



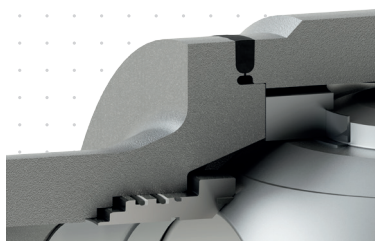
WELDED BODY BALL VALVES

valves and actuators

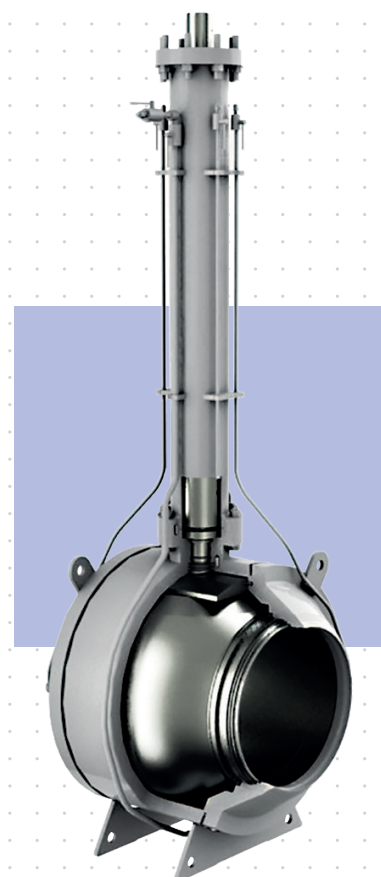
welded body ball valve 265 DESIGN

Welded body valves strengths are:

- ▶ Absence of any body joint: No external leak path
- ▶ No body flanged Joint; body 'tailored' on the trim shape: Weight reduction
- ▶ Due to minimization of potential external leak paths, this valve is particularly suitable for buried installation



BURIED
SERVICE



STANDARD DESIGN FEATURES	AVAILABLE SPECIAL FEATURES	ACCESSORIES
<ul style="list-style-type: none">▶ API 6D▶ ASME B16.34▶ Fire Safe▶ Full/Reduced Bore▶ Self Relieving seats▶ Anti blow out stem▶ Anti static device▶ Primary metal / secondary soft seat seal design	<ul style="list-style-type: none">▶ Stem extension for buried service▶ NACE Requirement▶ Double Block and Bleed▶ Special bore▶ Stainless or Inconel overlay in critical sealing areas▶ Double Piston seats▶ Ad hoc engineering to suit customer projects requirements <p>Special execution</p> <ul style="list-style-type: none">▶ Maintainable WB execution▶ Petrolvalves proprietary design	<p>Vent & Drain:</p> <ul style="list-style-type: none">▶ Plugged▶ Flanged▶ With valve▶ Extended for buried service▶ Any type of connection upon request <p>Seat / Stem Injection:</p> <ul style="list-style-type: none">▶ Plugged▶ Flanged▶ With isolation valve▶ Extended for buried service▶ Any type of connection upon request

PETROLVALVES is a leading manufacturer of valves for the oil and gas industry.

Formed in 1956, **PETROLVALVES** has grown to a company with sales, services and manufacturing facilities throughout the world with direct presence in the United States, Norway, United Kingdom, Italy, Singapore and Australia.

The continuous investment in development of new technology has resulted in the growth and ongoing success of our company. **PETROLVALVES'** line of production includes some of the most sophisticated valve products in the world with a strong focus on the development of custom or niche products designed according to customer's specific requirements.

welded body ball valve 265

BASIC INFORMATION

PETROLVALVES WB Ball Valves range of production includes sizes up to 60"

Both Flanged and Welding Ends designs are available

Pressure range includes ANSI classes 150 to 2500

STANDARD SERVICE

For use in natural gas, crude oil, refined products transmission lines as well as in many other general industrial and oil&gas applications. For example:

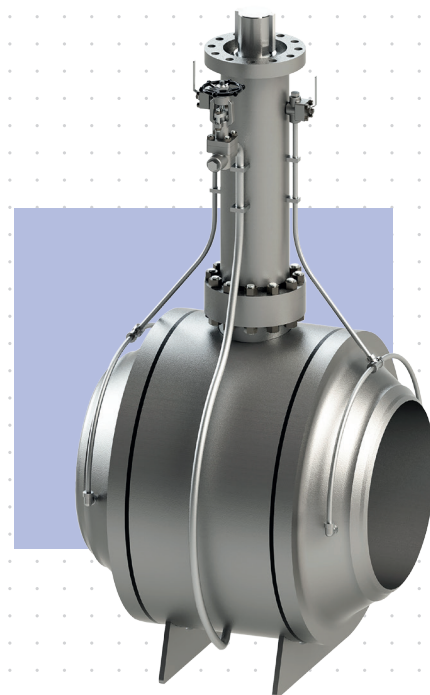
- ▶ Gas separation / storage systems
- ▶ Compressor stations
- ▶ CO2 capturing
- ▶ Measurements skids
- ▶ Dehydration systems

SPECIAL SERVICE

- ▶ Buried
- ▶ ESD
- ▶ SSIV

RANGE OF PRODUCTION *				
API 6D class	150 to 600	900	1500	2500
SIZE	2" to 60"	2" to 48"	2" to 36"	2" to 24"

(*) For non-listed dimensions contact PV's staff

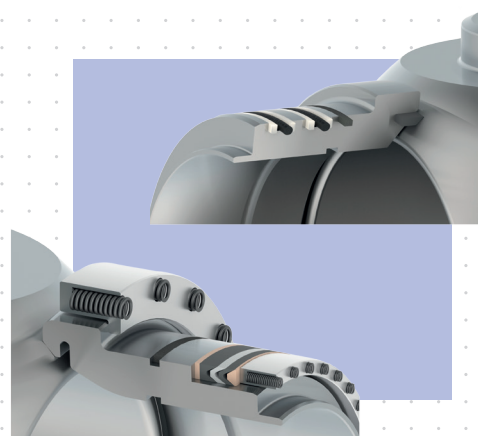


BURIED
SERVICE

**seat-to-body
SEALING**

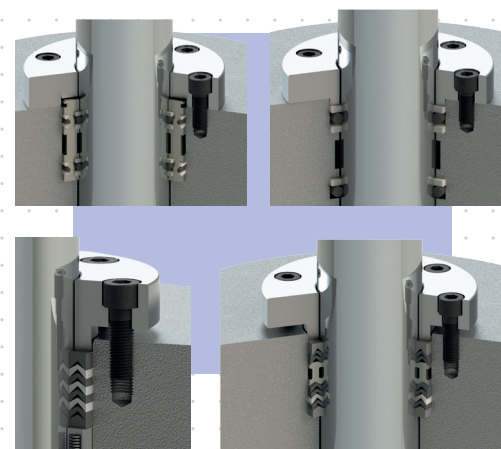
Elastomer Sealing: o-ring type, with PTFE back up on higher classes

PTFE Chevron Type: thermoplastic multiple V rings seal type

**stem
SEALING**

O-Ring Type

PTFE Chevron Type: Thermoplastic multiple V-rings, with or without lantern ring. Recommended for sour service applications.

**materials**

PETROLVALVES welded body ball valves have been designed for use with various combinations of materials which are selected to better suit service conditions

AVAILABLE BODY MATERIAL SELECTION	AVAILABLE OBTURATOR MATERIAL SELECTION	AVAILABLE SEAT MATERIAL SELECTION
CS, LTCS (*)	CS, LTCS (*)	CS, LTCS
Low Alloy Steel (*)	Low Alloy Steel (*)	Low Alloy Steel
Stainless Steel	Austenitic, Ferritic, Martensitic Stainless Steel	Austenitic, Ferritic, Martensitic Stainless Steel
Ni Alloy	Duplex, Superduplex, Ni Alloy	Duplex, Superduplex, Ni Alloy
		Secondary seal material: PTFE, RPTFE, PCTFE, PEEK, DEVLON, NYLON
	Option: Electroless Nickel plating	Option: Electroless Nickel plating

MAINTAINABLE WB EXECUTION PETROLVALVES PROPRIETARY DESIGN		
AVAILABLE BODY MATERIAL SELECTION	AVAILABLE OBTURATOR MATERIAL SELECTION	AVAILABLE SEAT MATERIAL SELECTION
CS, LTCS (*)	CS, LTCS (*)	CS, LTCS
Low Alloy Steel (*)	Low Alloy Steel (*)	Low Alloy Steel
Stainless Steel	Austenitic, Ferritic, Martensitic Stainless Steel	Austenitic, Ferritic, Martensitic Stainless Steel
Ni Alloy	Duplex, Superduplex, Ni Alloy	Duplex, Superduplex, Ni Alloy
	HardFacing: Tungsten, Chromium carbide coating	HardFacing: Tungsten, Chromium carbide coating

(*) CRA weld overlay option available

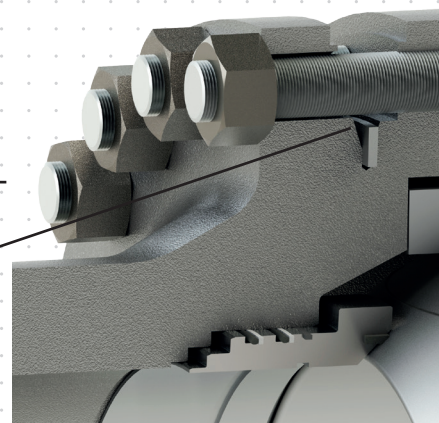
maintainable wb execution PETROLVALVES' PROPRIETARY DESIGN

Standard Welded Body Design exhibits a superior capability to prevent leaks through the body pressure containment, but maintenance of the valve trim components is extremely difficult and often (economically) unpractical.

PV proprietary Maintainable WB design has been developed to allow the valve internals removal and replacement with relatively simple and reliable operations. This means that, should any problem occur during operations, the functionality of the valve can be restored.

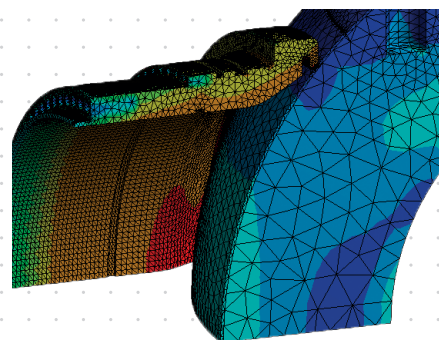
Body joint bolts are capable to accommodate the pressure thrust + external pipe loads

Pressure boundary tightness is achieved via SS or CRA seal welded lips that are specifically designed to be ground off to allow several valve disassembly and complete assembly operations. The external seal weld can then be replaced.



Maintainable execution is particularly suitable for the use of FULLY METAL TO METAL SEAT SEALS:

Designed with the help of the most sophisticated numerical simulation tools to find the best configuration for optimal performance





MANUFACTURING PLANT

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