



# PROTEK



[www.protekvalves.co.uk](http://www.protekvalves.co.uk)



## Cast & Forged Steel Valves



- Ball Valves
- Gate Valves
- Globe Valves
- Check Valves



## CAST and FORGED Steel Valves

The PROTEK range of Cast & Forged Steel Valves satisfies a wide range of ANSI API & BS applications.

Available in carbon, alloy and stainless steels they may be specified in sizes from  $\frac{3}{8}$ " to 24".

Further features include reduced port and full port options and pressure classes from 150# up to 2500#.

With such a variety of construction and material options available the valves are commonly specified in a number of specialised applications including Refining, Petrochemical and Chemical Processing, Gas Transmission, Natural Gas Storage & Cryogenic service.

### Cast Steel Floating Ball Valves

Size Range	$\frac{1}{2}$ " – 8"
ANSI Class	150# 300#
Design & Manufacture to	ANSI B16.34, API 608 API 6DBS 5351
Face-to-Face Dimension to	ANSI B16.10 API 6D
Flanged connection to	ANSI B16.5 (RF, BW & RTJ)
Test & Inspection to	API 598 API 6D
Fire Safe to	API 607 API 6FA



### Cast Steel Trunnion Ball Valves

Size Range	2" – 24"
ANSI Class	150# 300# 600# 900# 1500#
Design & Manufacture to	ANSI B16.34, API 608 API 6D BS 5351
Face-to-Face Dimension to	ANSI B16.10 API 6D
Flanged connection to	ANSI B16.5
Test & Inspection to	API 598 API 6D
Fire Safe to	API 607 API 6FA





## Cast Steel Gate Valves

Size Range	2" – 24"
ANSI Class	150# 300# 600# 900# 1500#
Design & Manufacture to	ANSI B16.34, API 600 API 603 API 6D BS 1414
Face-to-Face Dimension to	ANSI B16.10 API 6D
Flanged connection to	ANSI B16.5 (RF, BW & RTJ)
Test & Inspection to	API 598 API 6D



## Cast Steel Globe Valves

Size Range	2" – 18"
ANSI Class	150# 300# 600# 900# 1500#
Design & Manufacture to	ANSI B16.34, API 600 API 603 API 6D BS 1873
Face-to-Face Dimension to	ANSI B16.10 API 6D
Flanged connection to	ANSI B16.5
Test & Inspection to	API 598



## Cast Steel Check Valves

Size Range	2" – 24"
ANSI Class	150# 300# 600# 900#
Design & Manufacture to	ANSI B16.34, API 600 API 603 API 6D BS 1868
Face-to-Face Dimension to	ANSI B16.10 API 6D
Flanged connection to	ANSI B16.5
Test & Inspection to	API 598 API 6D





## FORGED Steel Gate Globe & Check Valves

PROTEK Forged Steel Valves are available in three bonnet designs.

Firstly a bolted bonnet with male – female joint and spiral wound gasket in F304L/graphite. Ring joint gaskets are also available on request.

Secondly a welded bonnet with a threaded and seal welded joint. On request full penetration strength welded joint is available.

The third design is a threaded and pressure sealed bonnet joint.

**Bolted  
Bonnet**



**Welded  
Bonnet**



**Pressure  
Seal Bonnet**



Size Range	3/8" – 2"
ANSI Class	800# & 900 – 2500#
Body Style	Bolted, Welded or Pressure Seal Bonnet Design O S & Y ( Gate & Globe Valves)
Design & Manufacture to	API 602, BS 5352 and ASME B16.34
End Connections to	Socket Weld to ASME B16.11
Screwed NPT Ends to	ASME B1.20.1
Test & Inspection to	API 598
Port Style	Full Port or Conventional

### Also Available

#### Forged Steel Flanged End Gate Globe & Check Valves.

Sizes 1/2" to 2"

ANSI Class 150#, 300# & 600# and 900 – 2500#

Conforming to API 602 and ANSI B16.34.

Tested according to API 598

RF, BW & RTJ End styles available.

Range of Body & Trim materials available



#### Forged Steel Bellow Sealed Gate Globe & Check Valves

Sizes 1/2" to 2"

ANSI Class 800# and 900 – 2500#

Conforming to API 602 ANSI B16.34. and BS 5352

Tested according to API 598

Socket Weld and Screwed (NPT) End styles available.

Range of Body & Trim materials available



Other sizes valve styles and rating on application.



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