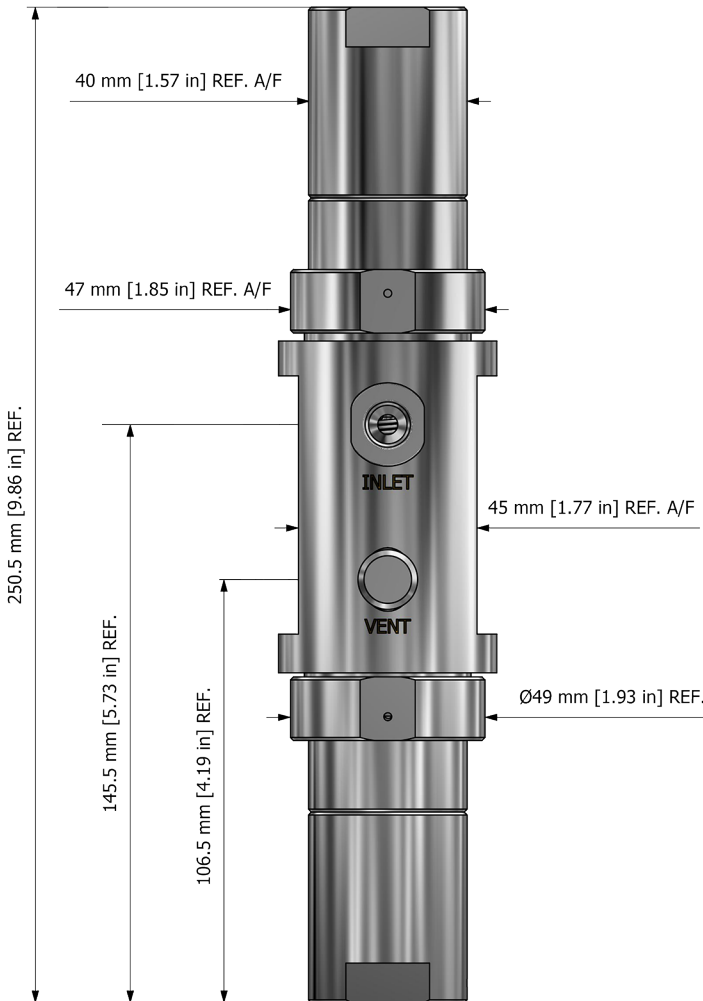
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DRAWINGS AND INSTALLATION DIMENSIONS

Dimensions shown for 1/4" BSSP option - please contact the office for additional connection options.



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

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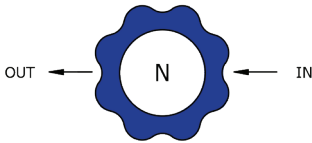


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FLOW CURVE

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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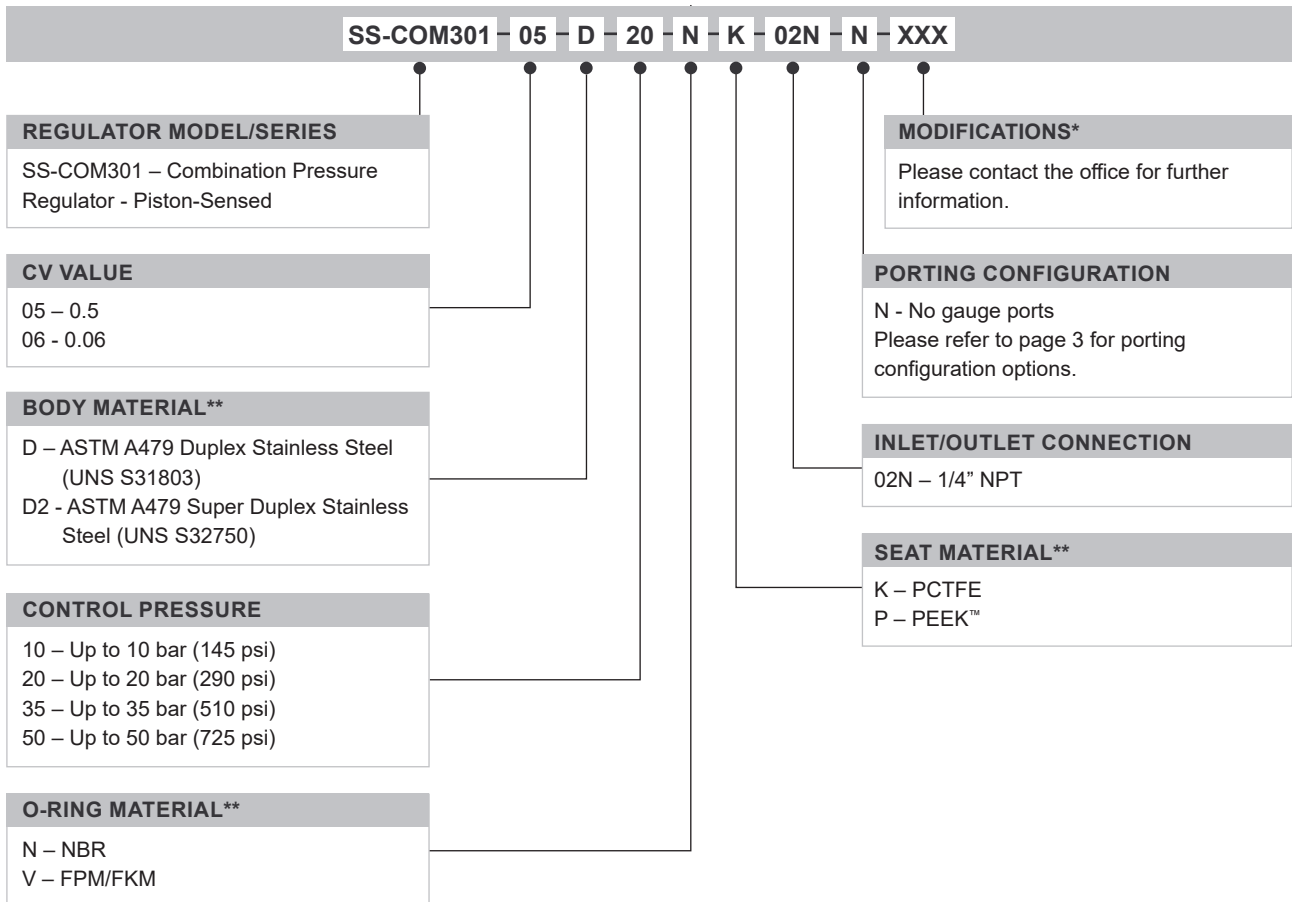
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ORDERING INFORMATION

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



OPTIONAL EXTRAS		
	PART NUMBER	DESCRIPTION
Service Kit	SRK-SS-COM301	Various options available.

Note: Ancillary equipment also available

TRADEMARKS: Inconel® is a registered trademark of Inco Alloys International

* Where applicable

** Other materials may be available - please contact the office

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