



techhose

QUALITY CONNECTIONS

Hydraulics

Pneumatics
& Vacuum

Industrial

Compressed Air
& Ring Main

Process &
Instrumentation

Valves & Actuation

WRAS & Gas Ball Valves

LEVER HANDLE BALL VALVES

FULL FLOW VALVES

WRAS Brass ball valves fully approved by WRAS for clean water solutions.

The quality of the full flow brass ball valves is approved in the UK under the Water Regulations Advisory Scheme (WRAS) for water fittings. Suitable for domestic water services, heating, air-conditioning plants and compressed air systems for isolation shut-off. Blue wing handle valves are stocked as standard with green, red and black available on request.

WRAS, Lever Handles, Brass Nickel Plated



Working Temperature:
-10°C to +120°C

Maximum Working Pressure: 25 bar

Female x Female, BSPP

Red and green levers are available on request


0682	Thread
1063-14	1/4"
1063-38	3/8"
1063-12	1/2"
1063-34	3/4"
1063-1	1"
1063-114	1.1/4"
1063-112	1.1/2"
1063-2	2"
1063-212	2.1/2"
1063-3	3"
1063-4	4"

Tech Sheet 68778

EN 331 GAS Brass ball valves conforming to EN 331 for gas applications.

Certified by Deutsche Akkreditierungsstelle (Dakks) in Germany to conform to EN 331 and EU 305, the yellow handle full flow brass ball valve has been specifically developed for gas installations including town gas, natural gas and liquid gas isolation shut-off.

EN 331 Gas, Lever Handles, Brass Nickel Plated



Working Temperature:
-10°C to +80°C

Maximum Working Pressure: 5 bar

Female x Female, BSPP

0682	Thread
1071-14	1/4"
1071-38	3/8"
1071-12	1/2"
1071-34	3/4"
1071-1	1"
1071-114	1.1/4"
1071-112	1.1/2"
1071-2	2"
1071-212	2.1/2"
1071-3	3"
1071-4	4"

Tech Sheet 68780



Working Temperature:
-10°C to +80°C

Maximum Working Pressure: 5 bar

Male x Female, BSPP

0682	Thread
1073-14	1/4"
1073-38	3/8"
1073-12	1/2"
1073-34	3/4"
1073-1	1"
1073-114	1.1/4"
1073-112	1.1/2"
1073-2	2"

Tech Sheet 68781

Customised Ball Valve Handles available for this range

EN 331 Gas/WRAS Approved Brass Ball Valve Compression Ended

- Brass Nickel Plated Body
- Full bore
- Compression ends to EN1254-2

Working Temperature:
-5°C to +150°C (oil and water)
-5°C to +60°C (gas)

Maximum Working Pressure:
20 bar (oil and water)
5 bar (gas)



Red Lever Operated



0682	Size mm
EPS-102200	15
EPS-102205	22
EPS-102210	28
EPS-102215	35
EPS-102220	42
EPS-102225	54

Tech Sheet 717



Blue Lever Operated



0682	Size mm
EPS-102150	15
EPS-102155	22
EPS-102160	28
EPS-102165	35
EPS-102170	42
EPS-102175	54

Tech Sheet 717



Yellow Lever Operated



0682	Size mm
EPS-102100	15
EPS-102105	22
EPS-102110	28
EPS-102115	35
EPS-102120	42
EPS-102125	54

Tech Sheet 717

WING HANDLE BALL VALVES

FULL FLOW VALVES

- WRAS approved
- EN 331 and EU 305 conformity
- RoHS 3 compliant
- Blowout proof
- Double seal
- No metal-to-metal moving parts
- Maintenance-free
- 3 year warranty

WRAS, Wing Handles, Brass Nickel Plated

- ° Working Temperature: -10°C to +120°C
- Maximum Working Pressure: 25 bar



Female x Female, BSPP

0682	Thread
1193-14	1/4"
1193-38	3/8"
1193-12	1/2"
1193-34	3/4"
1193-1	1"

Tech Sheet 68779

EN 331 Gas, Wing Handles, Brass Nickel Plated

- ° Working Temperature: -10°C to +80°C
- Maximum Working Pressure: 5 bar



Female x Female, BSPP

0682	Thread
1072-14	1/4"
1072-38	3/8"
1072-12	1/2"
1072-34	3/4"
1072-1	1"

Tech Sheet 68783

- ° Working Temperature: -10°C to +80°C
- Maximum Working Pressure: 5 bar



Male x Female, BSPP

0682	Thread
1074-14	1/4"
1074-38	3/8"
1074-12	1/2"
1074-34	3/4"
1074-1	1"

Tech Sheet 68782

EN 331 Gas/WRAS Approved Brass Ball Valve Compression Ended

- Brass Nickel Plated Body
- Full bore
- Compression ends to EN1254-2
- ° Working Temperature: -5°C to +150°C (oil and water), -5°C to +60°C (gas)
- Maximum Working Pressure: 20 bar (oil and water), 5 bar (gas)



Red Wing Handle

0682	Size mm
EPS-102450	15
EPS-102455	22
EPS-102460	28

Tech Sheet 717



Blue Wing Handle

0682	Size mm
EPS-102470	15
EPS-102475	22
EPS-102480	28

Tech Sheet 717



Yellow Wing Handle

0682	Size mm
EPS-102420	15
EPS-102425	22
EPS-102430	28

Tech Sheet 717

BALL VALVES



Full Bore Gas Ball Valves, Brass Nickel Plated

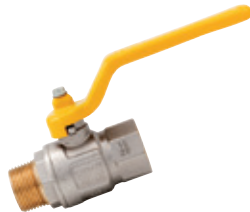
Working Temperature: -20°C to +60°C
 Maximum Working Pressure: 5 bar
 EN 331 approved



LONDON 066 Compact, Female x Female, BSPP, Lever Handle

0089	Thread
IT066-14	1/4"
IT066-38	3/8"
IT066-12	1/2"
IT066-34	3/4"
IT066-1	1"
IT066-114	1.1/4"
IT066-112	1.1/2"
IT066-2	2"

Tech Sheet 68253



LONDON 067 Compact, Male, BSPT x Female, BSPP, Lever Handle

0089	Thread
IT067-14	1/4"
IT067-38	3/8"
IT067-12	1/2"
IT067-34	3/4"
IT067-1	1"
IT067-114	1.1/4"
IT067-112	1.1/2"
IT067-2	2"

Tech Sheet 68254



BERLIN 070, Female x Female, BSPP, Lever Handle

0089	Thread
IT070-12	1/2"
IT070-34	3/4"
IT070-1	1"
IT070-114	1.1/4"
IT070-112	1.1/2"
IT070-2	2"

Tech Sheet 1831



BERLIN 071, Male, BSPT x Female, BSPP, Lever Handle

0089	Thread
IT071-12	1/2"
IT071-34	3/4"
IT071-1	1"
IT071-114	1.1/4"
IT071-112	1.1/2"
IT071-2	2"

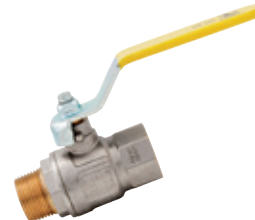
Tech Sheet 1831



LONDON 266 Compact, Female x Female, BSPP, Flat Lever Handle

0089	Thread
IT266-14	1/4"
IT266-38	3/8"
IT266-12	1/2"
IT266-34	3/4"
IT266-1	1"
IT266-114	1.1/4"
IT266-112	1.1/2"
IT266-2	2"

Tech Sheet 68257



LONDON 267 Compact, Male, BSPT x Female, BSPP, Flat Lever Handle

0089	Thread
IT267-14	1/4"
IT267-38	3/8"
IT267-12	1/2"
IT267-34	3/4"
IT267-1	1"
IT267-114	1.1/4"
IT267-112	1.1/2"
IT267-2	2"

Tech Sheet 68258



LONDON 068 Compact, Female x Female, BSPP, Wing Handle

0089	Thread
IT068-14	1/4"
IT068-38	3/8"
IT068-12	1/2"
IT068-34	3/4"
IT068-1	1"

Tech Sheet 68255



LONDON 069 Compact, Male, BSPT x Female, BSPP, Wing Handle

0089	Thread
IT069-14	1/4"
IT069-38	3/8"
IT069-12	1/2"
IT069-34	3/4"
IT069-1	1"

Tech Sheet 68256



BERLIN 072, Female x Female, BSPP, Wing Handle

0089	Thread
IT072-12	1/2"
IT072-34	3/4"
IT072-1	1"

Tech Sheet 1831



BERLIN 073, Male, BSPT x Female, BSPP, Wing Handle

0089	Thread
IT073-12	1/2"
IT073-34	3/4"
IT073-1	1"

Tech Sheet 1832



Type 060, Male x Male, BSPT, Wing Handle

0089	Thread
IT060-12	1/2"

Tech Sheet 10340

BALL VALVES

Super Filter Ball Valves, Brass

Advantages:

- Large flo
 - Low head loss
 - Eliminates need for separate in-line filter
 - Reduces installation time
 - Easy access for filter cleanin
 - Can be installed in any position
- 500 micron filter (35 mesh)
Conforms to Directive 97/23/EC.

 **Working Temperature:**
-20°C to +100°C




Built-in Filter, BSPP

0468	Thread	Max Pressure Bar
SFBV-12	1/2"	30
SFBV-34	3/4"	30
SFBV-1	1"	30
SFBV-114	1.1/4"	20
SFBV-112	1.1/2"	20
SFBV-2	2"	20

Tech Sheet 60155

 **Working Temperature:**
-20°C to +100°C

 **Maximum Working Pressure:** 30 bar

- Can be installed in any position



T Handle, Built-in Filter, BSPP

0468	Thread
SFBVT-12	1/2"
SFBVT-34	3/4"
SFBVT-1	1"

Tech Sheet 60155

90° Gas Ball Valves

- **Body:** Brass
- **Ball:** Brass, chrome plated
- **Sleeve, Stem and Nut:** Brass
- **Seal:** PTFE
- **O-Rings:** Nitrile + FKM
- **Handle:** Aluminium
- EN 331 approved

 **Working Temperature:**
-20°C to +60°C

 **Maximum Working Pressure:**
5 bar



Male x Female, BSPP

0468	Thread	Thread
GBVMF-3434	3/4"	3/4"

Tech Sheet 67956

TOTAL



For **Combination Spanner Sets**
see page **1739**

BALL VALVES

Gas Mini Ball Valves, Brass

- Seal: Material PTFE

 Working Temperature:
-20°C to +80°C

 Maximum Working Pressure:
20 bar



Type 6300, Female x Female, BSPP

0090	Thread	Thread
6300-18	1/8"	1/8"
6300-14	1/4"	1/4"
6300-38	3/8"	3/8"
6300-12	1/2"	1/2"

Tech Sheet 1602



Type 6330, Male x Male, BSPP

0090	Thread	Thread
6330-18-18	1/8"	1/8"
6330-18-14	1/8"	1/4"
6330-14-14	1/4"	1/4"
6330-12-12	1/2"	1/2"

Tech Sheet 1602



Type 6420, Male x Male, BSPP

0090	Thread	Thread
6420-18-18	1/8"	1/8"
6420-18-14	1/8"	1/4"
6420-14-14	1/4"	1/4"
6420-38-14	3/8"	1/4"
6420-38-38	3/8"	3/8"
6420-12-12	1/2"	1/2"

Tech Sheet 1603



Type 6310, BSPT Male x BSPP Female

0090	Male Thread	Female Thread
6310-18-18	1/8"	1/8"
6310-14-18	1/4"	1/8"
6310-14-14	1/4"	1/4"
6310-38-38	3/8"	3/8"
6310-12-12	1/2"	1/2"
6310-34-34	3/4"	3/4"

Tech Sheet 1602



Type 6340, Tube x Female, BSPP

0090	OD mm	Thread
6340-6-18	6	1/8"
6340-8-18	8	1/8"
6340-8-14	8	1/4"
6340-10-38	10	3/8"
6340-15-12	15	1/2"

Tech Sheet 1603



Type 6440, Male BSPP x Tube

0090	OD mm	Thread
6440-18-6	6	1/8"
6440-18-8	8	1/8"
6440-14-6	6	1/4"
6440-14-8	8	1/4"
6440-14-10	10	1/4"
6440-38-8	8	3/8"
6440-38-10	10	3/8"
6440-38-15	15	3/8"
6440-12-12	12	1/2"
6440-12-15	15	1/2"
6440-34-15	15	3/4"

Tech Sheet 1604



Type 6320, Male x Female, BSPP

0090	Male Thread	Female Thread
6320-18-18	1/8"	1/8"
6320-14-18	1/4"	1/8"
6320-14-14	1/4"	1/4"
6320-38-38	3/8"	3/8"
6320-12-12	1/2"	1/2"

Tech Sheet 1602



Type 6350, Male, BSPT x Tube

0090	OD mm	Thread
6350-18-6	6	1/8"
6350-18-8	8	1/8"
6350-14-6	6	1/4"
6350-14-8	8	1/4"
6350-38-10	10	3/8"
6350-38-12	12	3/8"
6350-12-15	15	1/2"

Tech Sheet 1603



Type 6500, Tube x Tube

0090	OD mm
6500-8	8

Tech Sheet 1604

BALL VALVES

Dual Sealing Gas Approved Ball Valves

- Manufactured in accordance to BSI
- ISO 228 parallel female threads to EN10226-1
- Full port to DIN 3357 for maximum flow
- PED 2014/68/EU
- Spring return handle available on request

Working Temperature:
-40°C to +170°C

AS4617 Limitations for Gas:
0°C to +60°C

Maximum Working Pressure:
Up to 2": 40 bar
Over 2": 30 bar

AS4617 Limitations for Gas:
Up to 2": 21 bar
2.1/2" to 4": 15 bar



Female x Female, BSPP

0358	Thread
BV84-14	1/4"
BV84-38	3/8"
BV84-12	1/2"
BV84-34	3/4"
BV84-1	1"
BV84-114	1.1/4"
BV84-112	1.1/2"
BV84-2	2"
BV84-212	2.1/2"
BV84-3	3"
BV84-4	4"

Tech Sheet 20558

Dual Sealing Gas Lockable Ball Valves

- Manufactured in accordance to BSI
- ISO 228 parallel female threads to EN10226-1
- Full port to DIN 3357 for maximum flow
- PED 2014/68/EU
- Spring return handle available on request

Working Temperature:
-40°C to +170°C

AS4617 Limitations for Gas:
0°C to +60°C

Maximum Working Pressure:
Up to 2": 40 bar
Over 2": 30 bar

AS4617 Limitations for Gas:
Up to 2": 21 bar
2.1/2" to 4": 15 bar



Female x Female, BSPP

0358	Thread
BV84-14L	1/4"
BV84-38L	3/8"
BV84-12L	1/2"
BV84-34L	3/4"
BV84-1L	1"
BV84-114L	1.1/4"
BV84-112L	1.1/2"
BV84-2L	2"
BV84-212L	2.1/2"
BV84-3L	3"
BV84-4L	4"

Tech Sheet 60397



Dual Sealing WRAS Ball Valves

The BV84W potable ball valve range is approved for use with drinking water. The ball design avoids water stagnation and the spread of bacteria in the system.

- PED 2014/68/EU

Working Temperature:
-40°C to +170°C

Maximum Working Pressure:
40 bar



Female x Female, BSPP

0358	Thread
BV84-14W	1/4"
BV84-38W	3/8"
BV84-12W	1/2"
BV84-34W	3/4"
BV84-1W	1"
BV84-114W	1.1/4"
BV84-112W	1.1/2"
BV84-2W	2"

Tech Sheet 20558

Dual Sealing WRAS Lockable Ball Valves

The BV84WL potable ball valve range is approved for use with drinking water. The specific ball design avoids water stagnation and the spread of bacteria in the system.

- PED 2014/68/EU

Working Temperature:
-40°C to +170°C

Maximum Working Pressure:
40 bar



Female x Female, BSPP

0358	Thread
BV84-14WL	1/4"
BV84-38WL	3/8"
BV84-12WL	1/2"
BV84-34WL	3/4"
BV84-1WL	1"
BV84-114WL	1.1/4"
BV84-112WL	1.1/2"
BV84-2WL	2"

Tech Sheet 60397

BALL VALVES



Direct Mount WRAS Approved Brass Ball Valve

- Full bore
- Direct mount ISO 5211

Working Temperature:
-20°C to +170°C

Maximum Working Pressure:
40 bar



Female x Female, BSPP

0358	Thread
BV64-12	1/2"
BV64-34	3/4"
BV64-1	1"
BV64-114	1.1/4"
BV64-112	1.1/2"
BV64-2	2"

Tech Sheet 6040

Compression Ended WRAS Ball Valves

Body material: DZR brass.

- Suitable for domestic water services, heating and air conditioning plants and compressed air systems.

Working Temperature:
-20°C to +120°C

Maximum Working Pressure:
16 bar



Male x Male

0358	OD mm
BV28-15	15
BV28-22	22
BV28-28	28
BV28-35	35
BV28-42	42
BV28-54	54

Tech Sheet 68241

Stem Extension

- Can be used when insulating the pipework.



To suit RuB Ball Valves

0358	To Suit
PPR003	1/4"-1/2"
PPR006	3/4"-1"
PPR009	1.1/4"-2"

Tech Sheet 68243

Ball Valve Lockable Handles



Yellow

0358	To Suit
PBFG13	1/4"-1/2"
PBFG16	3/4"-1"
PBFG19	1.1/4"-2"
PBFG20	2.1/2"-4"

Tech Sheet 68244

Blue

0358	To Suit
PBFA13	1/4"-1/2"
PBFA16	3/4"-1"
PBFA19	1.1/4"-2"
PBFA20	2.1/2"-4"

Tech Sheet 68244



For J+J Electric Actuators Fitted With RuB Ball Valves
see page 1007



BALL VALVES



Plastic Ball Valves

° Working Temperature:
0°C to +60°C

Maximum Working
Pressure:
15 bar



UPVC, Industrial Double Union Ball Valve, EPDM Seals

0118	Nominal Bore ID
BV113-38-PVC	3/8"
BV113-12-PVC	1/2"
BV113-34-PVC	3/4"
BV113-1-PVC	1"
BV113-114-PVC	1.1/4"
BV113-112-PVC	1.1/2"
BV113-2-PVC	2"
BV113-212-PVC	2.1/2"
BV113-3-PVC	3"
BV113-4-PVC	4"

Tech Sheet 10254



ABS, Industrial Double Union Ball Valve, EPDM Seals

0118	Nominal Bore ID
BV113-12-ABS	1/2"
BV113-34-ABS	3/4"
BV113-1-ABS	1"
BV113-114-ABS	1.1/4"
BV113-112-ABS	1.1/2"
BV113-2-ABS	2"
BV113-212-ABS	2.1/2"
BV113-3-ABS	3"
BV113-4-ABS	4"

Tech Sheet 10255



For **Tubing Accessories**
see page **1097**

