

PRODUCT INDEX

A comprehensive range of ball valves is available to suit most fluid control applications.

Each Pirtek Ball Valve is designed to meet industry demands for high operational reliability.

Configurations in the range available include:


- Block Type 2 way
- Forged Steel 2 way
- Stainless Steel 2 way
- 3 way
- Multi-way
- Flanged

Port sizes range from 1/4 in to 4 in. Female thread forms are provided in BSP, NPT and Metric as standard.

Durable components used in the manufacture ensure long life. Pirtek Ball Valves are produced in brass, mild steel, stainless steel and are available in forged nickel plated finish.

Stem and End Cap Seals are standard in NBR. Ball Seals are made from polyamide for temperatures between -10°C to +100°C. Other seals are available on request.

Ball Valves cover an extensive range of fluid control applications in fixed and mobile plant industries.

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Mini Ball Valves



Materials

Body: Forged brass - nickel plated
 Ball: Brass chromed
 Stem seal: Nitrile
 Ball seal: PTFE
 Temp range: -10 to +90°C

1.5



Part Number	Thread Size (ins)	Max. Working Pressure
MBV-02	1/8BSP	15 Bar
MBV-04	1/4BSP	15 Bar
MBV-06	3/8BSP	15 Bar
MBV-08	1/2BSP	15 Bar
MBV-12	3/4BSP	15 Bar
male/female		
MBV-02MF	1/8BSP	15 Bar
MBV-04MF	1/4BSP	15 Bar
MBV-06MF	3/8BSP	15 Bar
MBV-08MF	1/2BSP	15 Bar
MBV-12MF	3/4BSP	15 Bar

Full Bore Ball Valves



Materials

Body: Forged brass - nickel plated
 Ball: Brass chromed
 Stem seal: PTFE
 Ball seal: PTFE
 Temp range: -15 to +150°C
 Lever: Steel (Zinc plated and painted)
 Tee handle: Aluminium. (Available on request)



Part Number	Thread Size (ins)	Max. Working Pressure
male/female		
LPBV-04MF	1/4BSP	50 Bar
LPBV-06MF	3/8BSP	50 Bar
LPBV-08MF	1/2BSP	50 Bar
LPBV-12MF	3/4BSP	40 Bar
LPBV-16MF	1BSP	40 Bar
LPBV-20MF	1 1/4BSP	30 Bar
LPBV-24MF	1 1/2BSP	30 Bar
LPBV-32MF	2BSP	25 Bar

Full Bore Ball Valves



Materials

Body: Forged brass - nickel plated
 Ball: Brass chromed
 Stem seal: PTFE
 Ball seal: PTFE
 Temp range: -15 to +150°C
 Lever: Steel (Zinc plated and painted)
 Tee handle: Aluminium. (Available on request)



Part Number	Thread Size (ins)	Max. Working Pressure
BSP		
LPBV-04	1/4BSP	50 Bar
LPBV-06	3/8BSP	50 Bar
LPBV-08	1/2BSP	50 Bar
LPBV-12	3/4BSP	40 Bar
LPBV-16	1BSP	40 Bar
LPBV-20	1 1/4BSP	30 Bar
LPBV-24	1 1/2BSP	30 Bar
LPBV-32	2BSP	25 Bar
LPBV-40	2 1/2BSP	18 Bar
LPBV-48	3BSP	16 Bar
LPBV-64	4BSP	14 Bar
NPT		
LPBV-04NPT	1/4NPT	50 Bar
LPBV-06NPT	3/8NPT	50 Bar
LPBV-08NPT	1/2NPT	50 Bar
LPBV-12NPT	3/4NPT	40 Bar
LPBV-16NPT	1NPT	40 Bar
LPBV-20NPT	1 1/4NPT	30 Bar
LPBV-24NPT	1 1/2NPT	30 Bar
LPBV-32NPT	2NPT	25 Bar
LPBV-40NPT	2 1/2NPT	18 Bar
LPBV-48NPT	3NPT	16 Bar
LPBV-64NPT	4NPT	14 Bar

Full Bore Ball Valves



Materials

Body: Forged brass - nickel plated
 Ball: Brass chromed
 Stem seal: Viton
 Ball seal: PTFE
 Temp range: -10 to +150°C
 Lever: Steel (Zinc plated and painted)
 Tee handle: Aluminium. (Available on request)



Part Number	Thread Size (ins)	Max. Working Pressure
(British Gas approved)		
BGBV-04	1/4BSP	50 Bar
BGBV-06	3/8BSP	50 Bar
BGBV-08	1/2BSP	50 Bar
BGBV-12	3/4BSP	40 Bar
BGBV-16	1BSP	40 Bar
BGBV-20	1 1/4BSP	30 Bar
BGBV-24	1 1/2BSP	30 Bar
BGBV-32	2BSP	25 Bar
BGBV-40	2 1/2BSP	18 Bar
BGBV-48	3BSP	16 Bar
BGBV-64	4BSP	14 Bar

BALL AND GATE VALVES

Full Bore Ball Valves

Materials

Body: Forged brass - nickel plated
 Ball: Brass chromed
 Stem seal: Viton
 Ball seal: PTFE
 Temp range: -10 to +150°C
 Lever: Steel (Zinc plated and painted)
 Tee handle: Aluminium. (Available on request)



Part Number	Thread Size (ins)	Max. Working Pressure
male/female (British Gas approved)		
BGBV-04MF	1/4BSP	50 Bar
BGBV-06MF	3/8BSP	50 Bar
BGBV-08MF	1/2BSP	50 Bar
BGBV-12MF	3/4BSP	40 Bar
BGBV-16MF	1BSP	40 Bar
BGBV-20MF	1 1/4BSP	30 Bar
BGBV-24MF	1 1/2BSP	30 Bar
BGBV-32MF	2BSP	25 Bar

2 Way Ball Valves

Materials

Body: Steel 9SMn28K - Yellow zinc passivate
 Ball: Brass - Mirror finish chromed
 Stem seal: Nitrile (others on request)
 Ball seal: POM-MoS2 (others on request)
 Temp range: -10 to +100°C



Part Number	Thread Size (ins)	Max. Working Pressure
BSP		
HPBV-02	1/8BSP	500 Bar
HPBV-04	1/4BSP	500 Bar
HPBV-06	3/8BSP	500 Bar
HPBV-08	1/2BSP	500 Bar
HPBV-12	3/4BSP	400 Bar
HPBV-16	1BSP	350 Bar
HPBV-20	1 1/4BSP	350 Bar
HPBV-24	1 1/2BSP	350 Bar
NPT		
HPBV-04NPT	1/4NPT	500 Bar
HPBV-06NPT	3/8NPT	500 Bar
HPBV-08NPT	1/2NPT	500 Bar
HPBV-12NPT	3/4NPT	400 Bar
HPBV-16NPT	1NPT	350 Bar
HPBV-20NPT	1 1/4NPT	350 Bar

Medium Pressure 2 Way

Materials

Body: Nickel plated brass
 Stem: Brass
 Stem seal: Viton
 Ball seal: Acetalic resin
 Temp range: -20 to +80°C
 Lever: Aluminium - polyurethane coated



Part Number	Thread Size (ins)	Max. Working Pressure
MPBV-06	3/8BSP	210 Bar
MPBV-08	1/2BSP	210 Bar
MPBV-12	3/4BSP	210 Bar
MPBV-16	1BSP	210 Bar

Compression Ended 2 Way Ball Valves

Materials

Body: Steel 9SMn28K
 Ball: Brass - Mirror finish chromed
 Stem seal: Nitrile (others on request)
 Ball seal: POM-MoS2 (others on request)
 Temp range: -10 to +100°C



Part Number	Thread Size (ins)	Max. Working Pressure
Light		
HPBV-06L	6L	500 Bar
HPBV-08L	8L	500 Bar
HPBV-10L	10L	500 Bar
HPBV-12L	12L	500 Bar
HPBV-15L	15L	500 Bar
HPBV-18L	18L	500 Bar
HPBV-22L	22L	500 Bar
HPBV-28L	28L	500 Bar
HPBV-35L	35L	500 Bar
Heavy		
HPBV-08S	8S	500 Bar
HPBV-10S	10S	500 Bar
HPBV-12S	12S	500 Bar
HPBV-14S	14S	500 Bar
HPBV-16S	16S	500 Bar
HPBV-20S	20S	500 Bar
HPBV-25S	25S	500 Bar
HPBV-30S	30S	500 Bar
HPBV-38S	38S	500 Bar

Stainless Steel 316 Reduced Bore

Materials

Body: Cast stainless steel CF8M (316)
 Ball: 316 stainless steel - mirror finish
 Stem seal: PTFE
 Ball seal: PTFE
 Temp range: -40 to +200°C
 Handle: 304 stainless steel lockable open/closed



Part Number	Thread Size (ins)	Max. Working Pressure
BSP		
SS/RBBV-04	¼BSP	70 Bar
SS/RBBV-06	⅜BSP	70 Bar
SS/RBBV-08	½BSP	70 Bar
SS/RBBV-12	¾BSP	70 Bar
SS/RBBV-16	1BSP	70 Bar
SS/RBBV-20	1¼BSP	70 Bar
SS/RBBV-24	1½BSP	55 Bar
SS/RBBV-32	2BSP	55 Bar
BSPT		
SS/RBBV-04T	¼BSPT	55 Bar
SS/RBBV-06T	⅜BSPT	55 Bar
SS/RBBV-08T	½BSPT	55 Bar
SS/RBBV-12T	¾BSPT	55 Bar
SS/RBBV-16T	1BSPT	55 Bar
SS/RBBV-20T	1¼BSPT	55 Bar
SS/RBBV-24T	1½BSPT	55 Bar
SS/RBBV-32T	2BSPT	55 Bar
NPT		
SS/RBBV-04NPT	¼NPT	55 Bar
SS/RBBV-06NPT	⅜NPT	55 Bar
SS/RBBV-08NPT	½NPT	55 Bar
SS/RBBV-12NPT	¾NPT	55 Bar
SS/RBBV-16NPT	1NPT	55 Bar
SS/RBBV-20NPT	1¼NPT	55 Bar
SS/RBBV-24NPT	1½NPT	55 Bar
SS/RBBV-32NPT	2NPT	55 Bar

Stainless Steel 316 Full Bore

Materials

Body: Cast stainless steel
 Ball: 316 stainless steel
 Stem seal: PTFE
 Ball seal: Reinforced PTFE 15% fibre glass filled
 Temp range: -40 to +200°C
 Handle: 304 stainless steel with plastic cover lockable as standard



Part Number	Thread Size (ins)	Max. Working Pressure
BSP		
SS/FBBV-04	¼BSP	140 Bar
SS/FBBV-06	⅜BSP	140 Bar
SS/FBBV-08	½BSP	140 Bar
SS/FBBV-12	¾BSP	140 Bar
SS/FBBV-16	1BSP	140 Bar
SS/FBBV-20	1¼BSP	110 Bar
SS/FBBV-24	1½BSP	110 Bar
SS/FBBV-32	2BSP	100 Bar
SS/FBBV-40	2½BSP	100 Bar
SS/FBBV-48	3BSP	100 Bar
NPT		
SS/FBBV-04NPT	¼NPT	140 Bar
SS/FBBV-06NPT	⅜NPT	140 Bar
SS/FBBV-08NPT	½NPT	140 Bar
SS/FBBV-12NPT	¾NPT	140 Bar
SS/FBBV-16NPT	1NPT	140 Bar
SS/FBBV-20NPT	1¼NPT	110 Bar
SS/FBBV-24NPT	1½NPT	110 Bar
SS/FBBV-32NPT	2NPT	100 Bar
SS/FBBV-40NPT	2½NPT	100 Bar
SS/FBBV-48NPT	3NPT	100 Bar

Stainless Steel 2 Way Ball Valves

Materials

Body: 316 stainless steel
 Ball: 316 stainless steel (polished)
 Stem seal: Nitrile (others on request)
 Ball seal: POM-MoS2 (others on request)
 Temp range: -10 to +100°C



Part Number	Thread Size (ins)	Max. Working Pressure
BSP		
SS/HPBV-04	¼BSP	500 Bar
SS/HPBV-06	⅜BSP	500 Bar
SS/HPBV-08	½BSP	500 Bar
SS/HPBV-12	¾BSP	400 Bar
SS/HPBV-16	1BSP	350 Bar
SS/HPBV-20	1¼BSP	350 Bar
NPT		
SS/HPBV-04NPT	¼NPT	500 Bar
SS/HPBV-06NPT	⅜NPT	500 Bar
SS/HPBV-08NPT	½NPT	500 Bar
SS/HPBV-12NPT	¾NPT	400 Bar
SS/HPBV-16NPT	1NPT	350 Bar
SS/HPBV-20NPT	1¼NPT	350 Bar

BALL AND GATE VALVES

Stainless Steel 700 Bar 2 Way Ball Valves

Materials

Body: 316 stainless steel
 Stem: 316 stainless steel
 Stem seal: PTFE
 Ball seal: PTFE/PVDF
 Temp range: -40 to +200°C
 Lever: 316 stainless steel (with plastic cover)



Part Number	Thread Size (ins)	Max. Working Pressure
BSP		
SS/SPBV-04	1/4BSP	700 Bar
SS/SPBV-06	3/8BSP	700 Bar
SS/SPBV-08	1/2BSP	700 Bar
SS/SPBV-12	3/4BSP	700 Bar
SS/SPBV-16	1BSP	700 Bar
NPT		
SS/SPBV-04NPT	1/4NPT	700 Bar
SS/SPBV-06NPT	3/8NPT	700 Bar
SS/SPBV-08NPT	1/2NPT	700 Bar
SS/SPBV-12NPT	3/4NPT	700 Bar
SS/SPBV-16NPT	1NPT	700 Bar

3 Way Ball Valves

Materials

Body: Forged brass - nickel-plated
 Ball: Brass mirror finish chromed
 Stem seal: PTFE
 Ball seal: PTFE
 Temp range: -30 to +100°C
 Handle: Steel



Part Number	Thread Size (ins)	Max. Working Pressure
L-Port		
MPBV-04-3WAY/L	1/4BSP	40 Bar
MPBV-06-3WAY/L	3/8BSP	40 Bar
MPBV-08-3WAY/L	1/2BSP	40 Bar
MPBV-12-3WAY/L	3/4BSP	40 Bar
MPBV-16-3WAY/L	1BSP	25 Bar
MPBV-20-3WAY/L	1 1/4BSP	16 Bar
MPBV-24-3WAY/L	1 1/2BSP	16 Bar
MPBV-32-3WAY/L	2BSP	16 Bar
T-Port		
MPBV-04-3WAY/T	1/4BSP	40 Bar
MPBV-06-3WAY/T	3/8BSP	40 Bar
MPBV-08-3WAY/T	1/2BSP	40 Bar
MPBV-12-3WAY/T	3/4BSP	40 Bar
MPBV-16-3WAY/T	1BSP	25 Bar
MPBV-20-3WAY/T	1 1/4BSP	16 Bar
MPBV-24-3WAY/T	1 1/2BSP	16 Bar
MPBV-32-3WAY/T	2BSP	16 Bar

Low Pressure 3 Way Ball Valves

Materials

Body: Forged brass - nickel plated
 Ball: Brass - chromed
 Stem seal: PTFE
 Ball seal: PTFE
 Temp range: -20 to +150°C
 Handle: Pressed steel



Part Number	Thread Size (ins)	Max. Working Pressure
L-Port		
LPBV-04-3WAY/L	1/4BSP	25 Bar
LPBV-06-3WAY/L	3/8BSP	25 Bar
LPBV-08-3WAY/L	1/2BSP	25 Bar
LPBV-12-3WAY/L	3/4BSP	25 Bar
LPBV-16-3WAY/L	1BSP	25 Bar
LPBV-20-3WAY/L	1 1/4BSP	25 Bar
LPBV-24-3WAY/L	1 1/2BSP	25 Bar
LPBV-32-3WAY/L	2BSP	25 Bar
T-Port		
LPBV-04-3WAY/T	1/4BSP	25 Bar
LPBV-06-3WAY/T	3/8BSP	25 Bar
LPBV-08-3WAY/T	1/2BSP	25 Bar
LPBV-12-3WAY/T	3/4BSP	25 Bar
LPBV-16-3WAY/T	1BSP	25 Bar
LPBV-20-3WAY/T	1 1/4BSP	25 Bar
LPBV-24-3WAY/T	1 1/2BSP	25 Bar
LPBV-32-3WAY/T	2BSP	25 Bar

High Pressure 3 Way Ball Valves

Materials

Body: Steel 9SMn28K
 Ball: Chromed steel
 Stem seal: Nitrile (others on request)
 Ball seal: POM-MoS2 (others on request)
 Temp range: -10 to +100°C



Part Number	Thread Size (ins)	Max. Working Pressure
L-Port		
HPBV-04-3WAY/L	1/4BSP	315 Bar
HPBV-06-3WAY/L	3/8BSP	315 Bar
HPBV-08-3WAY/L	1/2BSP	315 Bar
HPBV-12-3WAY/L	3/4BSP	315 Bar
HPBV-16-3WAY/L	1BSP	315 Bar
HPBV-20-3WAY/L	1 1/4BSP	350 Bar
HPBV-24-3WAY/L	1 1/2BSP	350 Bar
HPBV-32-3WAY/L	2BSP	350 Bar

Locking Devices for High Pressure Ball Valves



All types of Pirtek ball valves can be equipped with locking devices in order to avoid their unintentional or unauthorised operation.

Part Number

LOCK 1

LOCK 2

LOCK 2

1.
5

Brass Gate Valves



Materials

Body: Brass (raw finish)
Temp range: -20 to +100°C
Handle: Pressed steel cast alloy

Part Number	Thread Size (ins)	Max. Working Pressure
10BAR-BSPT		
BGV10-04T	1/4BSPT	10 Bar
BGV10-06T	3/8BSPT	10 Bar
BGV10-08T	1/2BSPT	10 Bar
BGV10-12T	3/4BSPT	10 Bar
BGV10-16T	1BSPT	10 Bar
BGV10-20T	1 1/4BSPT	10 Bar
BGV10-24T	1 1/2BSPT	10 Bar
BGV10-32T	2BSPT	10 Bar
BGV10-40T	2 1/2BSPT	10 Bar
BGV10-48T	3BSPT	10 Bar
BGV10-64T	4BSPT	10 Bar
20BAR-BSP		
BGV20-06	3/8BSP	20 Bar
BGV20-08	1/2BSP	20 Bar
BGV20-12	3/4BSP	20 Bar
BGV20-16	1BSP	20 Bar
BGV20-20	1 1/4BSP	20 Bar
BGV20-24	1 1/2BSP	20 Bar
BGV20-32	2BSP	20 Bar
BGV20-40	2 1/2BSP	20 Bar
BGV20-48	3BSP	20 Bar
BGV20-64	4BSP	20 Bar
16BAR-BSPT		
BGV16-06T	3/8BSPT	16 Bar
BGV16-08T	1/2BSPT	16 Bar
BGV16-12T	3/4BSPT	16 Bar
BGV16-16T	1BSPT	16 Bar
BGV16-20T	1 1/4BSPT	16 Bar
BGV16-24T	1 1/2BSPT	16 Bar
BGV16-32T	2BSPT	16 Bar
16BAR-NPT		
BGV16-06NPT	3/8NPT	16 Bar
BGV16-08NPT	1/2NPT	16 Bar
BGV16-12NPT	3/4NPT	16 Bar
BGV16-16NPT	1NPT	16 Bar
BGV16-20NPT	1 1/4NPT	16 Bar
BGV16-24NPT	1 1/2NPT	16 Bar
BGV16-32NPT	2NPT	16 Bar

Other ball valves available on request

High Pressure Ball Valves - Split SAE Flanges



Cast Iron Full Flanged Ball Valves

