

# SS-BP400 Datasheet

SUBSEA BACK PRESSURE REGULATOR



Gas  
  Liquid  
  Diaphragm  
  Piston  
  Self-Venting  
  Non-Venting  
 Max Inlet: 400 bar (5,800 psi)  
 Max Outlet: 10 bar (145 psi)  
 Cv 2.0



## INTRODUCING THE SS-BP400...

The SS-BP400 is a medium-flow subsea back pressure regulator with 1:1 tracking ratio to reference subsea pressure. Its reference port is located in an adjustable collar beneath the locking cap, enabling users to manually rotate through 360° to suit their application.

Capable of operating at depths of up to 3,000 metres (10,000 ft) and with a **balanced main valve** as standard it provides stable control under varying inlet pressures and can handle higher flow rates.

## SPECIFICATION

Max. Rated Inlet Pressure	400 bar (5,800 psi)
Outlet Ranges	Up to 10 bar (145 psi)
Design Proof Pressure	150% max. working pressure
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	9kg (19.8lbs)

\* Pressure regulator rating may be limited by connection type, Cv and/or seat material

## STANDARD MATERIALS OF CONSTRUCTION

PART	MATERIALS
Body and Bonnet	AISI 316/316L Stainless Steel (UNS S31600/S31603)
Main Valve Pin	AISI 316/316L Stainless Steel (UNS S31600/S31603) or Ceramic
Seat	PCTFE
Valve Spring	MP35N (UNS R30035)
Piston	AISI 316/316L Stainless Steel (UNS S31600/S31603)
Locking Cap	AISI 316/316L Stainless Steel (UNS S31600/S31603)
O-Rings	NBR
Loading Spring	MP35N (UNS R30035)

## FEATURES AND BENEFITS

### 1 SUITABLE FOR DEEPER WATERS

Can operate at depths of up to 3,000 metres (10,000ft).

### 2 PISTON SENSING ELEMENT

Perfect for use in challenging conditions.

### 3 BALANCED MAIN VALVE DESIGN

Improved control across the pressure range.

### 4 OPTIONAL REMOTE OPERATION

Optional ROV handwheel or subsea multi-turn electric actuator.

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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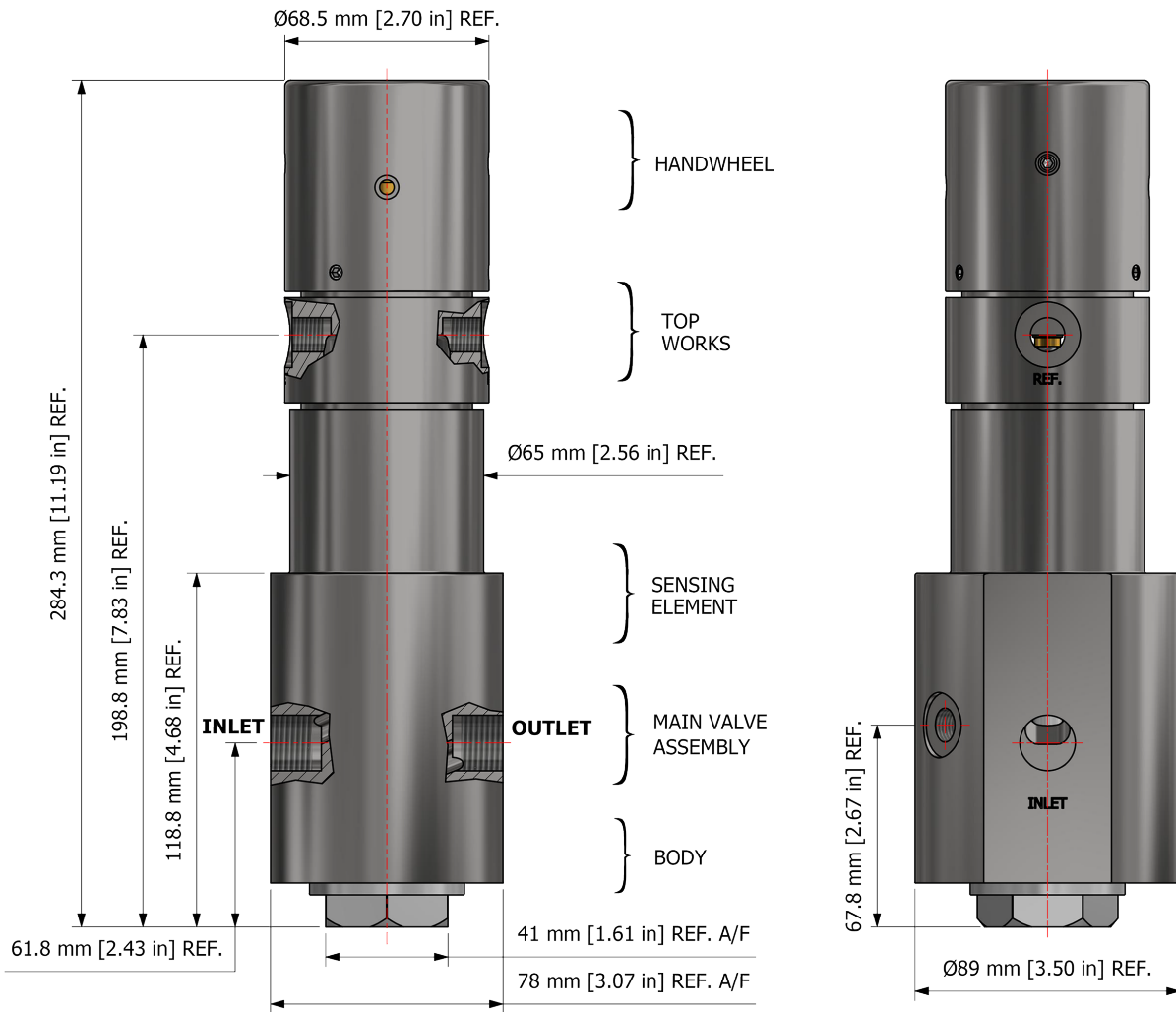
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## DRAWINGS AND INSTALLATION DIMENSIONS

Dimensions shown for 1/2" BSSP option - please contact the office for additional connection/gauge options.



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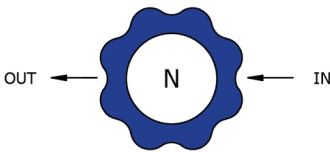


Gas  Liquid |  Diaphragm  Piston |  Self-Venting  Non-Venting | Max Inlet: 400 bar (5,800 psi) | Max Outlet: 10 bar (145 psi) | Cv 2.0

## 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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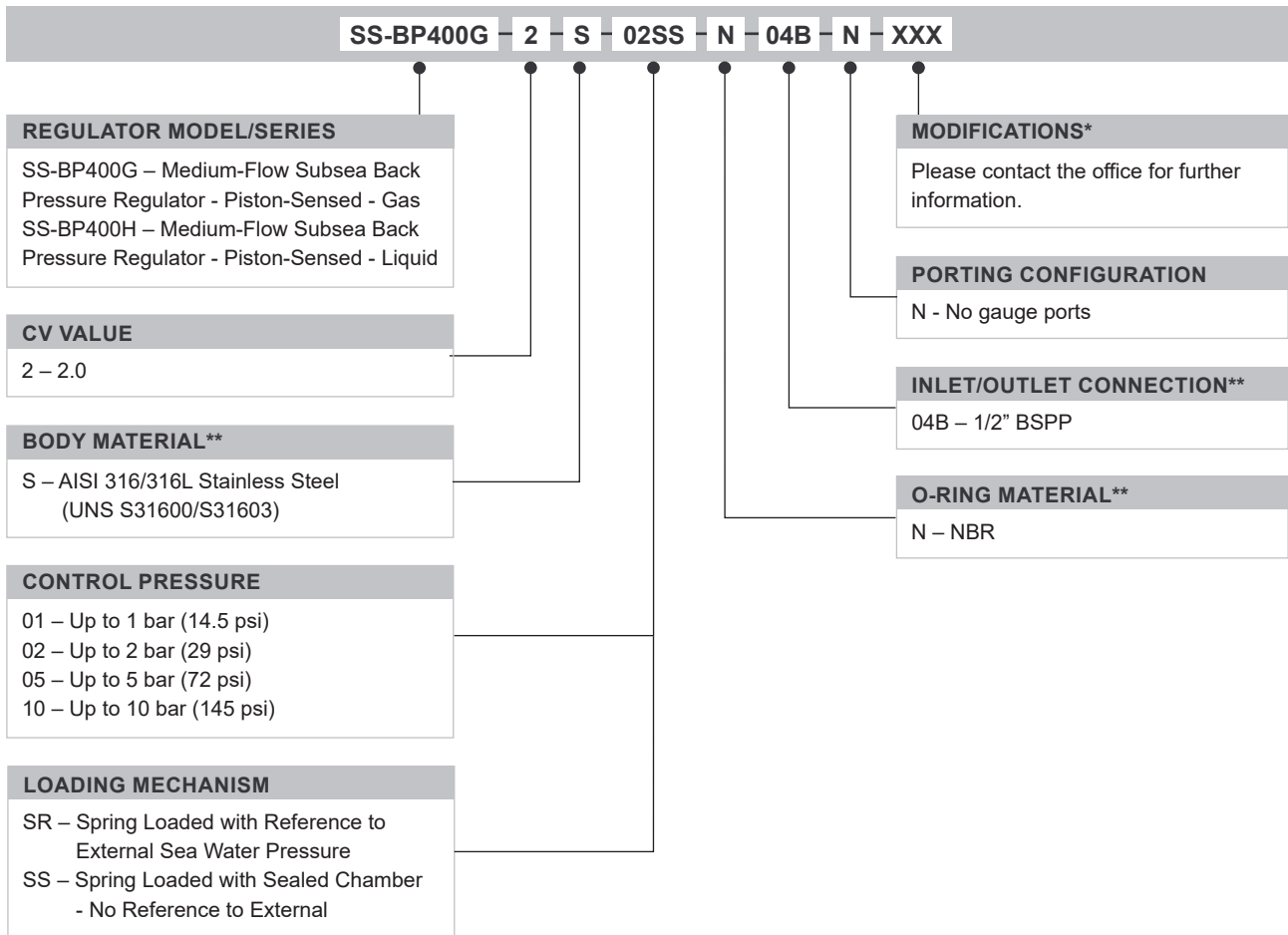
SUBSEA BACK PRESSURE REGULATOR



● Gas ● Liquid | ● Diaphragm ● Piston | ● Self-Venting ● Non-Venting | Max Inlet: 400 bar (5,800 psi) | Max Outlet: 10 bar (145 psi) | Cv 2.0

## 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-BP400-2-N...	PCTFE seat and NBR o-rings.

*Note:* Ancillary equipment also available

\* Where applicable

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

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