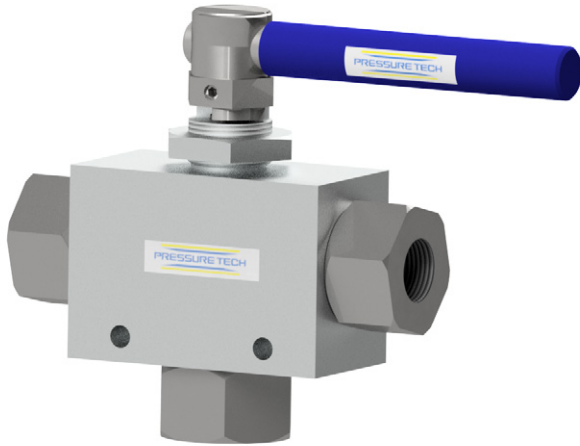


TBV Datasheet

HIGH PRESSURE TRUNION BALL VALVE



● Gas ● Liquid | Max Working Pressure: 1,380bar (20,000psi)



INTRODUCING THE TBV...

The TBV is a high pressure trunion ball valve, offering up to 1,380bar (20,000psi) maximum working pressure. Its heavy duty design is perfect for severe service applications.

Its pivotal seat minimises breakout torque under pressure, whilst its blow-out proof stem safety feature offers protection for peace of mind. In addition, the TBV also features automatic body cavity pressure relief.

SPECIFICATION

Max Working Pressure	1,380bar (20,000psi)
Design Proof Pressure	150% max WP
Seat Leakage	In accordance with ANSI/FCI 70-3
Breakout Torque	35Nm
Weight	1/4" MP (02A): 1.5kg (3.31lbs) 3/8" MP (03A): 1.7kg (3.75lbs) 1/2" MP (04A): 2.7kg (5.95lbs)

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)
Soft Seat	PEEK™
Handle	AISI 17-4PH Stainless Steel (UNS S17400)
'O'-Ring Seals	NBR or FKM / FPM

FEATURES AND BENEFITS

1 HEAVY DUTY DESIGN Ideal for severe service applications.	2 PIVOTAL SEAT Minimises breakout torque.	3 BI-DIRECTIONAL FLOW Enables media flow in both directions.	4 BLOW-OUT PROOF STEM Safety feature for user protection.	5 BODY CAVITY PRESSURE RELIEF Automatically relieve body cavity over-pressure.
--	---	--	---	--

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

Unit 24, Graphite Way, Hadfield, Glossop, Derbyshire, UK, SK13 1QH
T +44 (0)1457 899 307
E info@pressure-tech.com
W www.pressure-tech.com

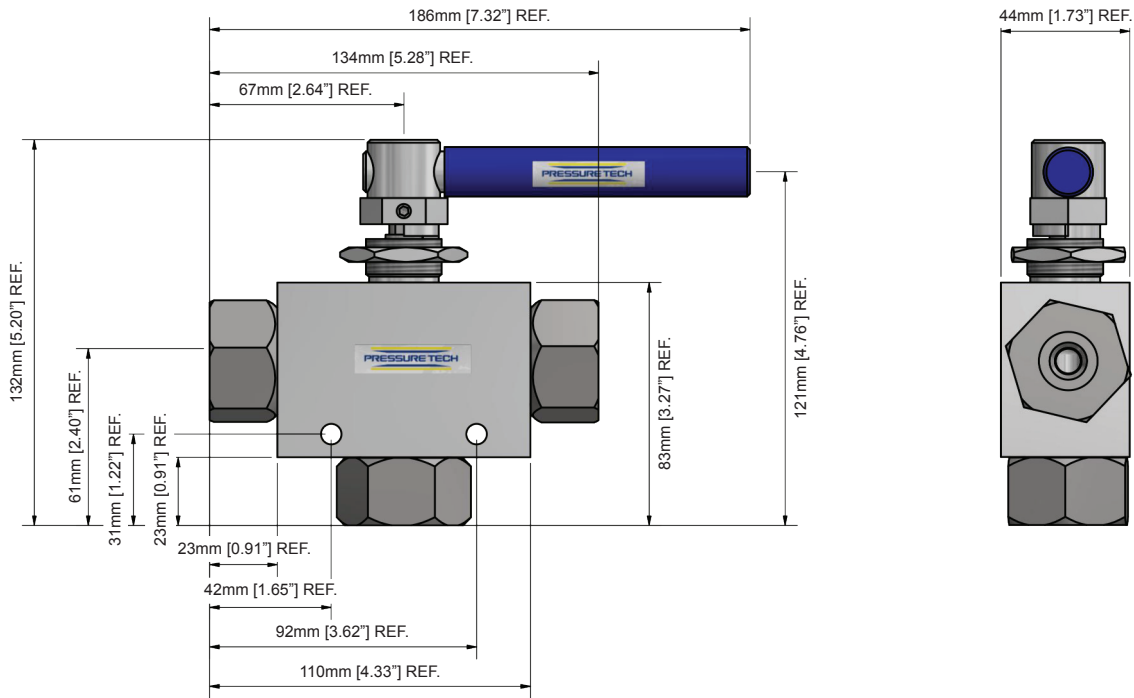
270418

PAGE:
1 OF 3

Gas Liquid | Max Working Pressure: 1,380bar (20,000psi)

DRAWINGS AND INSTALLATION DIMENSIONS

Dimensions shown for 1/16" MP autoclave option - please contact the office for additional connections options.



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
 Unit 24, Graphite Way, Hadfield, Glossop, Derbyshire, UK, SK13 1QH
 T +44 (0)1457 899 307
 E info@pressure-tech.com
 W www.pressure-tech.com

TBV Datasheet

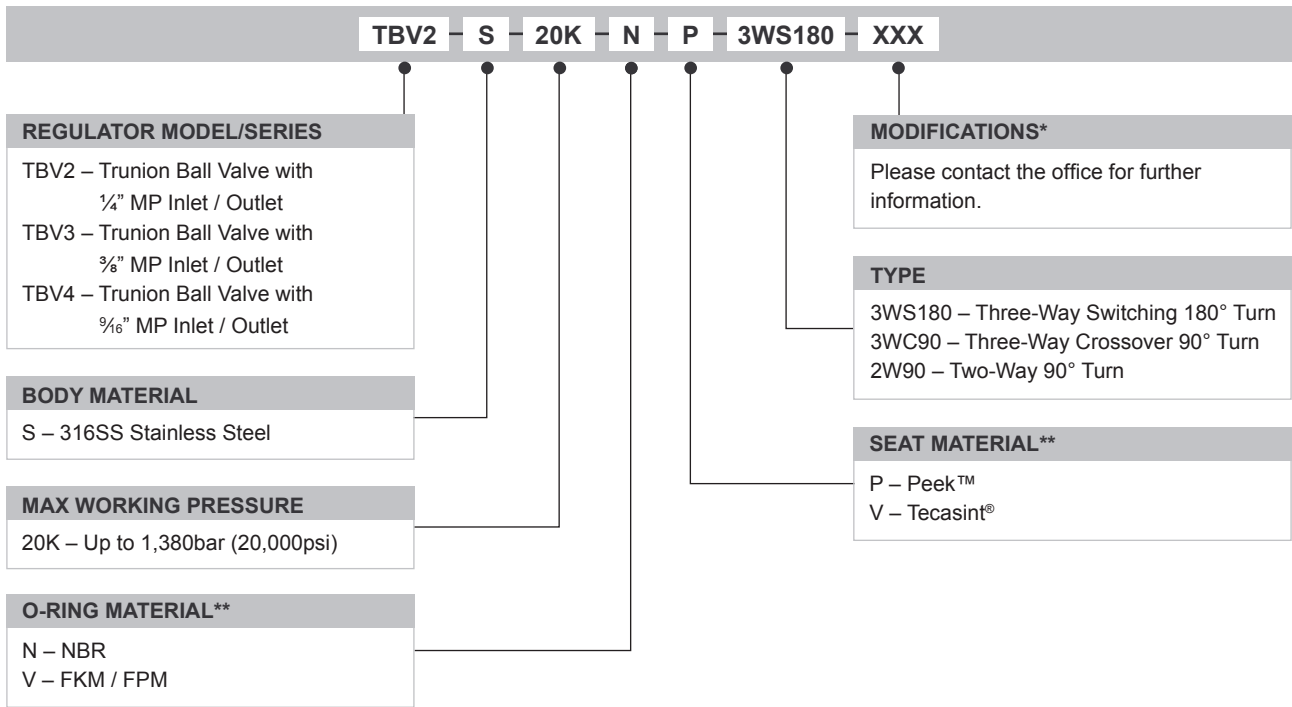
HIGH PRESSURE TRUNION BALL VALVE



Gas Liquid | Max Working Pressure: 1,380bar (20,000psi)

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-TBV2-20K...	For 1/4" High Pressure Trunion Ball Valve
Service Kit	SRK-TBV3-20K...	For 3/8" High Pressure Trunion Ball Valve
Service Kit	SRK-TBV4-20K...	For 1/2" High Pressure Trunion Ball Valve

TRADEMARKS: PEEK™ is a trademark of Victrex PLC
 Tecasint® is a registered trademark of Ensinger

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

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
 Unit 24, Graphite Way, Hadfield, Glossop, Derbyshire, UK, SK13 1QH
 T +44 (0)1457 899 307
 E info@pressure-tech.com
 W www.pressure-tech.com

270418

PAGE:
3 OF 3