Industrial Valves

Ball Valves

LIQUIfit®

Needle and Butterfly Valves

Axial Valves


legris

Industrial Valves

Ball Valves, Universal Series
(P. 6-8)

Fluids: compressed air, slightly corrosive fluids
Materials: nickel-plated forged brass
Pressure: 40 bar
Temperature: -20°C to +80°C
DN : 4 mm to 40 mm

Ball Valves, Universal Series, Vented
(P. 6-13)

Fluids: compressed air, slightly corrosive fluids
Materials: nickel-plated forged brass
Pressure: 40 bar
Temperature: -20°C to +80°C
DN : 4 mm to 23 mm

Ball Valves, Universal Series, Lockable
(P. 6-15)

Fluids: compressed air, slightly corrosive fluids
Materials: nickel-plated forged brass, galvanised steel and epoxy locking system
Pressure: 40 bar
Temperature: -20°C to +80°C
DN : 4 mm to 23 mm

Ball Valves, Universal Customised Series
(P. 6-9)

Fluids: compressed air, many fluids
Materials: nickel-plated forged brass, choice of seal material (NBR, EPDM, FKM, PTFE...)
Pressure: 40 bar
Temperature: -20°C to +100°C
DN : 4 mm to 40 mm

Ball Valves, Universal Light Series
(P. 6-16)

Fluids: compressed air, slightly corrosive fluids
Materials: forged brass or nickel-plated forged brass
Pressure: 12 bar
Temperature: -20°C to +80°C
DN : 4 mm to 13 mm

Ball Valves, DVGW Series
(P. 6-20)

Fluids: compressed air, water, gas
Materials: nickel-plated forged brass
Pressure: 40 bar
Temperature: -40°C to +170°C
DN : 8 mm to 50 mm

Ball Valves, Standard Series
(P. 6-22)

Fluids: compatible fluids
Materials: nickel or chromium-plated brass with PTFE seal
Pressure: 35 bar
Temperature: -20°C to +130°C
DN : 8 mm to 100 mm

Ball Valves, Stainless Steel Series
(P. 6-28)

Fluids: all fluids
Materials: 316L stainless steel
Pressure: 65 bar
Temperature: -20°C to +150°C
DN : 8 mm to 50 mm

Ball Valves, Stainless Steel Light Series
(P. 6-28)

Fluids: all fluids
Materials: 316L stainless steel
Pressure: 65 bar
Temperature: -20°C to +120°C
DN : 4 mm to 10 mm

Industrial Valves

Ball Valves, High Pressure Series
(P. 6-30)

Fluids: lubricants, gases
Materials: zinc-plated brass
Pressure: 300 bar
Temperature: -15°C to +80°C
DN : 7 mm to 13 mm

Ball Valves, Mini Series
(P. 6-32)

Fluids: compressed air
Materials: technical polymer
Pressure: 10 bar
Temperature: -20°C to +80°C
DN : 4 mm to 12 mm

Ball Valves, LIQUIfit®
(P. 6-34)

Fluids: water, beverages, CO_2, inert gases
Materials: polypropylene, EPDM seal
Pressure: 10 bar
Temperature: -15°C to +100°C
Tube Ø: 1/4" and 3/8"

Needle Valves, Brass
(P. 6-37)

Fluids: compressed air, industrial fluids
Materials: shot-blasted forged brass, nickel-plated
Pressure: 120 bar
Temperature: -20°C to +100°C
DN : 4 mm to 10 mm

Needle Valves, Stainless Steel
(P. 6-41)

Fluids: all fluids
Materials: 316L stainless steel
Pressure: 400 bar
Temperature: -20°C to +180°C
DN : 3 mm to 6 mm

Butterfly Valves
(P. 6-42)

Fluids: compressed air, abrasive fluids
Materials: shot-blasted forged brass, nickel-plated
Pressure: 16 bar
Temperature: -20°C to +80°C
DN : 6 mm to 18 mm

Axial Valves
(P. 6-45)

Fluids: compressed air, industrial fluids
Materials: nickel-plated brass
Pressure: 10 bar
Temperature: -20°C to +135°C
Threads : 3/8" to 2"

Ball Valve Range

Universal and Universal Customised Series

In-Line

0402 2/2 Page 6-10

0401 2/2 Page 6-10

0400 2/2 Page 6-10

0411 2/2 Page 6-10

0414 2/2 Page 6-10

In-Line with Fixing Holes and Panel Mounting

0446 2/2 Page 6-11

6402 2/2 Page 6-11

6401 2/2 Page 6-11

Right-Angled

0472 2/2 Page 6-11

0471 2/2 Page 6-11

In-Line, 3-Way

0482 3/3 Page 6-12

0483 3/3 Page 6-12

In-Line, 3-Way with Fixing Holes and Panel Mounting

0448 3/3 Page 6-12

0452 3/2 Page 6-12

Universal Series, Vented

In-Line

0489 3/2 Page 6-13

0449 3/2 Page 6-13

0469 3/2 Page 6-13

Right-Angled

0462 3/2 Page 6-14

0461 3/2 Page 6-14

Universal Lockable Series

In-Line

0432 2/2 Page 6-15

In-Line, Vented

0439 3/2 Page 6-15

0436 3/2 Page 6-15

0437 3/2 Page 6-15

In-Line, 3-Way

0438 3/2 Page 6-15

Universal Light Series

In-Line

0492 2/2 Page 6-17

0491 2/2 Page 6-17

0490 2/2 Page 6-17

In-Line, Vented

0494 2/2 Page 6-18

In-Line with Square Stem

0497 2/2 Page 6-18

0496 2/2 Page 6-18

Ball Valve Range

DVGW Series

In-Line

BVG4-L
2/2
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BVGT4-L
2/2
Page 6-21

Standard Series

In-Line

4902
2/2
Page 6-23

BVGT4-C
2/2
Page 6-23

Compact

4991
2/2
Page 6-23

4992
2/2
Page 6-23

In-Line, Lockable

BVG4-LOCK
2/2
Page 6-24

In-Line, Lockable, Vented

BVG4P-LOCK
3/2
Page 6-24

Stainless Steel Series

In-Line

4832
Mountable and dismountable
2/2
Page 6-29

4812
Mountable
2/2
Page 6-29

4810
One-Piece Construction
2/2
Page 6-29

0465
Light Series
2/2
Page 6-29

High Pressure Series

In-Line

4402
2/2
Page 6-31

Mini Series

In-Line

7910
2/2
Page 6-33

7911
2/2
Page 6-33

In-Line, Vented and Accessories

7913
3/2
Page 6-33

7914
3/2
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7000
Page 6-33

LIQUIfit®

In-Line

4020
2/2
Page 6-35

4021
2/2
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4023
2/2
Page 6-35

Right-Angled

4022
2/2
Page 6-35

Accessories

3130
Page 6-35

Ball Valves, Universal Series

This range of valves has patented **seal wear compensating** technology for **reliable** and **durable** sealing, **protecting** any system whether under pressure or **vacuum**.

Product Advantages

Durability & Reliability

- Automatic seal wear compensation for long-term reliability
- Robust, corrosion-resistant materials
- 100% leak-tested in production
- Date coding to guarantee quality and traceability

Versatility & Performance

- Ideal for ensuring the performance of pneumatic circuits
- Customised valves for all special applications
- Unequalled performance under vacuum
- Smooth operation thanks to self-lubricating seals
- Large range of working pressures and temperatures
- Lever can be repositioned and replaced
- Many configurations to satisfy all system requirements

Applications

Pneumatics
Vacuum
Transportation
Packaging
Textile
Sawmill
Rubber & Plastics

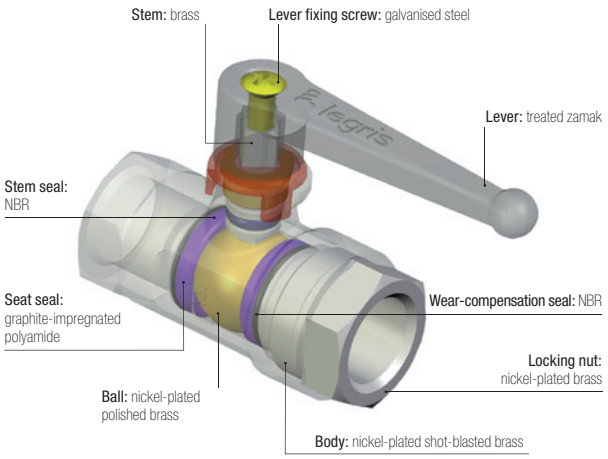
Technical Characteristics

Compatible Fluids	Industrial fluids
Working Pressure	Vacuum to 40 bar
Working Temperature	-20°C to + 80°C

Tightening Torques	Threads	G1/8	G1/4	G3/8	G1/2	G3/4	G1
	daN.m	0.10 to 0.20	0.10 to 0.20	0.15 to 0.25	0.20 to 0.35	0.50 to 0.70	0.50 to 0.70
	Threads	G1¼	G1½	G2			
	daN.m	0.40 to 0.60	0.80 to 1.20	0.80 to 1.20			

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.
Guaranteed for use with a vacuum of 755 mm Hg (99 % vacuum).

Component Materials



Silicone-free

Regulations

DI: 97/23/EC (module PED A - diameters greater than 25 mm)
DI: 2006/42/EC (Machinery Directive)
DI: 2002/95/EC (RoHS)
RG: 1907/2006 (REACH)

Universal Series

Installation Options

Lockable Valves

Our lockable ball valves have been developed in order to prevent potentially dangerous consequences caused by unintended operation. Lockable in different positions, this range meets international safety requirements, such as ISO 4414.

The valves are lockable:

- at one point: models 0432 and 0439
- at three points: models 0437 and 0438

Vented Valves

To stop fluid circulation and vent the circuit, 2 venting systems are provided:

- with threaded exhaust, to allow discharge of downstream media
- with pin-hole vent, for applications with no special discharge requirement

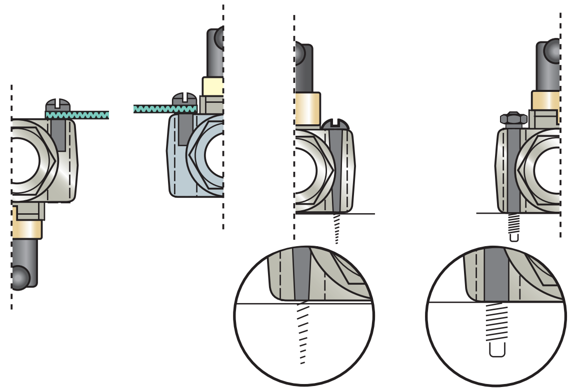
Fluid flow direction is indicated by an arrow on the valve body.

Mountable Valves

On steel plate:
- bulkhead fixing
- complete valve below bulkhead

On frame:
- assemble with bolts

On wooden panel:
- assemble with woodscrews



Universal Customised Valve Series

Based on the standard components of the universal series, this range allows the valve to be adapted to specific needs. There are 6 product versions available on request.

Product Codes

0402 04 10 22

Valve type:
0400
0401
0402
...

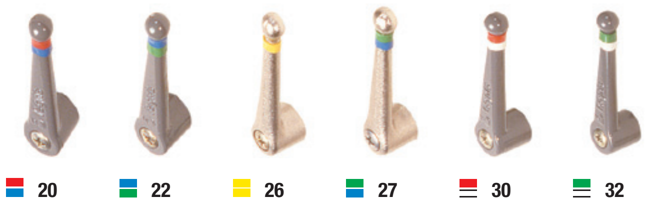
DN:
04 = 4 mm
05 = 5 mm
...
40 = 40 mm

Thread:
10 = 1/8"
13 = 1/4"
...
48 = 2"

Suffix:
20 = blue/red
22 = green/blue
26 = yellow/yellow
27 = blue/green
30 = white/red
32 = white/green

Identification

Each series may be easily identified by a colour marking on the lever.



Suffix Specification

Identification		Body		Lever			Ball		Stem and Wear-Compensation Seals			Seat Seals			Application Examples
Suffix on the body	Colour bands on the lever	Nickel-plated brass	Chemical nickel-plated brass	Standard	Nickel-plated brass	Chemical nickel-plated brass	Nickel-plated polished brass	Chemical nickel-plated brass	EPDM	FKM	PTFE white	Rilsan: graphite-impregnated	Filled PTFE	PTFE white	
20	blue / red	●		●			●			●		●			Hydrocarbons
22	green / blue	●		●				●		●			●		Industrial fluids and high temperature
26*	yellow / yellow	●			●			●			● olive			●	Corrosive liquids or high temperature
27	blue / green		●			●		●		●			●		Industrial fluids and/or harsh environments
30**	white / red	●		●			●		●			●			Gaseous oxygen circuits
32	white / green	●		●				●	●				●		Water and steam circuits

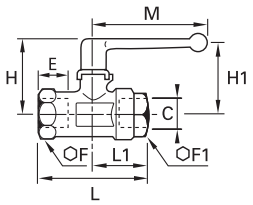
*degreased **oxygen-compatible grease

A usage chart in this chapter shows which type of valve to use according to the fluid being conveyed.

Universal and Universal Customised Series

0402 2/2 In-Line Ball Valve, Female BSPP Thread

Nickel-plated brass, NBR

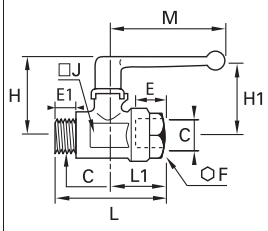


C	DN		E	F	F1	H	H1	L	L1	M	kg
G1/8	4	0402 04 10	8	-	14	35	29	44	25	48	0.094
	7	0402 07 10	8	19	19	38	31	51	27	48	0.166
G1/4	7	0402 07 13	12	19	19	38	31	53	28	48	0.156
G3/8	10	0402 10 17	12	24	24	45	43	59	31	69	0.244
G1/2	13	0402 13 21	15	27	27	47	44	67	34	69	0.292
G3/4	20	0402 20 27	16.5	32	38	63	54	80	39	108	0.655
G1	23	0402 23 34	19	41	46	67	57	94	47	108	1.036
G1¼	32	0402 32 42*	21.5	55	60	97	115	112	59	180	2.467
G1½	32	0402 32 49*	22	55	60	97	115	120	62	180	2.340
	40	0402 40 49*	22	55	55	104	-	111	55	190	2.445
G2	40	0402 40 48*	26	70	70	104	-	122	61	190	2.614

*Models with CE marking
Maximum working pressure: 40 bar

0401 2/2 In-Line Ball Valve, Male/Female BSPP Thread

Nickel-plated brass, NBR

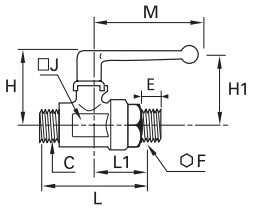


C	DN		E	E1	F	H	H1	J	L	L1	M	kg
G1/8	4	0401 04 10	8	7	14	35	29	14	45	25	48	0.094
	5	0401 05 10	8	7	19	38	31	19	51	27	48	0.160
G1/4	7	0401 07 13	12	9	19	38	31	19	52	28	48	0.150
G3/8	10	0401 10 17	12	11	24	45	43	24	58	31	69	0.234
G1/2	13	0401 13 21	15	12	27	47	44	27	66	34	69	0.286
G3/4	18	0401 18 27	16.5	12	38	63	54	39	79	39	108	0.652
G1	23	0401 23 34	19	15	46	67	57	48	91	47	108	0.952
G1¼	32	0401 32 42*	21.5	18	60	97	115	55	113	59	108	2.385

*Models with CE marking
Maximum working pressure: 40 bar

0400 2/2 In-Line Ball Valve, Male BSPP Thread

Nickel-plated brass, NBR

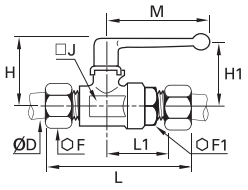


C	DN		E	F	H	H1	J	L	L1	M	kg
G1/8	4	0400 04 10	7	14	35	29	14	45	25	48	0.094
G1/4	7	0400 07 13	9	19	38	31	19	60	36	48	0.166
G3/8	10	0400 10 17	11	24	45	43	24	70	43	69	0.252
G1/2	13	0400 13 21	12	27	47	44	27	78	45	69	0.324
G3/4	18	0400 18 27	12	38	63	54	39	90	50	108	0.714

Maximum working pressure: 40 bar

0411 2/2 In-Line Ball Valve with Connections for Use with Steel Tube

Nickel-plated brass, NBR

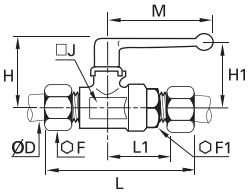


ØD	DN		F	F1	H	H1	J	L	L1	M	kg
6	4	0411 04 06	14	19	38	31	19	76	30	48	0.073
8	6	0411 06 08	17	19	38	31	19	77	30	48	0.095
10	7	0411 07 10	19	19	38	31	19	78	31	48	0.100
12	10	0411 10 12	22	24	45	43	24	85	36	69	0.110

Maximum working pressure: 40 bar

0414 2/2 In-Line Ball Valve with Compression Connections

Nickel-plated brass, NBR



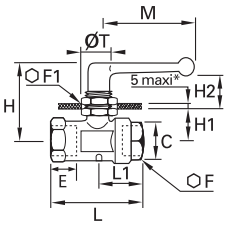
ØD	DN		F	F1	H	H1	J	L	L1	M	kg
6	4	0414 04 06	13	19	38	31	19	72	31	48	0.177
8	6	0414 06 08	14	19	38	31	19	74	30	48	0.180
10	7	0414 07 10	19	19	38	31	19	78	31	48	0.210
12	10	0414 10 12	22	24	45	43	24	86	36	69	0.308

Maximum working pressure: 40 bar

Universal and Universal Customised Series

0446 2/2 In-Line Panel-Mountable Ball Valve, Female BSPP Thread

Nickel-plated brass, NBR

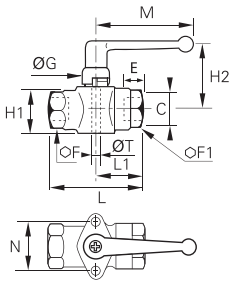


C	DN		E	F	F1	H	H1	H2	L	L1	M	ØT	kg
G1/8	4	0446 04 10	8	14	22	37	14	12	44	25	48	16.5	0.112
G1/4	7	0446 07 13	12	19	24	45	19	14	53	28	48	20.5	0.188
G3/8	10	0446 10 17	12	24	27	50	21	21	59	31	69	20.5	0.294
G1/2	13	0446 13 21	15	27	27	51	23	21	67	34	69	20.5	0.338

Maximum working pressure: 20 bar
*For G1/8 version, maximum panel thickness = 3 mm

6402 2/2 In-Line Ball Valve for Screw Fixing, Female BSPP Thread

Nickel-plated brass, NBR

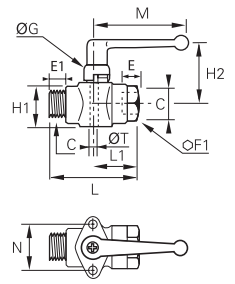


C	DN		E	F	F1	G	H1	H2	L	L1	M	N	ØT	kg
G1/8	4	6402 04 10	8	14	14	18	18	30	44	25	48	25	4x70	0.132
G1/4	7	6402 07 13	12	19	19	19	24	31	53	28	48	31	5x80	0.216
G3/8	10	6402 10 17	12	24	24	20	30	45	59	31	69	31	5x80	0.324
G1/2	13	6402 13 21	15	27	27	20	34	47	67	34	69	34	6x100	0.404
G3/4	20	6402 20 27	16.5	32	38	27	44	52	80	39	108	43	8x125	0.830
G1	23	6402 23 34	19	41	46	27	53	56	94	47	108	51	8x125	1.290

Maximum working pressure: 40 bar

6401 2/2 In-Line Ball Valve for Screw Fixing, Male/Female BSPP Thread

Nickel-plated brass, NBR

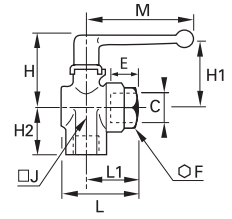


C	DN		E	E1	F	G	H1	H2	L	L1	M	N	ØT	kg
G1/8	4	6401 04 10	8	7	14	18	18	30	45	25	48	25	4x70	0.127
G1/4	7	6401 07 13	12	9	19	19	24	31	52	28	48	31	5x80	0.212
G3/8	10	6401 10 17	12	11	24	20	30	45	58	31	69	31	5x80	0.306
G1/2	13	6401 13 21	15	12	27	20	34	47	67	34	69	34	6x100	0.394

Maximum working pressure: 40 bar

0472 2/2 Right-Angled Ball Valve, Female BSPP Thread

Nickel-plated brass, NBR

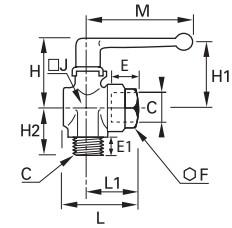


C	DN		E	F	H	H1	H2	J	L	L1	M	kg
G1/8	4	0472 04 10	8	14	35	29	18	14	34	25	48	0.096
	6	0472 06 10	8	19	38	31	20	22	37	27	48	0.183
G1/4	6	0472 06 13	12	19	38	31	24	22	38	28	48	0.191
G3/8	9	0472 09 17	12	24	45	43	27	25	46	31	69	0.260
G1/2	12	0472 12 21	15	27	47	44	33	29	49	34	69	0.312
G3/4	18	0472 18 27	16.5	38	59	51	40	39	60	39	108	0.704
G1	23	0472 23 34	19	46	63	55	47	48	72	47	108	1.062

Maximum working pressure: 20 bar

0471 2/2 Right-Angled Ball Valve, Male/Female BSPP Thread

Nickel-plated brass, NBR



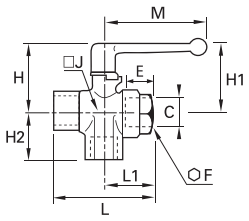
C	DN		E	E1	F	H	H1	H2	J	L	L1	M	kg
G1/8	4	0471 04 10	8	7	14	35	29	19	14	34	25	48	0.096
	6	0471 06 10	8	7	19	38	31	22	22	37	27	48	0.182
G1/4	6	0471 06 13	12	9	19	38	31	25	22	38	28	48	0.187
G3/8	9	0471 09 17	12	11	24	45	43	28	25	46	31	69	0.256
G1/2	12	0471 12 21	15	12	27	47	44	32	29	49	34	69	0.300
G3/4	18	0471 18 27	16.5	12	38	59	51	37	39	60	39	108	0.682
G1	23	0471 23 34	19	15	46	63	55	44	48	72	47	108	1.020

Maximum working pressure: 20 bar

Universal and Universal Customised Series

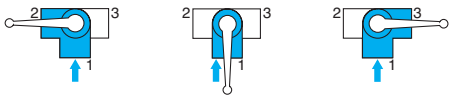
0482 3/3 Right-Angle Ported Ball Valve, Female BSPP Thread

Nickel-plated brass, NBR



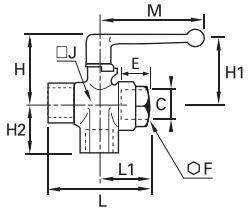
C	DN		E	F	H	H1	H2	J	L	L1	M	kg
G1/8	4	0482 04 10	8	14	35	29	18	14	44	25	48	0.103
G1/4	6	0482 06 13	12	19	38	31	24	22	53	28	48	0.200
G3/8	9	0482 09 17	12	24	45	43	27	25	59	31	69	0.284
G1/2	12	0482 12 21	15	27	47	44	33	29	67	34	69	0.346
G3/4	18	0482 18 27	16.5	38	59	51	40	39	80	39	108	0.742
G1	23	0482 23 34	19	46	63	55	47	48	94	47	108	1.160

Maximum working pressure: 20 bar



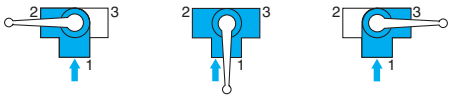
0483 3/3 Right-Angle Ported Ball Valve without Closed Position, Female BSPP Thread

Nickel-plated brass, NBR



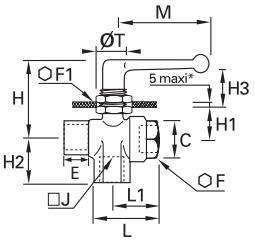
C	DN		E	F	H	H1	H2	J	L	L1	M	kg
G1/8	4	0483 04 10	8	14	35	29	18	14	44	25	48	0.102
G1/4	6	0483 06 13	12	19	38	31	24	22	53	28	48	0.196
G3/8	9	0483 09 17	12	24	45	43	27	25	59	31	69	0.278
G1/2	12	0483 12 21	15	27	47	44	33	29	67	34	69	0.340
G3/4	18	0483 18 27	16.5	38	59	51	40	39	80	39	108	0.716
G1	23	0483 23 34	19	46	63	55	47	48	94	47	108	1.066

Maximum working pressure: 20 bar



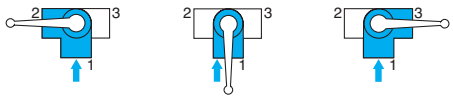
0448 3/2 Panel-Mountable Right-Angled Ball Valve, Female BSPP Thread

Nickel-plated brass, NBR



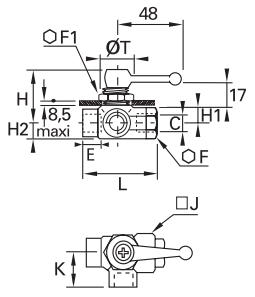
C	DN		E	F	F1	H	H1	H2	H3	J	L	L1	M	ØT	kg
G1/8	4	0448 04 10	8	14	22	37	14	18	12	14	44	25	48	16.5	0.126
G1/4	6	0448 06 13	12	19	24	45	19	24	14	22	53	28	48	20.5	0.230
G3/8	9	0448 09 17	12	24	27	50	21	27	21	25	59	31	69	20.5	0.328
G1/2	12	0448 12 21	15	27	27	51	23	33	21	29	67	34	69	20.5	0.392

Maximum working pressure: 20 bar
*For G1/8 version: maximum panel thickness = 3 mm



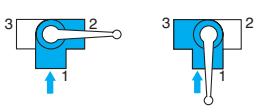
0452 3/2 Panel-Mountable Equal Plane Ball Valve, Female BSPP Thread

Nickel-plated brass, NBR



C	DN		E	F	F1	H	H1	H2	J	K	L	ØT	kg
G1/8	4	0452 04 10	8	14	22	39	10	8	16	18	25	19	0.130
G1/4	6	0452 06 13	12	19	24	40	11	11	23	24	28	20	0.206

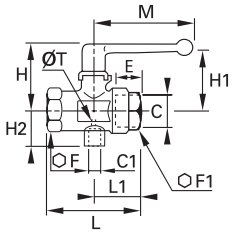
Maximum working pressure: 20 bar



Universal Series, Vented

0489 3/2 In-Line Vented Ball Valve, Female BSPP and Metric Thread

Nickel-plated brass, NBR

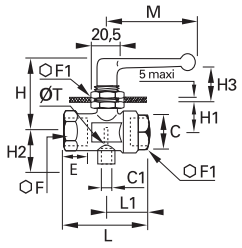


C	C1	DN		E	F	F1	H	H1	H2	L	L1	M	ØT	kg
G1/4	M5x0.8	7	0489 07 13	12	24	24	46	43	17	59	31	69	2	0.270
G3/8	M5x0.8	10	0489 10 17	12	24	24	46	43	17	59	31	69	2	0.243
G1/2	G1/8	13	0489 13 21	15	27	27	47	44	24	67	34	69	2	0.310
G3/4	G1/4	18	0489 18 27	16.5	32	38	63	54	33	80	39	108	2.5	0.670
G1	G1/4	23	0489 23 34	19	41	46	67	57	37	94	47	108	3	1.050

Maximum working pressure: 40 bar

0449 3/2 Panel-Mountable In-Line Ball Valve, Female BSPP and Metric Thread

Nickel-plated brass, NBR

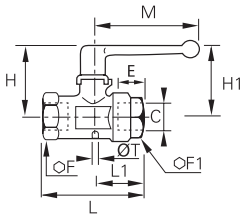


C	C1	DN		E	F	F1	H	H1	H2	H3	L	L1	M	ØT	kg
G1/4	M5x0.8	7	0449 07 13	12	24	27	50	20	17	21	59	31	69	2.5	0.313
G3/8	M5x0.8	10	0449 10 17	12	24	27	50	20	17	21	59	31	69	2.5	0.291
G1/2	G1/8	13	0449 13 21	15	27	27	52	23	24	21	67	34	69	4	0.352

Maximum working pressure: 20 bar

0469 3/2 In-Line Vented Ball Valve, Female BSPP Thread

Nickel-plated brass, NBR

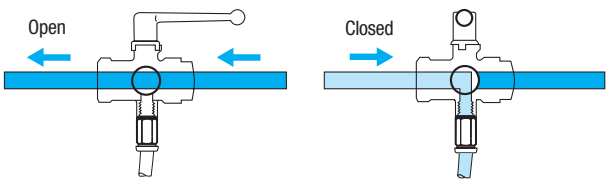


C	DN		E	F	F1	H	H1	L	L1	M	ØT	kg
G1/8	4	0469 04 10	8	14	14	35	29	44	25	48	1.5	0.092
G1/4	7	0469 07 13	12	24	24	46	43	59	31	70	2	0.268
G3/8	10	0469 10 17	12	24	24	46	43	59	31	70	2	0.246
G1/2	13	0469 13 21	15	27	27	47	44	67	34	70	2	0.294
G3/4	18	0469 18 27	16.5	32	38	63	54	80	39	108	2.5	0.668
G1	23	0469 23 34	19	41	46	67	57	94	47	108	3	1.026

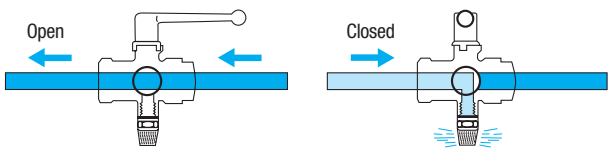
Maximum working pressure: 40 bar

Operation of Vented Ball Valves

With vent connected to a tube = collection of purged media



With vent connected to a silencer = noiseless discharge to atmosphere

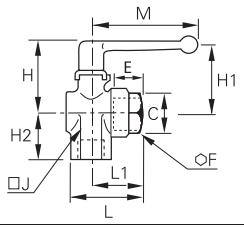


You will find our ranges of fittings, tubing and silencers in Chapters 1, 3 and 9.

Universal Series, Vented

0462 3/2 Right-Angled Ball Valve with Vent, Female BSPP Thread

Nickel-plated brass, NBR

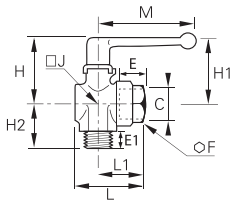


C	DN		E	F	H	H1	H2	J	L	L1	M	kg
G1/8	6	0462 06 10	8	19	38	31	20	22	37	27	48	0.192
G1/4	6	0462 06 13	12	19	38	31	24	22	38	28	48	0.185
G3/8	9	0462 09 17	12	24	45	43	27	25	46	31	69	0.261
G1/2	12	0462 12 21	15	27	47	44	33	29	49	34	69	0.312
G3/4	18	0462 18 27	16.5	38	59	51	40	39	60	39	108	0.698
G1	23	0462 23 34	19	46	63	55	47	48	72	47	108	1.066

Maximum working pressure: 20 bar

0461 3/2 Right-Angled Ball Valve with Vent, Male/Female BSPP Thread

Nickel-plated brass, NBR

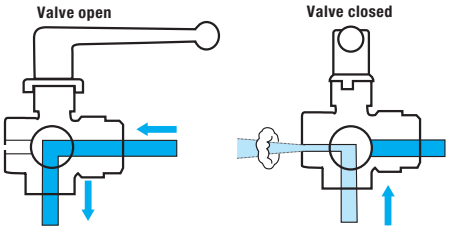


C	DN		E	E1	F	H	H1	H2	J	L	L1	M	kg
G1/8	6	0461 06 10	8	7	19	38	31	20	22	37	27	48	0.182
G1/4	6	0461 06 13	12	9	19	38	31	24	22	38	28	48	0.186
G3/8	9	0461 09 17	12	11	24	45	43	27	25	46	31	69	0.257
G1/2	12	0461 12 21	15	12	27	47	44	33	29	49	34	69	0.304
G3/4	18	0461 18 27	16.5	12	38	59	51	40	39	60	39	108	0.648

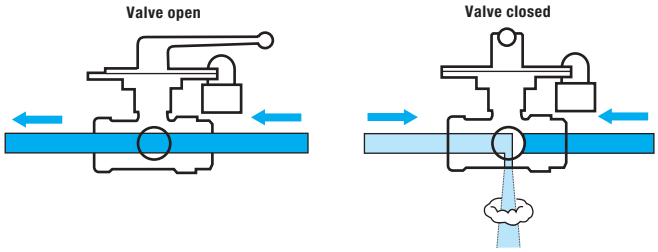
Maximum working pressure: 20 bar

Operation of Right-Angled Vented Ball Valves

With pin-hole vent = purge to atmosphere without silencer



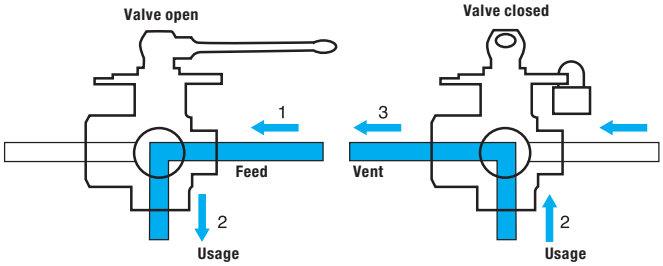
Operation of Lockable Vented Ball Valves



Removable lever: where the lever is obstructed in its movement, it can be refitted the opposite way.

Operation of 3/2 Lockable Valves

Drilled below and square in the horizontal plane, these valves provide a connection between:
either port 1 and port 2, or port 2 and port 3.

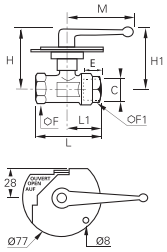


Removable lever: where the lever is obstructed in its movement, it can be refitted the opposite way.

Universal Series, Lockable

0432 2/2 In-Line Lockable Ball Valve, Female BSPP Thread

Nickel-plated brass, NBR

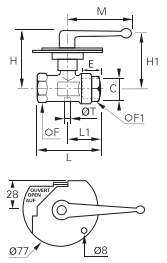


C	DN		E	F	F1	H	H1	L	L1	M	kg
G1/8	4	0432 04 10	8	19	19	59	54	51	27	69	0.415
G1/4	7	0432 07 13	12	19	19	59	54	59	28	69	0.396
G3/8	10	0432 10 17	12	24	24	60	55	59	31	69	0.460
G1/2	13	0432 13 21	15	27	27	62	57	67	34	69	0.522
G3/4	20	0432 20 27	16.5	32	38	66	56	80	39	108	0.800
G1	23	0432 23 34	19	41	46	70	59	94	47	108	1.186

Maximum working pressure: 40 bar
Handle is not removable.
Fixed and mobile plates: zinc-plated steel.

0439 3/2 In-line Vented Lockable Ball Valve, Female BSPP Thread

Nickel-plated brass, NBR

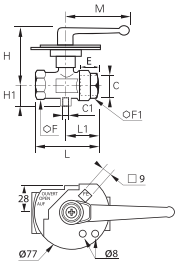


C	DN		E	F	F1	H	H1	L	L1	M	ØT	kg
G1/8	4	0439 04 10	8	19	19	59	54	51	27	69	2	0.410
G1/4	7	0439 07 13	12	19	24	60	55	59	31	69	2	0.480
G3/8	10	0439 10 17	12	24	24	60	55	59	31	69	2	0.460
G1/2	13	0439 13 21	15	27	27	62	57	67	34	69	2	0.514
G3/4	18	0439 18 27	16.5	32	38	66	56	80	39	108	2.5	0.810
G1	23	0439 23 34	19	41	46	70	59	94	47	108	3	1.185

Maximum working pressure: 40 bar
Handle is not removable.
Fixed and mobile plates: zinc-plated steel.

0436 3/2 In-Line Lockable Ball Valve with Threaded Exhaust Port, Female BSPP and Metric Thread

Nickel-plated brass, NBR

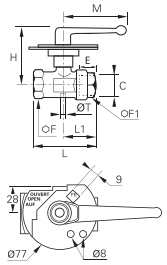


C	C1	DN		E	F	F1	H	H1	L	L1	M	kg
G3/8	M5x0.8	10	0436 10 17	12	24	24	60	17	60	32	69	0.475
G1/2	G1/8	13	0436 13 21	15	27	27	60	24.5	67.5	34.5	69	0.500
G3/4	G1/4	18	0436 18 27	16.5	32	38	69.5	33	80	39.5	108	0.850
G1	G1/4	23	0436 23 34	19	32	38	69.5	33	80	39.5	108	1.215

Maximum working pressure: 40 bar
Handle is not removable.
Fixed and mobile plates: zinc-plated steel.

0437 3/2 In-line Vented 3-Point Lockable Ball Valve, Female BSPP Thread

Nickel-plated brass, NBR

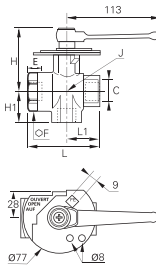


C	DN		E	F	F1	H	L	L1	M	ØT	kg
G1/4	7	0437 07 13	12	24	24	60	59	32	69.5	2	0.476
G3/8	10	0437 10 17	12	24	24	60	60	32	69.5	2	0.456
G1/2	13	0437 13 21	15	27	27	60	67.5	34.5	69.5	2	0.510
G3/4	18	0437 18 27	16.5	32	38	69.5	80	39.5	108.5	2.5	0.820
G1	23	0437 23 34	19	41	46	73	94.5	47.5	108.5	3	1.192

Maximum working pressure: 40 bar
Handle is not removable.
Fixed and mobile plates: zinc-plated steel.

0438 3/2 Right-Angled 3-Point Lockable Ball Valve, Female BSPP Thread

Nickel-plated brass, NBR



C	DN		E	F	H	H1	J	L	L1	kg
G3/8	9	0438 09 17	12	38	76	34	39	73	35	0.970
G1/2	12	0438 12 21	15	38	76	37	39	78	38	0.947
G3/4	18	0438 18 27	16.5	38	76	40	39	80	40	0.905
G1	23	0438 23 34	19	46	80	47	48	94	47	1.295

Maximum working pressure: 20 bar
Fixed plate: zinc-plated steel, mobile plate: steel, grey epoxy-coated.
Removable handle: where the handle is obstructed in its movement, it can be refitted opposite the original position.

Ball Valves, Universal Light Series

Using the Universal Series technology, the Parker Legris light series valves offer the advantages of **compactness**, **ease of operation** and **long-term reliability**.

Product Advantages

Easy-to-Use

- Ease of operation due to the low friction design
- The short levers may be repositioned and exchanged
- Extremely compact
- Wide range of configurations

Maximum Efficiency

- Excellent performance under vacuum
- Full flow
- Chemical nickel-plated brass with high phosphorous content for outstanding corrosion resistance
- Automatic seal wear compensation system

Reliability

- Tried-and-tested technology
- Forged brass provides mechanical strength and long service life
- 100% leak-tested in production
- Date coding to guarantee quality and traceability

Applications

Vacuum
Transportation
Packaging
Textile
Pneumatics
Sawmills
Rubber & Plastics

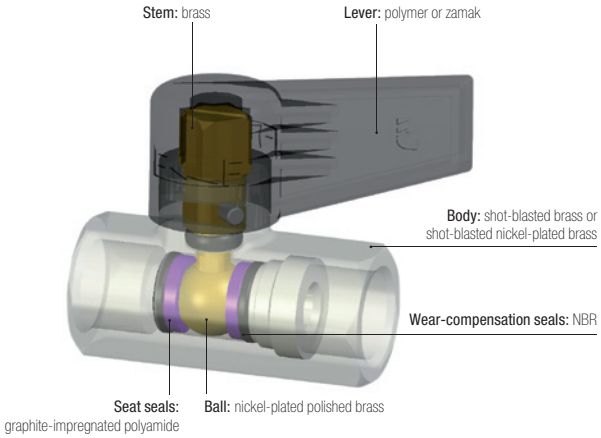
Technical Characteristics

Compatible Fluids	Compressed air Other fluids: see compatibility chart at the end of this chapter
Working Pressure	Vacuum to 12 bar
Working Temperature	-20°C to +80°C

Tightening Torques	**Threads**	G1/8	G1/4	G3/8	G1/2	G3/4
	daN.m	0.10 to 0.20	0.10 to 0.20	0.15 to 0.25	0.20 to 0.35	0.50 to 0.70

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.
Guaranteed for use with a vacuum of 755 mm Hg (99% vacuum).

Component Materials



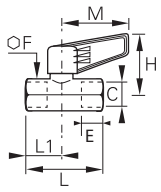
Silicone-free

Regulations

DI: 97/23/EC (module PED A - diameters greater than 25 mm)
DI: 2006/42/EC (Machinery Directive)
DI: 2002/95/EC (RoHS)
RG: 1907/2006 (REACH)

0492 2/2 In-Line Ball Valve, Female BSPP Thread

Nickel-plated brass, NBR

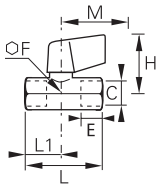


C	DN		E	F	H	L	L1	M	kg
G1/4	4	0492 04 13	9	17	34	39.5	17	35	0.073
G3/8	7	0492 07 17	11	22	38	45	20	43	0.128
G1/2	10	0492 10 21	12	24	44	54	25	50	0.162
G3/4	13	0492 13 27	14	30	46	62	28	50	0.240

Technical polymer handle

0492..64 2/2 In-Line Ball Valve, Short Handle, Female BSPP Thread

Nickel-plated brass, NBR

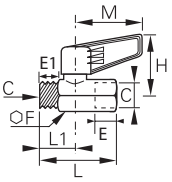


C	DN		E	F	H	L	L1	M	kg
G1/4	4	0492 04 13 64	9	17	36	39.5	17	25	0.090

Short handle in zamak

0491 2/2 In-Line Ball Valve, Male/Female BSPP Thread

Nickel-plated brass, NBR

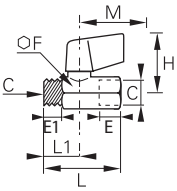


C	DN		E	E1	F	H	L	L1	M	kg
G1/4	4	0491 04 13	9	7	17	34	39.5	17	35	0.070
G3/8	7	0491 07 17	11	8	22	38	45	20	43	0.124
G1/2	10	0491 10 21	12	10	24	44	53	24	50	0.160
G3/4	13	0491 13 27	14	12	30	46	59	25	50	0.238

Technical polymer handle

0491..64 2/2 In-Line Ball Valve, Short Handle, Male/Female BSPP Thread

Nickel-plated brass, NBR

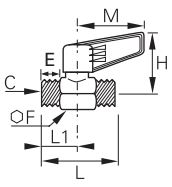


C	DN		E	E1	F	H	L	L1	M	kg
G1/4	4	0491 04 13 64	9	7	17	36	39.5	17	25	0.092

Short handle in zamak

0490 2/2 In-Line Ball Valve, Male BSPP Thread

Nickel-plated brass, NBR



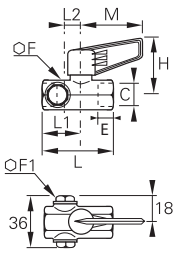
C	DN		E	F	H	L	L1	M	kg
G1/4	4	0490 04 13	7	17	34	39	17	35	0.070
G3/8	7	0490 07 17	8	22	38	44	20	43	0.109
G1/2	10	0490 10 21	10	24	44	53	24	50	0.160
G3/4	13	0490 13 27	12	30	46	59	25	50	0.233

Technical polymer handle

Universal Light Series

0494 2/2 In-Line Ball Valve, 2 Vent Plugs, Female BSPP Thread

Nickel-plated brass, NBR

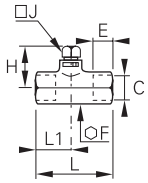


C	DN		E	F	F1	H	L	L1	L2	M	kg
G3/8	7	0494 07 17	11	22	16	38	60	20	15	43	0.178

Technical polymer handle

0497 2/2 Ball Valve, Square Stem, Female BSPP Thread

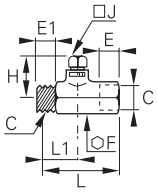
Brass, NBR



C	DN		E	F	H	J	L	L1	kg
G1/4	4	0497 04 13	9	17	25	7	39	17	0.066
G3/8	7	0497 07 17	11	22	26	7	45	20	0.122
G1/2	10	0497 10 21	12	24	29	10	54	25	0.148
G3/4	13	0497 13 27	14	30	30	10	62	28	0.230

0496 2/2 Ball Valve, Square Stem, Male/Female BSPP Thread

Brass, NBR



C	DN		E	E1	F	H	J	L	L1	kg
G1/4	4	0496 04 13	7	9	17	25	7	39	17	0.065
G3/8	7	0496 07 17	8	11	22	26	7	45	20	0.118
G1/2	10	0496 10 21	10	12	24	29	10	53	24	0.150
G3/4	13	0496 13 27	12	14	30	30	10	59	28	0.222

Ball Valves, DVGW Series

The combination of long threads, a reinforced sealing system and **DVGW** certification makes this valve perfect for the **transmission of gas and water**.

Product Advantages

Reliability & Sealing
- Stem prevented from being ejected in the event of overpressure
- Two stem seals to prevent leakage
- Date coding to guarantee quality and traceability

Optimum Performance
- Full flow minimises pressure drop
- Nickel-plated brass provides improved corrosion resistance and increased chemical compatibility
- Can be operated at very low temperatures

Long Threads
- Excellent fitting compatibility:
  - dimensions compliant with DIN 3357
  - BSPP threads compliant with DIN 2999/ISO 228

Applications

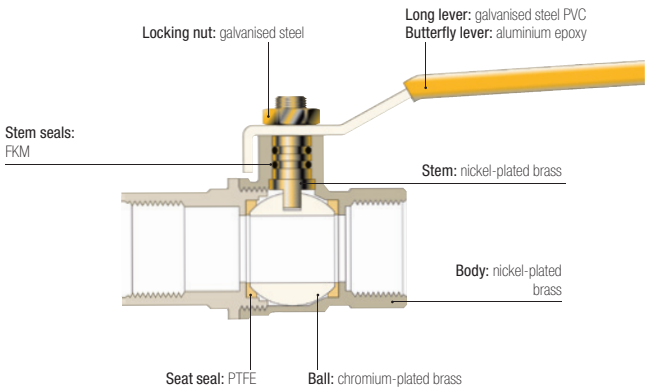
Robotics
Pneumatics
Water & Gas Handling
Machine Tools
Textile
Wood Industry

Technical Characteristics

Compatible Fluids	Compressed air, water, gas
Working Pressure	1/4" to 2": 0 to 40 bar
Working Temperature	-40°C to +170°C

Reliable performance is dependent upon the type of fluid conveyed.

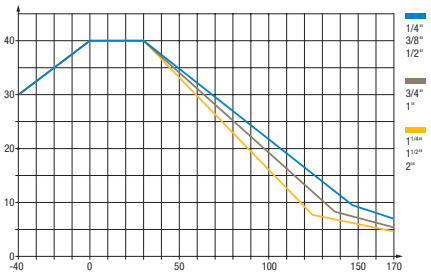
Component Materials



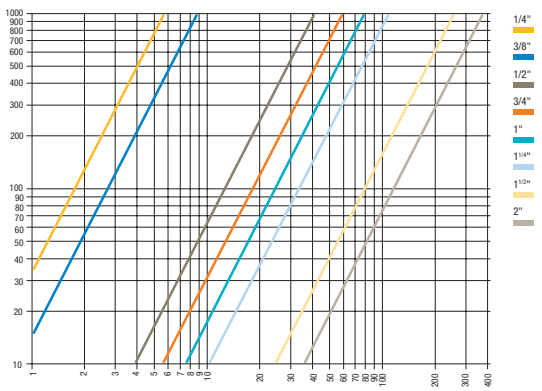
Silicone-free

Working Pressure and Temperature

Pressure - Temperature



Pressure Drop



Regulations

Industrial
DI: 97/23/EC
(PED B+D module EC 1115)

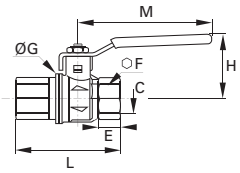
Water
DVGW: W 570-1
DIN EN 13228
BGA KTW
DVGW: W270

Gas
DIN EN 33

DVGW Series

BVG4-L 2/2 In-Line Ball Valve, Female BSPP Thread

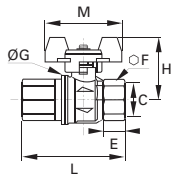
Nickel-plated brass , PTFE



C	DN		E	F	ØG	H	L	M	kg
G1/4	8	BVG4-1/4L	12	20	25	38	50	82	0.150
G3/8	10	BVG4-3/8L	12	20	25	38	60	82	0.150
G1/2	15	BVG4-1/2L	15.5	25	32.5	43	75	100	0.255
G3/4	20	BVG4-3/4L	17	32	39	50	80	120	0.390
G1	25	BVG4-1L	21	41	47.5	54	90	120	0.590
G1¼	32	BVG4-1,1/4L	23	50	59	73	110	158	0.980
G1½	40	BVG4-1,1/2/4L	23	55	71.5	79	120	158	1.205
G2	50	BVG4-2L	26.5	70	86	86	140	158	1.960

BVGT4-L 2/2 In-Line Ball Valve, Female BSPP Thread

Nickel-plated brass, PTFE



C	DN		E	F	ØG	H	L	M	kg
G1/4	8	BVGT4-1/4L	12	20	25	39	50	50	0.150
G3/8	10	BVGT4-3/8L	12	20	25	39	60	50	0.150
G1/2	15	BVGT4-1/2L	15.5	25	32.5	43	75	50	0.230
G3/4	20	BVGT4-3/4L	17	32	39	47	80	60	0.350
G1	25	BVGT4-1L	21	41	47.5	51	90	60	0.550

Compact lever

Ball Valves, Standard Series

This range of valves with **fluoropolymer seals**, available in compact, standard and lockable series, covers many **industrial applications** for which the fluids conveyed and working temperatures require this seal material.

Product Advantages

Optimised Installation

- Full fluid flow
- Long or butterfly lever
- Corrosion resistance
- A lockable version for operational safety
- Good value/performance ratio

Wide Compatibility

- Numerous compatible fluids
- Can be used for low and medium pressure applications
- Surface treatment for corrosion protection

Applications

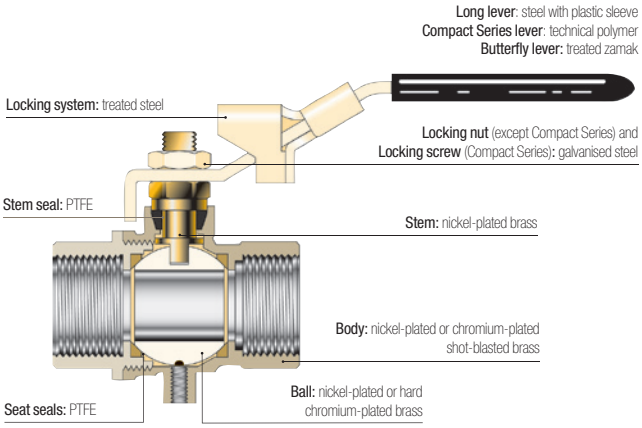
Machine Tool
Agricultural Machinery
Textile
Pneumatics
Plumbing
Air Conditioning
Heating

Technical Characteristics

Model	Standard and Lockable Series	Compact Series
Compatible Fluids	Compressed air, gas, water, water vapour, oil and all fluids compatible with the component materials	
Working Pressure	0 to 30 bar	0 to 35 bar
Working Temperature	-20°C to +130°C	-10°C to +90°C

Reliable performance is dependent upon the type of fluid conveyed.

Component Materials



Silicone-free

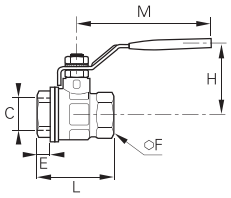
Regulations

Industrial
DI: 97/23/EC (module PED A - EC diameters greater than 25 mm)
DI: Machinery Directive 2006/42/EC
DI: 2002/95/EC (RoHS)
RG: 1907/2006 (REACH)
DI: 89/392/EC

Standard Series

4902 2/2 Standard In-Line Ball Valve, Female BSPP Thread

Nickel-plated brass, PTFE

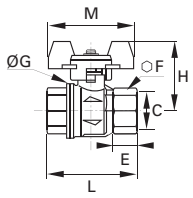


C	DN		PN	E	F	H	L	M	kg
G1/4	10	4902 10 13	30	11	20	43	51.5	98	0.154
G3/8	10	4902 10 17	30	11.4	20	43	51.5	98	0.138
G1/2	15	4902 15 21	30	13.5	25	47	55	98	0.202
G3/4	20	4902 20 27	30	12.5	31	58	57.5	122	0.322
G1	25	4902 25 34	30	15	38	60	69.5	122	0.468
G1¼	32	4902 32 42*	25	17	48	77	81.5	153	0.794
G1½	40	4902 40 49*	25	18	54	83	95	153	1.082
G2	50	4902 50 48*	25	22	66	95	113	162	1.787
G2½	65	4902 65 47*	30	22	85	132	136	255	4.500
G3	80	4902 80 46*	30	25	99	140	157	255	5.840
G4	100	4902 01 45*	30	29	125	154	191	255	9.040

*Models with CE marking
Model from 2½": double stem seal in FPM
Working temperature: -40°C to +170°C

BVGT4-C 2/2 Standard In-Line Ball Valve, Female BSPP Thread

Sand-blasted nickel-plated brass, PTFE

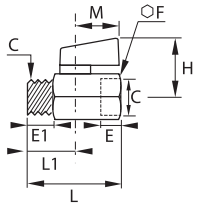


C	DN		E	F	G	H	L	M	kg
G1/4	8	BVGT4-1/4C	9	20	25	40	39	50	0.130
G3/8	10	BVGT4-3/8C	9	20	25	40	39	50	0.120
G1/2	15	BVGT4-1/2C	11	25	32.5	44	50	50	0.180
G3/4	20	BVGT4-3/4C	12	31	39	49	54	50	0.265
G1	25	BVGT4-1C	14	38	47.5	53	67	50	0.390

Compact lever

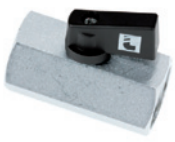
4991 2/2 Standard Compact In-Line Ball Valve, Male/Female BSPP Thread

Chromium-plated brass, PTFE

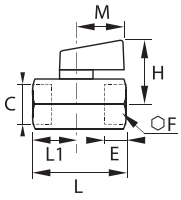


C	DN		E	E1	F	H	L	L1	M	kg
G1/8	6	4991 00 10	10	10	21	30	41.5	10	24	0.091
G1/4	8	4991 00 13	11	11	21	30	41.5	11	24	0.087
G3/8	8	4991 00 17	11	11	21	30	41.5	10.5	24	0.087
G1/2	10	4991 00 21	13	13	25	32	49	12.5	24	0.134

4992 2/2 Standard Compact In-Line Ball Valve, Female BSPP Thread



Chromium-plated brass, PTFE



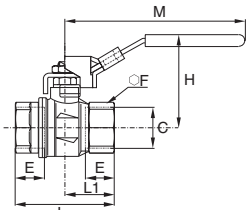
C	DN		E	F	H	L	L1	M	kg
G1/8	6	4992 00 10	10	21	30	41.5	10	24	0.110
G1/4	8	4992 00 13	11	21	30	41.5	11	24	0.106
G3/8	8	4992 00 17	11	21	30	41.5	10.5	24	0.094
G1/2	10	4992 00 21	13	25	32	49	12.5	24	0.142

Standard Series

BVG4-LOCK

2/2 In-Line Lockable Ball Valve, Female BSPP Thread

Sand-blasted nickel-plated brass, PTFE

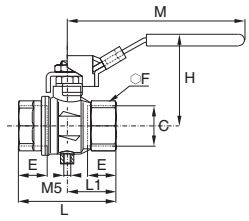


C	DN		E	F	H	L	L1	M	kg
G1/4	8	BVG4-1/4LOCK	12	20	47.5	45	22.5	96	0.154
G3/8	10	BVG4-3/8LOCK	12	20	47.5	45	22.5	96	0.171
G1/2	15	BVG4-1/2LOCK	15.5	25	52	59	29.5	96	0.238
G3/4	20	BVG4-3/4LOCK	17	31	59.5	64	32	117	0.370
G1	25	BVG4-1LOCK	21	40	63.5	81	40.5	117	0.580

BVG4P-LOCK

2/2 In-Line Lockable Vented Ball Valve, Female BSPP Thread

Sand-blasted nickel-plated brass, PTFE



C	DN		E	F	H	L	L1	M	kg
G1/4	8	BVG4P-1/4LOCK	12	20	47.5	45	22.5	96	0.155
G3/8	10	BVG4P-3/8LOCK	12	20	47.5	45	22.5	96	0.172
G1/2	15	BVG4P-1/2LOCK	15.5	25	52	59	29.5	96	0.239
G3/4	20	BVG4P-3/4LOCK	17	31	59.5	64	32	117	0.371
G1	25	BVG4P-1LOCK	21	40	63.5	81	40.5	117	0.581

Ball Valves: Usage Chart

The chart below shows the compatibility between valves and fluids along with their pressure and temperature characteristics.

Certain models have a maximum working pressure which differs from that given in this table. In this case, the pressure is shown in the heading for the model number in question.

N.B.: Above 32 mm or 1¼" diameters, divide the maximum pressure by 2.

If the fluid you are using is not shown in this chart, please contact us.

Chemical Description	Maximum Pressure (bar)	Temperature °C		Universal and Light Series	Standard Series	DVGW series	Customised Series					
		Min.	Max.				20	22	26	27	30	32
"Aromatic" hydrocarbons	20	-20	+60					●				
Acetone and other ketones	20	-20	+60									●
Acetophenone	20	-20	+60									●
Acetylene - Acetone	20	-20	+60									●
Acetylene (gas)	20	-20	+60	●	●	●						
Alcohol (100%)	20	-20	Boiling									●
Aluminium (liquid suspension, thick)	40	-20	+90	●	●	●						
Amyl alcohol	20	-20	Boiling									●
Animal fats, greases	20	+5	+200		●	●			●			
Antifreeze or glycol (diluted)	40	-20	+40	●	●	●						
Argon (gas) Ar	20	-20	+60	●	●	●						
Barium - Hydroxide	20	-20	+40									●
Benzaldehyde	20	-20	+60									●
Benzene	20	-20	+60					●				
Benzyl alcohol	20	-20	Boiling					●				
Borax (pastes or solutions)	20	-20	+60									●
Brake fluids (automobile)	20	-20	+90									●
Bromochlorotrifluorethane	20	-20	+60		●	●			●			
Butadiene (hydrocarbon)	20	-20	+60							●		
Butane	20	-20	+60	●	●	●						
Butanol	20	-20	Boiling					●				
Butyl alcohol	20	-20	Boiling					●				
Butylene (hydrocarbon)	20	-20	+60					●				
Carbon dioxide gas CO_2	40	-20	+60	●	●							
Castor oil	40	-20	+90	●	●							
Compressed air	20	-25	+180					●				
Creosotes	20	-20	+60							●		
Cresols	20	-20	+60							●		
Crude oil	20	-20	+40				●					
Cutting oil	40	-20	+90	●	●							
Decalin (hydrocarbon, solvent)	20	-20	+60							●		
Detergents (solutions)	20	-20	+100									●
Diacetone alcohol	20	-20	Boiling									●
Diesel oils	40	-20	+90	●	●							
Di-Esters	20	-20	+90					●				
Di-Isobutylene	20	-20	+60							●		
Di-Pentane	20	-20	+60					●				

The above recommendations are given in good faith. However, since each application is different, it is advisable to undertake tests in actual working conditions.

Ball Valves: Usage Chart

Chemical Description	Max. Pressure (bar)	Temperature °C		Universal and Light Series	Standard Series	DVGW Series	Customised Series					
		Min.	Max.				20	22	26	27	30	32
Di-Pentene (solvents, varnish)	20	-20	+60					●				
Di-Phenyl-Oxide (thin detergents)	20	-20	+60							●		
Distilled water	40		+90	●	●	●						
Edible fats	20	+5	+200		●				●			
Edible oils	20	+5	+200		●				●			
Erytrene (see Butadiene)	20	-20	+60							●		
Ethane (gas) CH_2CH_3	20	-20	+60	●	●							
Ethane (hydrocarbon gas)	20	-20	+60							●		
Ethyl alcohol	20	-20	+60									●
Ethylene glycol (antifreeze) - see Glycols	20	-20	+120									●
Fatty alcohols	20	-20	Boiling					●				
Fuel oils	40	-20	+40	●	●	●						
Fuels-Diesels	40	-20	+40	●	●							
Gaseous oxygen (ambient air)	20	-20	+40								●	
Glycerine	20	-20	+40	●	●							
Glycol (for antifreeze, lubricants)	40	-20	+40	●	●							
Graphite in suspension in water, oils and greases	40	-20	+90	●	●							
Greases (from petroleum)	40	-20	+90	●	●							
Helium (gas)	20	-20	+60								●	
Heptanal	20	-20	+50	●	●							
Hexane (solvent)	20	-20	+60								●	
Hydraulic oils (petroleum-based)	40	-20	+90	●	●							
Hydrogen (gas)	20	-20	+60								●	
Inks	20	-20	+60							●		
Insecticides	20	0	+40	●	●	●						
Iso-Butane (aliphatic hydrocarbon)	20	-20	+60							●		
Iso-Octane	20	-20	+60							●		
Isopropyl alcohol	20	-20	Boiling									●
Krypton (gas) Kr	20	-20	+60	●	●	●						
Light water	40		+80	●	●	●						
Lighting gas	20	-20	+40			●						
Methane (gas) CH_4	20	-20	+60	●	●	●						
Methanol	20	-20	Boiling									●
Methyl alcohol	20	-20	Boiling									●
Methylated spirit	40	-20	+40	●	●	●						
Mineral oils	40	-20	+90	●	●							
Natural gas	20	-20	+40			●						
Natural waxes (vegetable, beeswax, carnauba, Chinese, lignite)	40	-20	+90							●		
Neatsfoot oil	40	-20	+90	●	●	●						
Neon (Gas) Ne	20	-20	+60	●	●	●						
Nitrogen (gas) N^2	40	-20	+90	●	●	●						
Oil (petroleum-based) and water emulsions	40	-20	+90	●	●	●						

The above recommendations are given in good faith. However, since each application is different, it is advisable to undertake tests in actual working conditions.

Ball Valves: Usage Chart

Chemical Description	Max. Pressure (bar)	Temperature °C		Universal and Light Series	Standard Series	DVGW Series	Customised Series					
		Min.	Max.				20	22	26	27	30	32
Oils "synthetic"	20	-20	+100									●
Ordinary petrol	20	-20	+40	●	●							
Oxygenated water	40	-20	+30				●					
Paints and relevant solvents	20	-20	+60		●	●			●			
Paraffin oil	40	-20	+90	●	●	●						
Paraffins	20	-20	+60	●	●	●						
Pentane (liquid hydrocarbon)	20	-20	+60	●	●	●						
Pentanols 1 and 2	20	-20	Boiling									●
Petrol "super"	20	-20	+40				●					
Petroleum mineral oils	20	-20	+160					●				
Phenol (aqueous or alcoholic)	20	-20	+60		●	●			●			
Propane	20	-20	+60	●	●	●						
Propanols 1 and 2	20	-20	Boiling									●
Propanone 2	20	-20	+60									●
Propene or Propylene	20	-20	+60					●				
Propyl alcohol	20	-20	Boiling									●
Propylene or Propene	20	-20	+60					●				
Rapeseed oil	40	-20	+90	●	●							
Saponifying liquids	20	-20	+30	●	●	●						
Seawater	40		+80	●	●	●						
Seawater (high temperature)	20		+150			●				●		
Soaps	20	-20	+100									●
Soaps (liquid or paste)	40	-20	+40	●	●	●						
Sodium carbonate (with water)	20	0	+40	●	●	●						
Starch (gels or pastes)	40	+10	+40	●	●	●						
Steam	20	-20	+150									●
Toluene (terpenic hydrocarbon)	20	-20	+60		●	●			●			
Trichlorethylene	20	-20	+65					●				
Turpentine	20	-20	+50	●	●	●						
Varnish and paints	20	-20	+60		●	●			●			
Vaseline	40	-20	+60	●	●	●						
Vaseline oil	40	-20	+90	●	●	●						
Water (carbonated)	40		+90	●	●	●						
Water (high temperature)	20		+150			●						●
Xenon (gas) Xe	20	-20	+60	●	●	●						
Xylene	20	-20	+60					●				

The above recommendations are given in good faith. However, since each application is different, it is advisable to undertake tests in actual working conditions.

Ball Valves, Stainless Steel Series

Stainless steel series ball valves can withstand **corrosive fluids** and **environments**. With full flow, high pressure and temperature capabilities, these valves are suitable for many applications.

Product Advantages

Reliability

- Full flow
- Excellent chemical compatibility
- High resistance to pressure/temperature
- Light series version: 100% leak-tested in production, date coding to guarantee quality and traceability

Versatility

Three in-line versions:
- One-piece: cannot be disassembled
- 3-piece: easily disassembled for maintenance and cleaning
- Light Series: for maximum compactness

Fixing plate: 4812 and 4832
- Through-bulkhead fitting
- Pneumatic or electronic actuation (ISO 5211 standard)

Applications

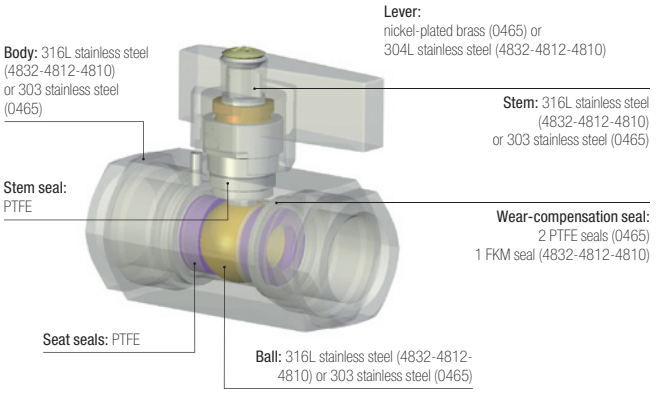
Food Process
Aviation
Chemical
Semi-Conductors
Medical
Petrochemical
Laboratories
Pharmaceutical

Technical Characteristics

Compatible Fluids	Type 4810, 4812 and 4832	Type 0465
	All fluids	All fluids
Working Pressure	0 to 65 bar	Vacuum to 20 bar
Working Temperature	-20°C to +150°C	-20°C to +120°C

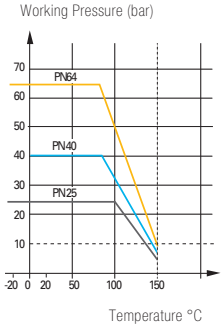
Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.
Guaranteed for use with a vacuum of 755 mm Hg (99% vacuum).

Component Materials



Pressure and Temperature Resistance

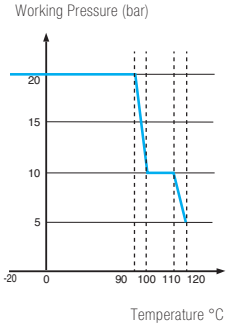
Version 4810, 4812 and 4832



Examples at +100°C:
PN 64: 48 bar
PN 40: 30 bar
PN 42: 17 bar

For temperatures between +150°C and +200°C, please contact us.

Version 0465



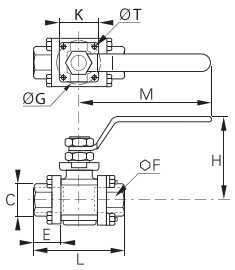
Regulations

Industrial
DI: 97/23/EC (module PED A - EC diameters greater than 25 mm)
DI: Machinery Directive 2006/42/EC
DI: 2002/95/EC (RoHS)
RG: 1907/2006 (REACH)
DI: 89/392/EC

Stainless Steel Series

4832 2/2 In-Line 3-Piece Ball Valve with Fixing Plate, Female BSPP Thread

Stainless steel 316L, PTFE

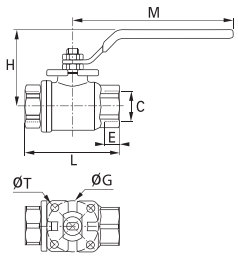


C	DN		E	F	G	H	K	L	M	ØT	kg
G1/4	10	4832 10 13	18	22	36	50	36	57	110.5	5.5	0.272
G3/8	10	4832 10 17	18	22	36	50	36	57	110.5	5.5	0.400
G1/2	15	4832 15 21	20.5	27	36	64	36	65	131.5	6	0.442
G3/4	20	4832 20 27	22.5	32	42	68	42	76	131.5	5.5	0.568
G1	25	4832 25 34	27	41	42	78.5	42	92	174.5	6	1.035
G1¼	32	4832 32 42*	30	50	42	83.5	42	106.5	174.5	5.5	1.530
G1½	40	4832 40 49*	31	55	50	100	50	116	250.5	6.5	2.146
G2	50	4832 50 48*	36	70	50	107	50	136	250.5	6.5	3.140

*Models with CE marking

4812 2/2 In-Line Ball Valve with Fixing Plate, Female BSPP Thread

Stainless steel 316L, PTFE

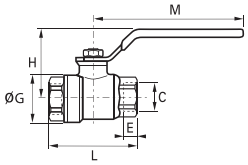


C	DN		E	G	H	L	M	ØT	kg
G1/4	10	4812 10 13	10	36	50	55	110	5.5	0.263
G3/8	10	4812 10 17	11	36	50	55	110	5.5	0.254
G1/2	15	4812 15 21	15	36	53	66	110	5.5	0.336
G3/4	20	4812 20 27	16	42	67	79	130	5.5	0.574
G1	25	4812 25 34	19	42	79	93	175	5.5	1.000
G1¼	32	4812 32 42*	21	42	83	100	175	5.5	1.337
G1½	40	4812 40 49*	21	50	100	110	250	5.5	2.214
G2	50	4812 50 48*	26	70	107	131	250	8.5	3.262

*Models with CE marking

4810 2/2 In-Line Ball Valve, Female BSPP Thread

Stainless steel 316L, PTFE

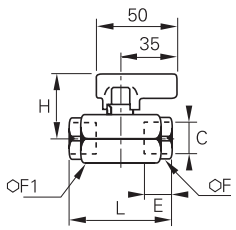


C	DN		E	G	H	L	M	kg
G1/4	8	4810 08 13	10	30	44.5	53.5	110.5	0.205
G3/8	10	4810 10 17	10	30	44.5	53.5	110.5	0.194
G1/2	15	4810 15 21	13	32.5	47	60	110.5	0.245
G3/4	20	4810 20 27	14	40	54.5	70	131.5	0.420
G1	25	4810 25 34	17	49	58.5	79	131.5	0.648

Threads conform to ISO 228-1

0465 2/2 In-Line Light Series Ball Valve, Female BSPP Thread

Stainless steel 303, PTFE



C	DN		E	F	F1	H	L	kg
G1/4	4	0465 04 13	13	19	24	36	50	0.226
G3/8	7	0465 07 17	13	24	27	39	55	0.278
G1/2	10	0465 10 21	16	27	30	40	62	0.322

Silicone-free

Ball Valves, High Pressure Series

These valves are suitable for **applications** with pressures **up to 300 bar**.
High performance materials and quality manufacturing allow for a wide range of operating pressures and temperatures.

Product Advantages

High Pressure & Safety

- Good sealing at low and high pressure
- Robust design with secure, non-removable inlet and outlet ports
- Forged brass providing excellent long-term strength under severe conditions of use
- 100% leak-tested in production
- Date coding to guarantee quality and traceability

Easy-to-Use

- Fixing screws for through-bulkhead mounting
- The lever may be repositioned or replaced with a handwheel
- Low operating torque

Applications

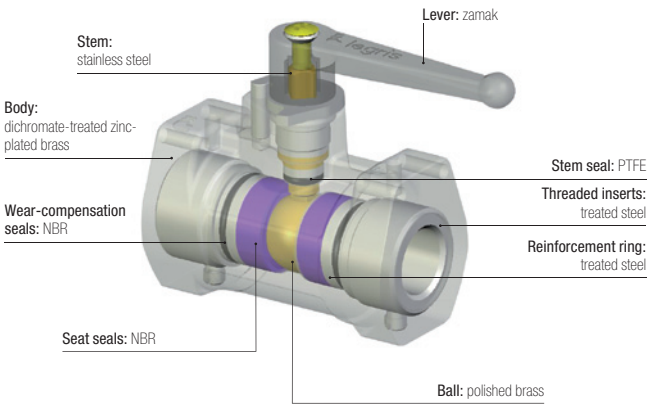
Automotive Process
Foundry
Forming
Machine Tools
Textile
Spectacle-Making Industry
Turbines
Deep-Sea Diving

Technical Characteristics

Compatible Fluids	Compressed air
Working Pressure	Vacuum to 300 bar
Working Temperature	-15°C to +80°C

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.
Guaranteed for use with a vacuum of 755 mm Hg (99% vacuum).

Component Materials



Silicone-free

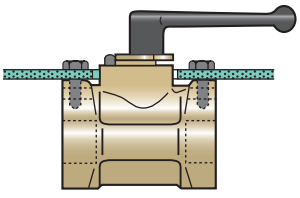
Regulations

DI: 97/23/EC (module PED A - diameters greater than 25 mm)
DI: 2006/42/EC (Machinery Directive)
DI: 2002/95/EC (RoHS)
RG: 1907/2006 (REACH)

Installation Options

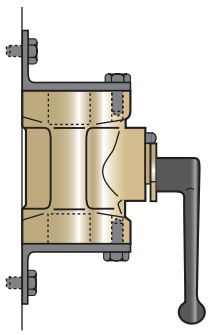
Bulkhead Mounting

Through bulkhead with screws



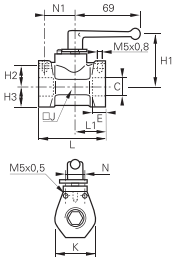
Surface Mounting

With brackets and screws



4402 2/2 In-Line High Pressure Ball Valve, Female BSPP Thread

Treated brass, NBR



C	DN		E	H1	H2	H3	J	K	L	L1	N	N1	kg
G1/4	7	4402 07 13	12	50	13	15	30	30	58	25	15	20	0.402
G3/8	10	4402 10 17	12	54	23	19	36	39	72	36	20	30	0.722
G1/2	13	4402 13 21	15	56	23	21	40	42	79	36	20	30	0.870

Ball Valves, Mini Series

With their **push-in connections**, these polymer lightweight ball valves allow for a significant reduction in installation time while offering **full flow capability** and **compact dimensions**.

Product Advantages

Optimum Solution

- Full flow
- Marked with the pneumatic symbol for identification of its function
- Lightweight and compact
- Extremely compact, easy-to-operate lever
- Lever with screwdriver slot to facilitate operation
- Designed for polymer tubing with no tube preparation
- Can be mounted on a wall or adjacent using staples

Proven Technology

- LF 3000® push-in connection, excellent static and dynamic sealing
- High-strength polyamide
- Excellent long-term performance
- Automatic seal wear compensation for long-term reliability
- 100% leak-tested in production
- Date coding to guarantee quality and traceability

Applications

Robotics
Vacuum
Semi-Conductors
Packaging
Textile
Pneumatics

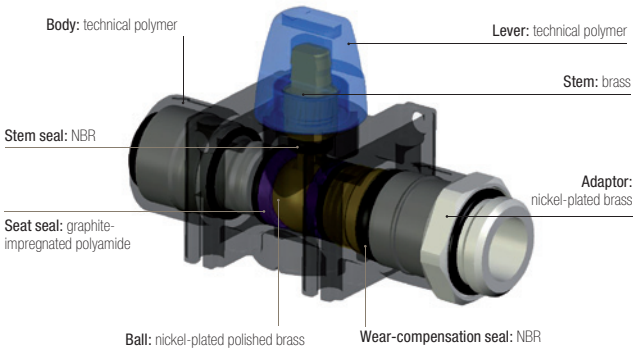
Technical Characteristics

Compatible Fluids	Compressed air
Working Pressure	Vacuum to 10 bar
Working Temperature	-20°C to +80°C

Tightening Torques	Threads	G1/8	G1/4	G3/8	G1/2
	daN.m	0.8	1.2	3	3.5

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.
Guaranteed for use with a vacuum of 755 mm Hg (99 % vacuum).

Component Materials

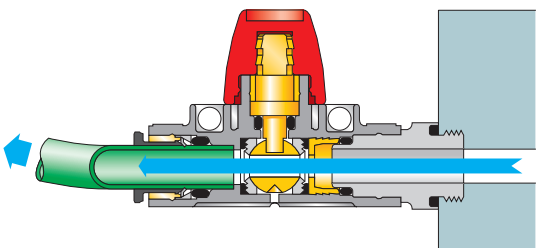


Silicone-free

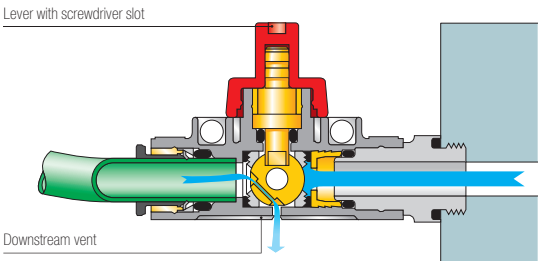
Operation

Vented Valve, Open Position

3/2 model with vent

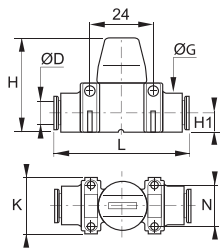


Vented Valve, Closed Position



7910 2/2 In-Line Mini-Ball Valve

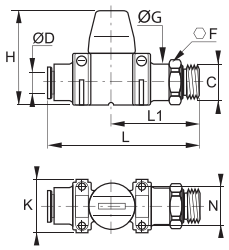
Technical polymer, NBR



ØD		G	H	H1	K	L	N	kg
4	7910 04 00	15	37	7.5	22	51	16	0.039
6	7910 06 00	15	37	7.5	22	52	16	0.034
8	7910 08 00	15	37	7.5	22	52	16	0.025
10	7910 10 00	20	43	11	30	66	22	0.060
12	7910 12 00	20	43	11	30	66	22	0.040

7911 2/2 In-Line Mini-Ball Valve, Male BSPP Thread

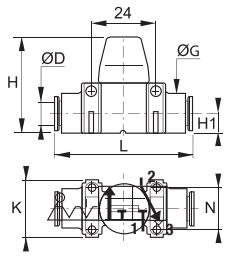
Technical polymer, nickel-plated brass, NBR



ØD	C		F	G	H	K	L	L1	N	kg
6	G1/8	7911 06 10	13	14	37	22	62	37	16	0.045
8	G1/4	7911 08 13	16	17.5	37	22	61	35	16	0.040
10	G3/8	7911 10 17	20	22	43	30	74	41	22	0.075
12	G1/2	7911 12 21	24	26	43	30	75	42	22	0.075

7913 3/2 In-Line Mini-Ball Valve with Vent

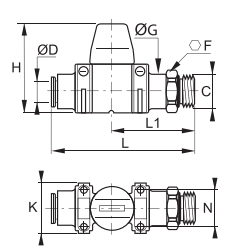
Technical polymer, NBR



ØD		G	H	H1	K	L	N	kg
4	7913 04 00	15	37	7.5	22	51	16	0.040
6	7913 06 00	15	37	7.5	22	52	16	0.035
8	7913 08 00	15	37	7.5	22	52	16	0.025
10	7913 10 00	20	43	11	30	66	22	0.060
12	7913 12 00	20	43	11	30	66	22	0.045

7914 3/2 In-Line Mini-Ball Valve with Vent, Male BSPP Thread

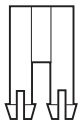
Technical polymer, nickel-plated brass, NBR



ØD	C		F	G	H	K	L	L1	N	kg
6	G1/8	7914 06 10	13	14	37	22	62	37	16	0.045
8	G1/4	7914 08 13	16	17.5	37	22	61	35	16	0.040
10	G3/8	7914 10 17	20	22	43	30	74	41	22	0.058
12	G1/2	7914 12 21	24	26	43	30	75	42	22	0.075

7000 Joining Clips

Technical polymer



ØD		kg
4	7000 00 05	0.004
6	7000 00 05	0.004
8	7000 00 05	0.004
10	7000 00 06	0.009
12	7000 00 06	0.009

LIQUIfit® Ball Valves

This range of valves offers an innovative solution in the treatment of **water and the handling of beverages** while protecting **health**. These **compact and reliable** valves offer perfect **sealing** and excellent **cleanliness**.

Product Advantages

Innovative Technology & Increased Reliability

- Full flow to limit turbulence
- Full-flow self-cleaning ball maintains the cleanliness of the circuit
- Tube retention with gripping ring prevents pumping effect
- Push-in connection and disconnection
- Sealing technology using patented EPDM seal

High Performance

- Inert technical polymer providing the best mechanical strength, thermal and chemical resistance
- Carstick® connection providing resistance to water hammer
- Other configurations available on request

Applications

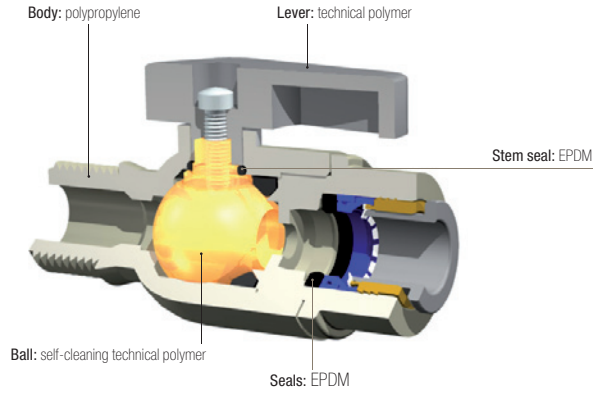
Beverage Dispensers
Inert Gases
Cooling
Food Process
Water Purification
Water Coolers

Technical Characteristics

Compatible Fluids	Water, drinks, beverages
Working Pressure	0 to 10 bar at 20°C
Working Temperature	-15°C to +100°C

Tightening Torques	Threads	1/4" NPTF	3/8" NPTF	1/2" NPTF
	daN.m	1.5	3	3

Component Materials



Silicone-free

Regulations

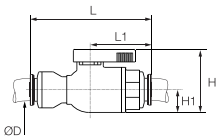
FDA: 21 CFR
NSF: 51 and lead < 0.25%
WQA: Water Quality Association

LIQUIfit® Ball Valves

4020 2/2 In-Line Ball Valve

Inch

Polypropylene, glass fibre-reinforced, EPDM

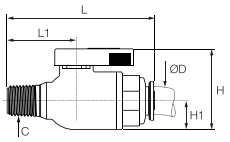


ØD		H	H1	L	L1	kg
1/4	4020 56 00WP2	25	13	65	31	0.015
3/8	4020 60 00WP2	36	13	68	30.5	0.028

4021 2/2 In-Line Ball Valve, Male NPTF Thread

Inch

Polypropylene, glass fibre-reinforced, EPDM

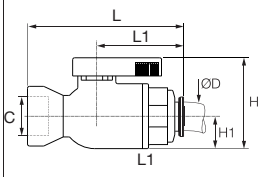


ØD	C		H	H1	L	L1	kg
1/4	NPT1/4	4021 56 14WP2	36	13	61	31	0.029
3/8	NPT3/8	4021 60 18WP2	36	13	64	33.5	0.028

4023 2/2 In-Line Ball Valve, Female NPTF Thread

Inch

Polypropylene, glass fibre-reinforced, EPDM

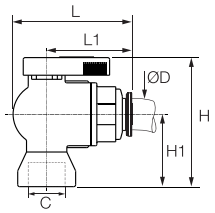


ØD	C		H	H1	L	L1	kg
1/4	NPT1/4	4023 56 14WP2	36	13	58	31	0.000
3/8	NPT3/8	4023 60 18WP2	36	13	64	33.5	0.000

4022 2/2 Right-Angled Ball Valve, Female NPTF Thread

Inch

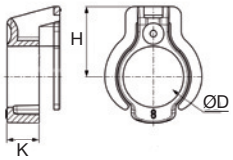
Polypropylene, glass fibre-reinforced, EPDM



ØD	C		H	H1	L	L1	kg
1/4	NPT1/4	4022 56 14WP2	52	29	44	31	0.016
3/8	NPT3/8	4022 60 18WP2	52	29	47	33.5	0.027

3130 Tamper-Proof Safety Clip

Technical polymer



ØD							H	K	kg
1/4	3130 56 01	3130 56 02	3130 56 03	3130 56 04	3130 56 05	3130 56 10	8	3.2	0.001
3/8	3130 60 01	3130 60 02	3130 60 03	3130 60 04	3130 60 05	3130 60 10	10.8	4.2	0.001

Needle and Butterfly Valves

Brass Needle Valve

In-Line

0502
Page 6-39

0501
Page 6-39

0510
Page 6-39

Right-Angled

0532
Page 6-39

0531
Page 6-39

Drain Valve

0562
BSPP/Metric
Page 6-40

0563
NPT
Page 6-40

Venting Pressure Gauge Valve

0627
BSPP
Page 6-40

Pressure Relief Valve

0630
BSPP
Page 6-40

Stainless Steel Needle Valve

In-Line

0591
Page 6-41

Butterfly Valve

In-Line

4602
Page 6-43

Needle Valves

Parker Legris compact needle valves can be installed in any system and are designed for applications requiring accurate **leak-free fluid control** and **excellent service life**.

Product Advantages

Robust and Easy-to-Use

- Accurate flow control
- Forged brass for improved long-term mechanical strength
- Robust stem for good operational reliability
- Corrosion resistance

Wide Range

- Two materials (nickel-plated brass and stainless steel) suitable for many applications
- Numerous valve and safety accessory configurations

Applications

Pneumatics
Water Circuits
Machine Tools
Rubber Industry
Packaging
Textile

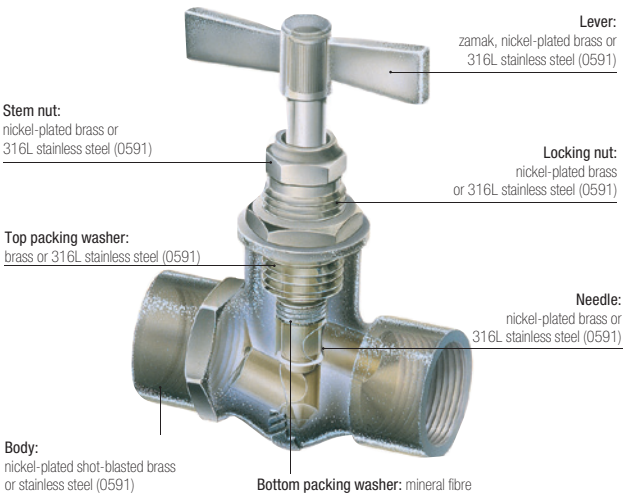
Technical Characteristics

	Brass	Stainless Steel
Compatible Fluids	Compressed air, water, industrial fluids, etc. Other fluids: contact us	Many fluids
Working Pressure	0 to 120 bar	0 to 400 bar
Working Temperature	-20°C to +100°C (except model 0510)	-20°C to +180°C

Tightening Torques	Threads	G1/8	G1/4	G3/8	G1/2
	daN.m	0.10 to 0.20	0.10 to 0.20	0.15 to 0.25	0.20 to 0.35

Reliable performance is dependent upon the type of fluid conveyed.

Component Materials



Silicone-free

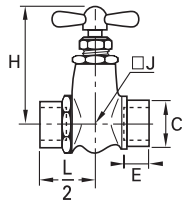
Regulations

DI: 97/23/EC (module PED A - diameters greater than 25 mm)
DI: 2006/42/EC (Machinery Directive)
DI: 2002/95/EC (RoHS)
RG: 1907/2006 (REACH)

Brass Needle Valves

0502 In-Line Needle Valve, Female BSPP Thread

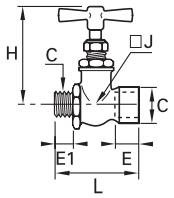
Nickel-plated brass



C	DN		E	H	H max	J	L/2	kg
G1/8	4	0502 04 10	9	56	50	17	23	0.133
G1/4	4	0502 04 13	11	56	50	17	23	0.118
G3/8	6	0502 06 17	12	67	60	-	26	0.171
	9	0502 09 17	12	82	70	-	33	0.426

0501 In-Line Needle Valve, Male/Female BSPP Thread

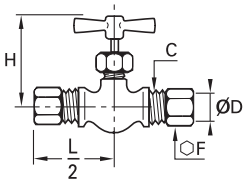
Nickel-plated brass



C	DN		E	E1	H	H max	J	L	kg
G1/8	4	0501 04 10	9	7	56	50	17	44	0.118
G1/4	4	0501 04 13	11	9.5	56	50	17	46	0.115
G3/8	6	0501 06 17	12	9.5	67	60	-	48	0.158

0510 In-Line Needle Valve with Compression Connections

Nickel-plated brass

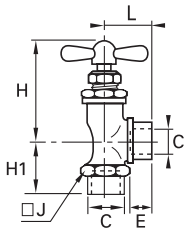


ØD	C	DN		F	H min	H max	L/2	kg
6	M10x1	4	0510 04 06	13	42	46	29	0.083
8	M12x1	8	0510 05 08	14	42	46	30	0.083
10	M16x1.5	5	0510 05 10	19	42	46	31	0.111

The needle is sealed by an O-ring.
Maximum operating pressure: Ø4: 100 bar, Ø5: 60 bar
Working temperature: -15°C to +70°C
Tightening torques: please refer to the Compression Fittings chapter of this catalogue.

0532 Right-Angle Needle Valve, Female BSPP Thread

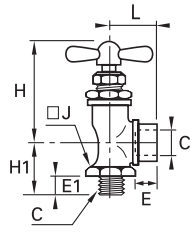
Nickel-plated brass



C	DN		E	H min	H max	H1	J	L	kg
G1/8	4	0532 04 10	9	46	52	19	17	19	0.093
G1/4	4	0532 04 13	11	46	52	21	17	21	0.087
	6	0532 06 13	11	55	63	26	22	26	0.169

0531 Right-Angle Needle Valve, Male/Female BSPP Thread

Nickel-plated brass

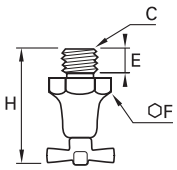


C	DN		E	E1	H min	H max	H1	J	L	kg
G1/8	4	0531 04 10	7	9	46	52	19	17	19	0.082
G1/4	4	0531 04 13	9.5	11	46	52	21	17	21	0.090
	6	0531 06 13	9.5	11	55	63	25	22	26	0.155
G3/8	6	0531 06 17	9.5	12	55	63	25	22	27	0.153
G1/2	10	0531 10 21	13	16	62	72	34	26	33	0.330

Brass Needle Valves

0562 Needle Drain Valve, Male BSPP and Metric Thread

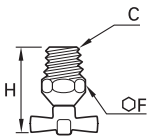
Brass



C	DN		E	F	H min	H max	kg
M10x1	5	0562 05 60	8	16	37.5	40	0.031
G1/8	5	0562 05 10	8	16	36	40	0.032
G1/4	5	0562 05 13	10	19	38.5	42.5	0.040

0563 Needle Drain Valve, Male NPT Thread

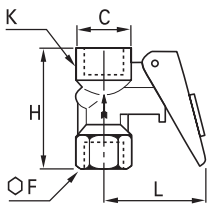
Brass



C	DN		F	H min	H max	kg
NPT1/4	5	0563 05 14	14	28.5	32.5	0.021

0627 Automatic Vent Pressure Gauge Valve, Female BSPP Thread

Nickel-plated brass, NBR

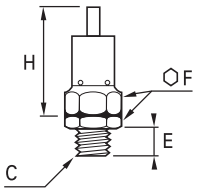


C		F	H	K	L	kg
G1/4	0627 00 13	19	43.5	20	40	0.097

Pressure: 10 bar
This isolating valve is used to connect a pressure gauge to a circuit.
Resetting the lever isolates and vents the gauge.
A locking pin can be used to enable the gauge to be fitted permanently.

0630 Pressure Relief Valve, Male BSPP Thread

Brass



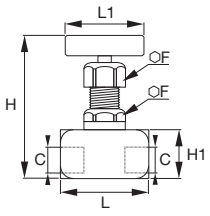
C		E	F	H	kg
G1/4	0630 06 13	9	17	42.5	0.050

This valve is delivered without calibration, but can be adjusted by inserting metal washers into the hexagon (F).

Stainless Steel Needle Valves

0591 Needle Valve, Female BSPP Thread

Stainless steel 316L, PTFE



C	DN		F	H min	H max	H1	L	L1	kg
G1/8	3	0591 03 10	22	90	99	25	45	48	0.345
G1/4	4	0591 04 13	22	90	99	25	50	48	0.356
G3/8	5	0591 05 17	22	90	104	30	56	48	0.430
G1/2	6	0591 06 21	22	90	104	30	62	48	0.483

Butterfly Valves

In these robust valves, the internal component used to shut off the flow is a segment of a sphere. This allows **frequent operation with very low torque**, **no fluid retention areas** and therefore excellent mechanical performance.

Product Advantages

Compact & Abrasion-Resistant

- Excellent with abrasive fluids (including solid particles)
- Fluid flow direction marked for greater safety (uni-directional)
- Smooth operation
- Can be easily adapted for use with auxiliary actuators
- More compact than a ball valve with equivalent nominal diameter
- Simple and efficient design for a long service life

Applications

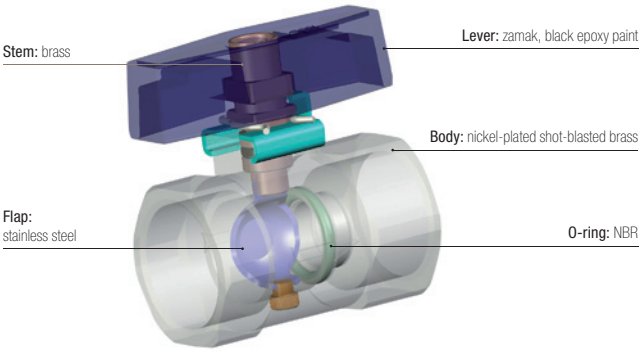
Painting & Printing
Machine Tools
Pneumatics
Powder Conveyance
Plumbing
Rubber Industry
Petrochemical

Technical Characteristics

Compatible Fluids	Compressed air, industrial gases, water, cutting oils, hydraulic oils, fuel oil, fuel, etc.
Working Pressure	0 to 16 bar
Working Temperature	-20°C to +80°C

Reliable performance is dependent upon the type of fluid conveyed.

Component Materials



Silicone-free

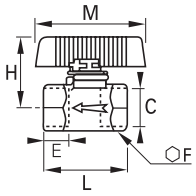
Regulations

DI: 97/23/EC (module PED A - diameters greater than 25 mm)
DI: 2006/42/EC (Machinery Directive)
DI: 2002/95/EC (RoHS)
RG: 1907/2006 (REACH)

Butterfly Valves

4602 2/2 Butterfly Shut-Off Valve, Female BSPP Thread

Nickel-plated brass, NBR



C	DN		E	F	H	L	M	kg
G1/4	6	4602 06 13	9	17	35	34	54	0.098
G3/8	7	4602 07 17	11	22	35	39	54	0.136
G1/2	10	4602 10 21	12	24	37	42	54	0.140
G3/4	13	4602 13 27	14	30	40	49	54	0.208
G1	18	4602 18 34	15	41	46	55	54	0.412

Black epoxy-coated zamak handle

Axial Valve Range

In-Line Normally Closed

4202..20
FKM Seal
2/2
Page 6-48

4202..30
EPDM Seal
2/2
Page 6-48

In-Line Normally Open

4212..20
FKM Seal
2/2
Page 6-48

4212..30
EPDM Seal
2/2
Page 6-48

In-Line Double-Acting

4222..20
FKM Seal
2/2
Page 6-48

4222..30
EPDM Seal
2/2
Page 6-49

Accessories

4298
Sub-Base
Page 6-49

4298
Solenoid Valve
Page 6-49

4299
Pneumatic Button
Page 6-49

Axial Valves

The Parker Legris axial valve is the only valve to incorporate both the **valve and actuation function**. With pneumatic or electro-pneumatic control, it avoids many of the restrictions associated with traditional actuators.

Product Advantages

Optimisation & Safety

- Very compact: up to 50% smaller than valves with separate actuators
- Simple to install: ready-to-use
- Common sub-base for solenoid control
- Automation of the open/close function
- Operation independent of the upstream and downstream pressure in the circuit

Comprehensive Offer

- Two seal materials for a wider chemical and temperature range
- Pneumatic, electro-pneumatic or dual actuation control
- Three versions: normally closed, normally open and double-acting

Performance

- Full flow: low pressure drop
- Excellent pressure/temperature performance
- Compatible with many industrial fluids

Applications

Flow Control
Plastic Injection Moulding
Rubber Industry
Pneumatics
Textile
Printing
Packaging
Robotics

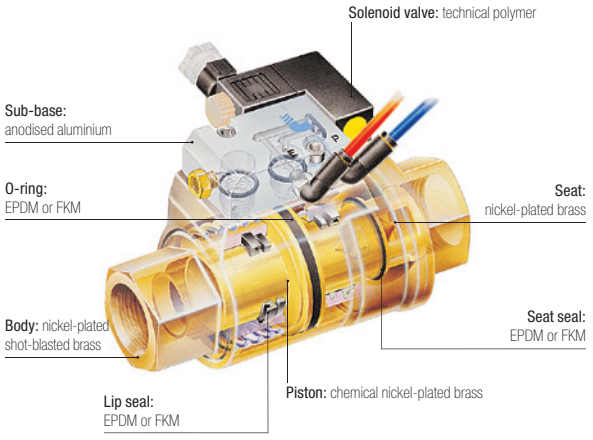
Technical Characteristics

Compatible Fluids	Depending on type of seal – FKM: water, air, oils, greases, etc. – EPDM: hot water, air, steam, etc.
Working Pressure	10 bar max.
Pilot Pressure	NC and NO: 4.2 to 8 bar Double-acting: 3 to 8 bar
Working Temperature	-20°C to +135°C (suffix 20 FKM) -20°C to +120°C (suffix 30 EPDM)

Tightening Torques	Threads	G3/8	G1/2	G3/4	G1	G1¼	G1½	G2
	daN.m	0.15 to 0.25	0.20 to 0.35	0.50 to 0.70	0.50 to 0.70	0.40 to 0.60	0.80 to 1.20	0.80 to 1.20

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.
Guaranteed for use with a vacuum of 740 mm Hg (97% vacuum).

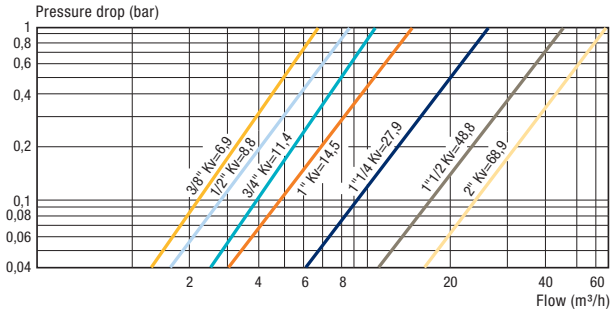
Component Materials



Silicone-free

Flow Curve and Pressure Drop (Kv)

Kv in m³/h (ambient water temperature, under a differential pressure of 1 bar)



Regulations

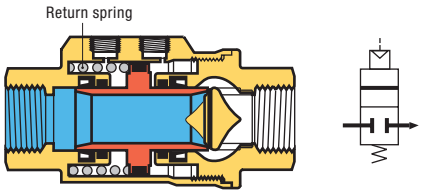
DI: 97/23/EC (module PED A - diameters greater than 25 mm)
DI: 2006/42/EC (Machinery Directive)
DI: 2002/95/EC (RoHS)
RG: 1907/2006 (REACH)
DI: 94/9/EC (ATEX) - for pneumatic operation versions

Axial Valves

Operation

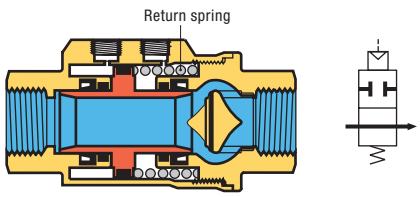
Depending on operational requirement, air is passed into the actuation chamber to open or close the valve.

Normally Closed Axial Valve (NC)



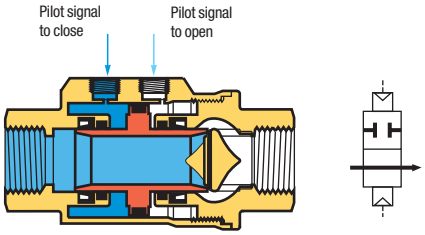
Rest State (valve closed)

Normally Open Axial Valve (NO)

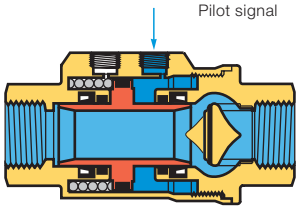


Rest State (valve open)

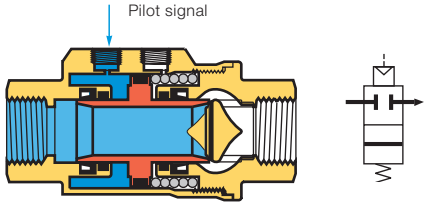
Double-Acting Axial Valve (DE)



Piloted State (valve closed)



Piloted State (valve open)



Piloted State (valve closed)

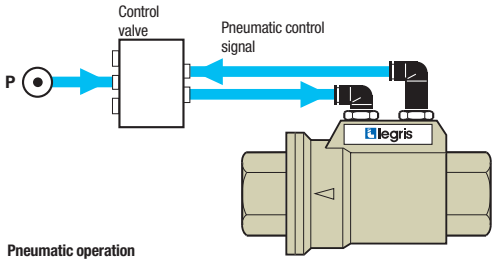
Installation Options

The **Parker Legris** axial valve offers 3 different control methods dependant on the requirements of the installation:

Pneumatic Control

Example: Double-acting axial valve 4222

- local compressed air control
- for repetitive on/off cycles
- remote control where access to the machine is difficult
- for explosive or explosion prevention areas

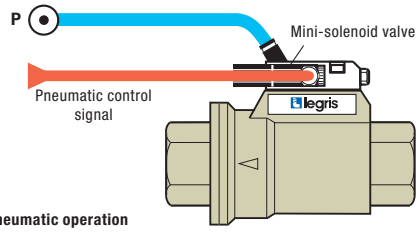


Pneumatic operation

Electro-Pneumatic Control

Example: Normally closed axial valve 4202
+ sub-base and Mini-solenoid valve 4298

- for automated industrial systems requiring remote control
- Namur seating plane solenoid valve

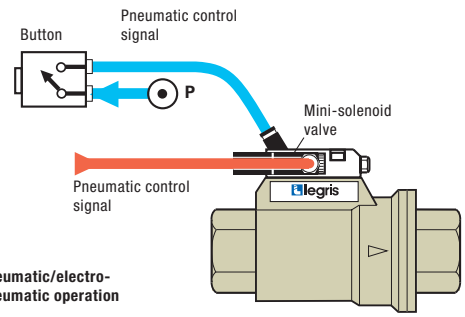


Electro-pneumatic operation

Dual Pneumatic and Electro-Pneumatic Control

Example: Normally open axial valve 4212
+ sub-base and Mini-solenoid valve 4298
+ Pneumatic push-button 4299

- dual control structure
- for increased safety: prevents localised operating errors
- Namur seating plane solenoid valve

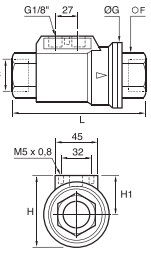


Pneumatic/electro-pneumatic operation

Axial Valves

4202..20 Normally Closed Axial Valve with FKM Seal, Female BSPP Thread

Nickel-plated brass, FKM

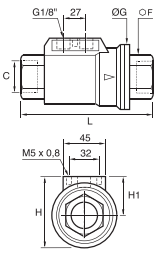


C		F	G	H	H1	L	kg
G3/8	4202 10 17 20	22	46	54	31	98	0.815
G1/2	4202 15 21 20	27	52	60	35	112	1.092
G3/4	4202 20 27 20	33	64	70	38	135	1.624
G1	4202 25 34 20	41	69	76	41.5	143	2.033
G1¼	4202 32 42 20*	50	86	91	48	165	3.266
G1½	4202 40 49 20*	60	96	102	54	180	4.195
G2	4202 50 48 20*	75	109	115	60.5	207	6.465

Pilot port: G1/8 - Delivered with a silencer
*Models with CE marking

4202..30 Normally Closed Axial Valve with EPDM Seal, Female BSPP Thread

Nickel-plated brass, EPDM

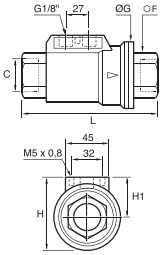


C		F	G	H	H1	L	kg
G3/8	4202 10 17 30	22	46	54	31	98	0.828
G1/2	4202 15 21 30	27	52	60	35	112	1.098
G3/4	4202 20 27 30	33	64	70	38	135	1.624
G1	4202 25 34 30	41	69	76	41.5	143	1.998
G1¼	4202 32 42 30*	50	86	91	48	165	3.315
G1½	4202 40 49 30*	60	96	102	54	180	4.195
G2	4202 50 48 30*	75	109	115	60.5	207	6.360

Pilot port: G1/8 - Delivered with a silencer
*Models with CE marking

4212..20 Normally Open Axial Valve with FKM Seal, Female BSPP Thread

Nickel-plated brass, FKM

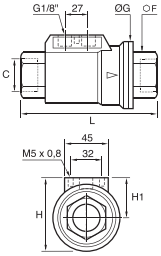


C		F	G	H	H1	L	kg
G3/8	4212 10 17 20	22	46	54	31	98	0.829
G1/2	4212 15 21 20	27	52	60	35	112	1.100
G3/4	4212 20 27 20	33	64	70	38	135	1.637
G1	4212 25 34 20	41	69	76	41.5	143	2.037
G1¼	4212 32 42 20*	50	86	91	48	165	0.030
G1½	4212 40 49 20*	60	96	102	54	180	4.188
G2	4212 50 48 20*	75	109	115	60.5	207	6.555

Pilot port: G1/8 - Delivered with a silencer
*Models with CE marking

4212..30 Normally Open Axial Valve with EPDM seal, Female BSPP Thread

Nickel-plated brass, EPDM

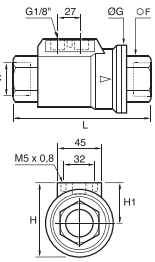


C		F	G	H	H1	L	kg
G3/8	4212 10 17 30	22	46	54	31	98	0.827
G1/2	4212 15 21 30	27	52	60	35	112	1.152
G3/4	4212 20 27 30	33	64	70	38	135	1.575
G1	4212 25 34 30	41	69	76	41.5	143	2.055
G1¼	4212 32 42 30*	50	86	91	48	165	3.301
G1½	4212 40 49 30*	60	96	102	54	180	4.775
G2	4212 50 48 30*	75	109	115	60.5	207	6.360

Pilot port: G1/8 - Delivered with a silencer
*Models with CE marking

4222..20 Double-Acting Axial Valve with FKM Seal, Female BSPP Thread

Nickel-plated brass, FKM



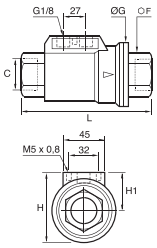
C		F	G	H	H1	L	kg
G3/8	4222 10 17 20	22	46	54	31	98	0.802
G1/2	4222 15 21 20	27	52	60	35	112	1.063
G3/4	4222 20 27 20	33	64	70	38	135	1.572
G1	4222 25 34 20	41	69	76	41.5	143	1.942
G1¼	4222 32 42 20*	50	86	91	48	165	3.058
G1½	4222 40 49 20*	60	96	102	54	180	3.995
G2	4222 50 48 20*	75	109	115	60.5	207	6.275

Pilot port: G1/8
*Models with CE marking

Axial Valves

4222..30 Double Acting Axial Valve with EPDM seal, Female BSPP Thread

Nickel-plated brass, EPDM

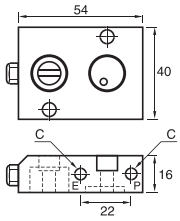


C		F	G	H	H1	L	kg
G3/8	4222 10 17 30	22	46	54	31	98	0.832
G1/2	4222 15 21 30	27	52	60	35	112	1.046
G3/4	4222 20 27 30	33	64	70	38	135	1.662
G1	4222 25 34 30	41	69	76	41.5	143	1.938
G1¼	4222 32 42 30*	50	86	91	48	165	3.301
G1½	4222 40 49 30*	60	96	102	54	180	4.260
G2	4222 50 48 30*	75	109	115	60.5	207	6.520

Pilot port: G1/8
Delivered with a silencer
*Models with CE marking

4298 Sub-Base for Solenoid Pilot Valve

Treated aluminium, NBR

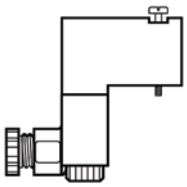


C		kg
M5x0.8	4298 00 01	0.095

The sub-base is fitted directly to the axial valve and allows the mounting of a 15x15 solenoid valve.
Supplied with 2 fixing bolts, silencer and seals.

4298 Mini-Solenoid Valve 1W/12VA

Anodised aluminium

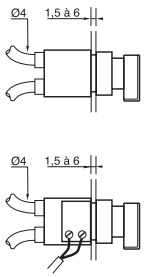


Voltage		kg
24V ⎓ CC*	4298 01 01	0.052
24V ∿ CA**	4298 01 02	0.058
110V ∿ CA**	4298 02 01	0.051
220V ∿ CA**	4298 02 02	0.054

*Direct current
**Alternating current

4299 Pneumatic Button/Electro-Pneumatic

Nickel-plated brass



Contact		kg
Standard*	4299 01 01	0.085
With key*	4299 01 02	0.110
Standard**	4299 02 01	0.102
With key**	4299 02 02	0.124

Bulkhead fixing hole diameter: Ø22 mm
*1 pneumatic contact
**1 electro-pneumatic contact
Available upon request only