

# SS414 Datasheet

SUBSEA HYDRAULIC PRESSURE REGULATOR

PRESSURE TECH

Gas

Liquid

Diaphragm

Piston

Self-Venting

Non-Venting

Max Inlet: 414 bar (6,000 psi)

Max Outlet: 250 bar (3,625 psi)

Cv 2.0



## INTRODUCING THE SS414...

The SS414 is a piston-sensed medium-flow subsea pressure regulator with ceramic seating for water-based hydraulic oil applications and systems, or PEEK™ for gas applications. With a **balanced main valve** as standard, it provides stable control under varying inlet pressures.

Operating at depths of up to 3,000m (10,000ft), the SS414 uses either the external seawater pressure as a reference or works within a sealed chamber to remain completely unaffected by atmospheric conditions.

## SPECIFICATION

Max. Rated Inlet Pressure	414 bar (6,000 psi)
Outlet Ranges	Up to 250 bar (3,625 psi)
Design Proof Pressure	150% max. working pressure
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	10.5kg (23.1lbs)

## FEATURES AND BENEFITS

<b>1</b> SUITABLE FOR DEEP WATERS	<b>2</b> ANTI-TAMPER LOCKING CAP	<b>3</b> ELGILOY® SPRING	<b>4</b> OPTIONAL ROV HANDWHEEL
Can operate at depths of up to 3,000 metres (10,000ft).	Cap prevents unwanted pressure adjustments to the regulator.	Very high strength with excellent corrosion resistance for sea water ref options..	Optional bucket handwheel design for ROV operation.

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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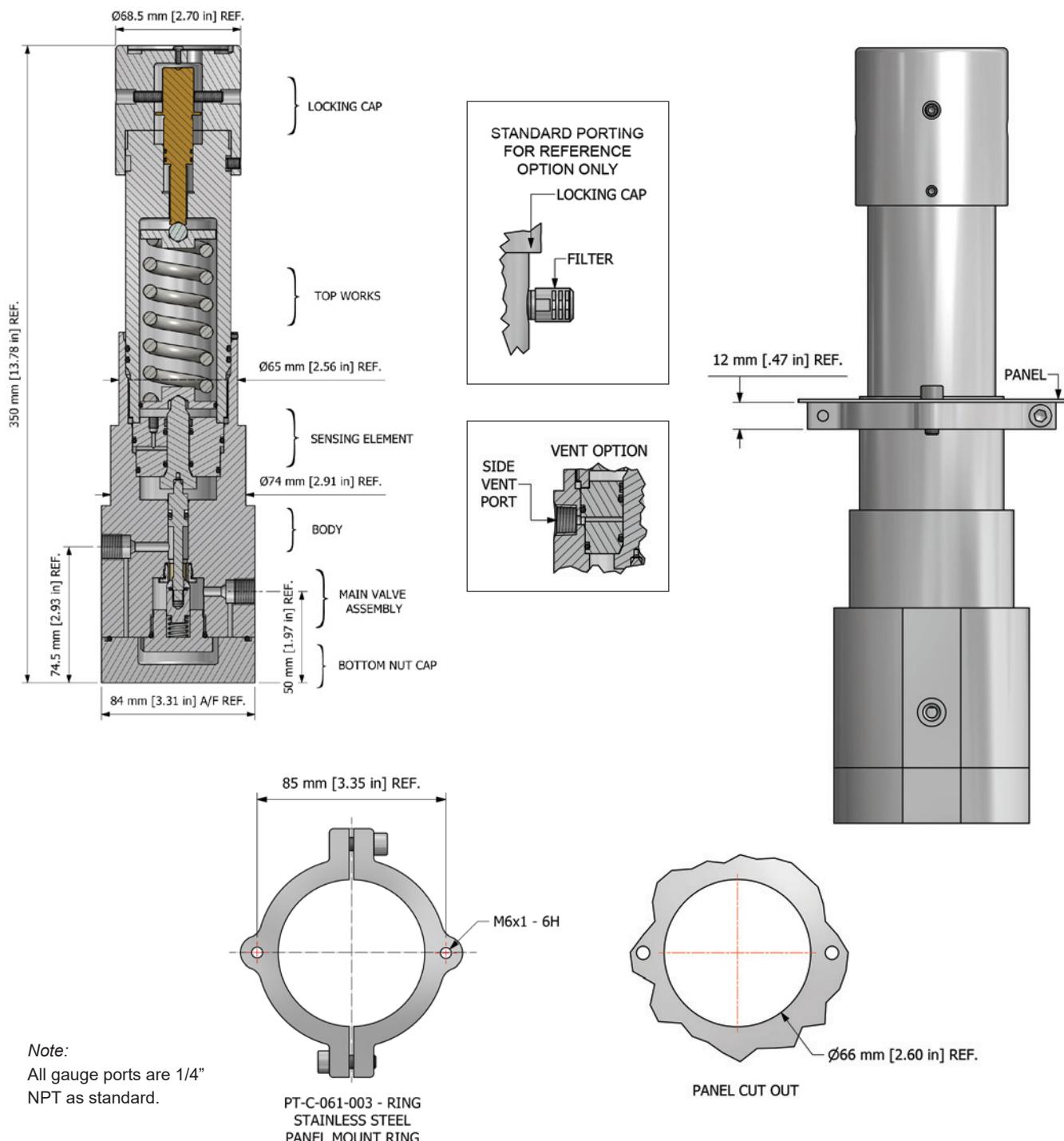
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## DRAWINGS AND INSTALLATION DIMENSIONS

Dimensions shown for  $\frac{3}{8}$ " MP non-venting option - please contact the office for additional connection options.



**Note:**

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

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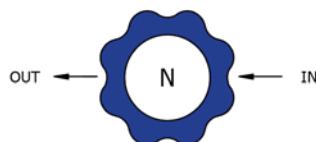
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## FLOW CURVE

Please contact the office for further information.

## PORTING CONFIGURATIONS



*Note:*

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

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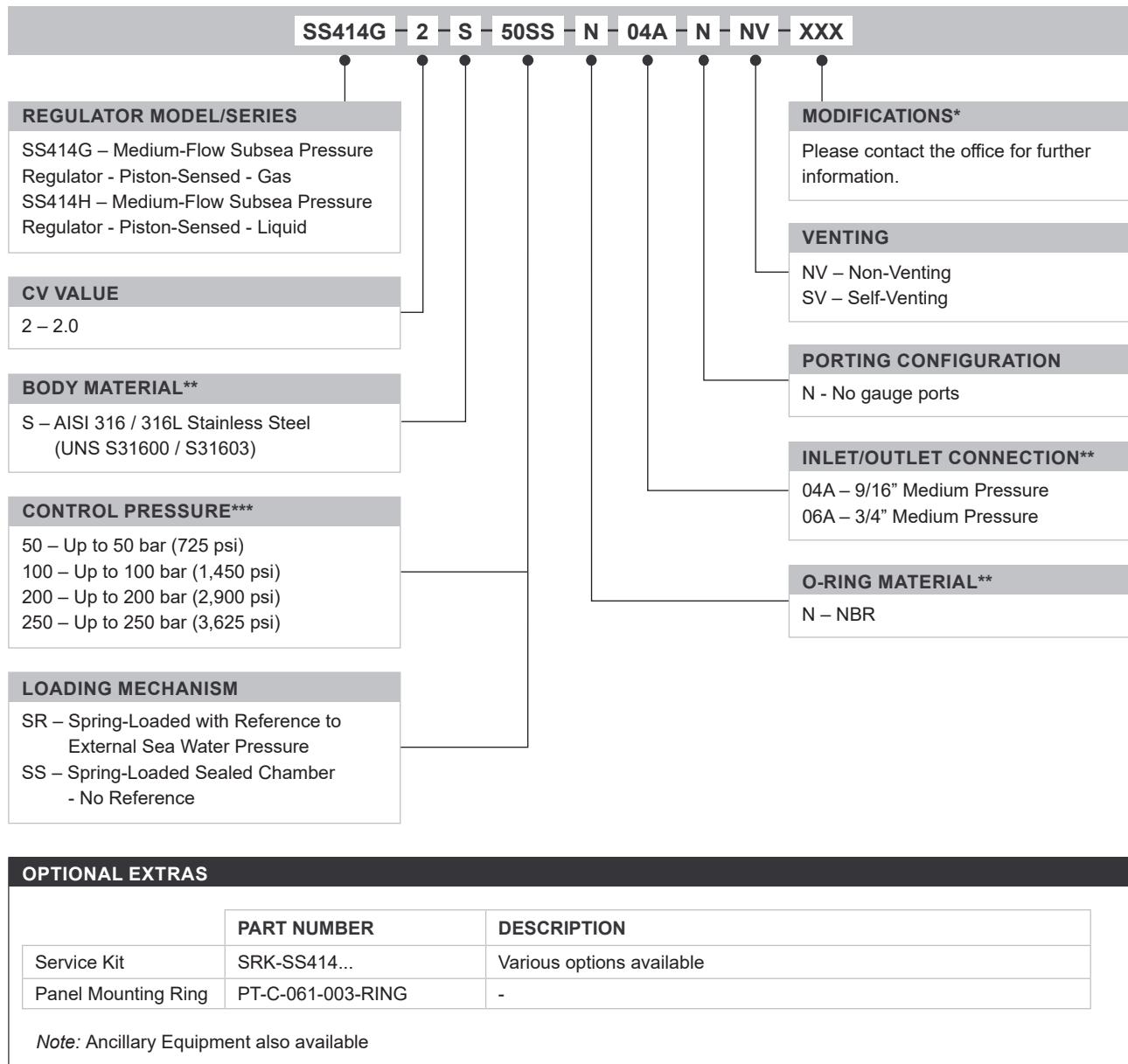
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## ORDERING INFORMATION

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



**TRADEMARK:** Elgiloy® is a registered trademark of Elgiloy Specialty Metals

\* Where applicable

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

\*\*\* Minimum control pressure 100 bar (1,450 psi) for hydraulic option

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