BUILT-IN BREATHING SYSTEM BACK PRESSURE REGULATOR



• Gas Liquid

Diaphragm Piston

Self-Venting

Non-Venting

Max Rating: 50bar (725psi)

Control Range: 30bar (435psi)

Cv 2.0



INTRODUCING THE BIBS-100...

The BIBS-100 is a negative-biased, dome-loaded back pressure regulator for gas applications. It offers fine adjustment of the bias spring for enhanced process control.

Its balanced main valve design minimises load on the seat and provides stable pressure control. In addition, servicing is simplified with easy access to the seat cartridge from the base of the regulator.

SPECIFICATION

Max Rating	50bar (725psi)
Control Range	Up to 30bar (435psi) Bias
Design Proof Pressure	150% max WP
Bias Spring	Up to 3bar (45psi)
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	6.5kg (14.3lbs)

STANDARD MATERIALS OF CONSTRUCTION

PART	MATERIALS
Body and Bonnet	AISI 316 / 316L Stainless Steel
Body and Bonnet	(UNS S31600 / S31603) or Brass
Main Valve Pin	AISI 316 / 316L Stainless Steel
Main valve Pin	(UNS S31600 / S31603) or Brass
Soft Seat	PCTFE
Value Cavine	AISI 302 S26 Stainless Steel
Valve Spring	(UNS S30100)
51.4	AISI 316 / 316L Stainless Steel
Piston	(UNS S31600 / S31603)
'O'-Ring Seals	FKM / FPM
Coming	AISI 316 / 316L Stainless Steel
Spring	(UNS S31600 / S31603)

FEATURES AND BENEFITS

LARGE SENSITIVE 1 ELASTOMERIC DIAPHRAGM

> Provides accurate pressure regulation.

2 SEAT CARTRIDGE EASY ACCESS TO

> Simplified servicing through base of regulator.

FINE ADJUSTMENT OF BIAS SPRING

> Enhanced control of process and set-up.

4 CV 2.0

Supports applications with a large flow.

NOTE: 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.





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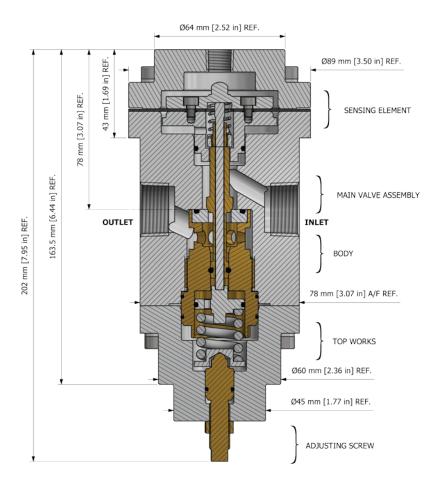
Max Rating: 50bar (725psi)

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Cv 2.0

DRAWINGS AND INSTALLATION DIMENSIONS

Dimensions shown for 3/4" NPT option - please contact the office for additional connections options.





Note:

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

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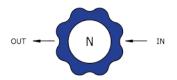
Control Range: 30bar (435psi)

Cv 2.0

FLOW CURVE

Please contact the office for further information.

PORTING CONFIGURATIONS



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• Diaphragm • Piston



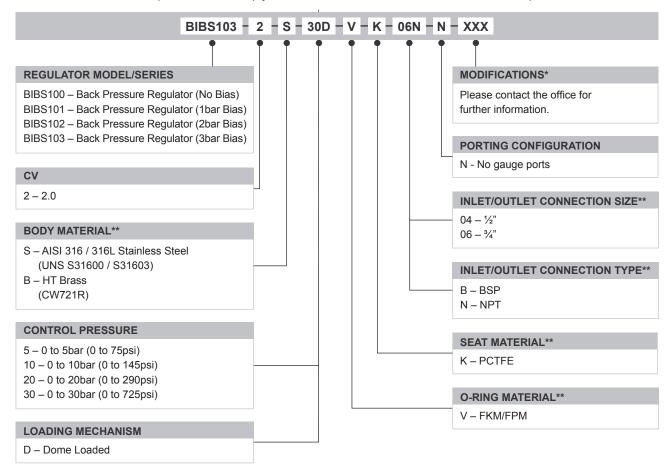
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Cv 2.0

ORDERING INFORMATION

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



	PART NUMBER	DESCRIPTION
ervice Kit	SRK-BIBS100	Various options available
anel Mounting Ring	PT-C-024	-

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^{*} Where applicable

^{**} Other materials may be available - please contact the office