The seal wear compensating technology offers reliable and durable sealing, whether under pressure or vacuum.

Technical Characteristics

- **Compatible Fluids:** Compressed air
  Other fluids: see compatibility chart at the end of this chapter
- **Working Pressure:** Vacuum up to 40 bar, depending on the model
- **Working Temperature:** -20°C to + 80°C
  up to -40°C with no handle operation

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.

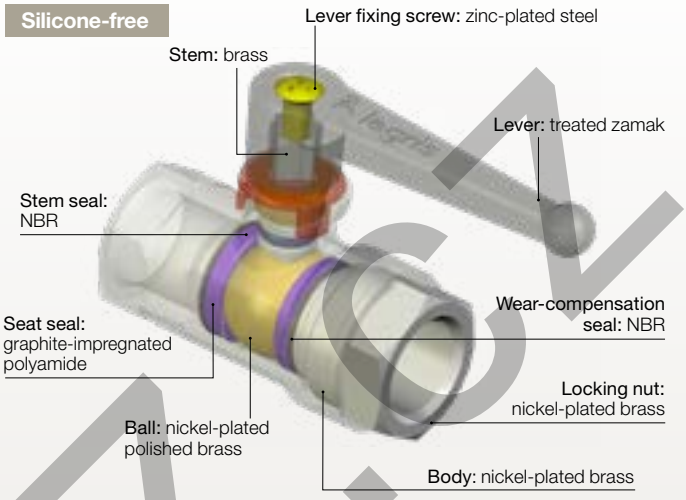
Guaranteed for use with a vacuum of 755 mm Hg (99 % vacuum).

Advantages

- Automatic seal wear compensation
- Vacuum resistance
- Ease of operation
- Short, repositionable and exchangeable handles

Component Materials

Silicone-free



Regulations

- **PED**
- **RoHS**
- **REACH**

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, open or closed position
- at three points: models 0436, 0437 and 0438, closed position only

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

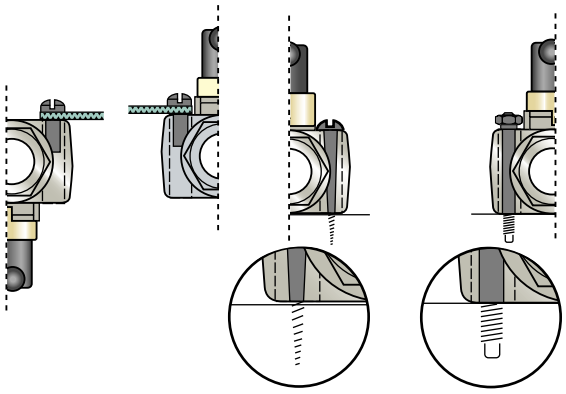
Fluid flow direction is indicated by an arrow on the valve body.

Mountable Valves

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

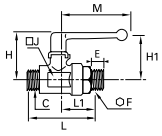
On frame:
- assemble with bolts

On wooden panel:
- assemble with woodscrews



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

Nickel-plated brass, NBR

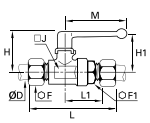


DN	C		E	F	H	H1	J	L	L1	M	Kg
4	G1/8	**0400 04 10**	7	14	35	29	14	45	25	48	0.094
7	G1/4	**0400 07 13**	9	19	38	31	19	60	36	48	0.166
10	G3/8	**0400 10 17**	11	24	45	43	24	70	43	69	0.252
13	G1/2	**0400 13 21**	12	27	47	44	27	78	45	69	0.324
18	G3/4	**0400 18 27**	12	38	63	54	39	90	50	108	0.714

Maximum working pressure: 40 bar

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

Nickel-plated brass, NBR

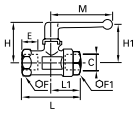


DN	ØD		F	F1	H	H1	J	L	L1	M	Kg
4	6	**0411 04 06**	14	19	38	31	19	76	30	48	0.173
6	8	**0411 06 08**	17	19	38	31	19	77	30	48	0.195
7	10	**0411 07 10**	19	19	38	31	19	78	31	48	0.210
10	12	**0411 10 12**	22	24	45	43	24	85	36	69	0.310

Maximum working pressure: 40 bar

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

Nickel-plated brass, NBR

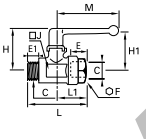


DN	C		E	F	F1	H	H1	L	L1	M	Kg
4	G1/8	0402 04 10	8		14	35	29	44	25	48	0.094
7	G1/8	0402 07 10	8	19	19	38	31	51	27	48	0.165
	G1/4	0402 07 13	12	19	19	38	31	53	28	48	0.156
10	G3/8	0402 10 17	12	24	24	45	43	59	31	69	0.244
13	G1/2	0402 13 21	15	27	27	47	44	67	34	69	0.292
20	G3/4	0402 20 27	16.5	32	38	63	54	80	39	108	0.655
23	G1	0402 23 34	19	41	46	67	57	94	47	108	1.036
32	G1 1/4	0402 32 42*	21.5	55	60	97	115	112	59	180	2.467
	G1 1/2	0402 32 49*	22	55	60	97	115	120	62	180	2.340
40	G1 1/2	0402 40 49*	22	55	55	104		111	55	190	2.445
	G2	0402 40 48*	26	70	70	104		122	61	190	2.614

*Models with EC marking
Maximum working pressure: 40 bar

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

Nickel-plated brass, NBR

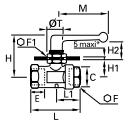


DN	C		E	E1	F	H	H1	J	L	L1	M	Kg
4	G1/8	0401 04 10	8	7	14	35	29	14	45	25	48	0.094
5	G1/8	0401 05 10	8	7	19	38	31	19	51	27	48	0.160
7	G1/4	0401 07 13	12	9	19	38	31	19	52	28	48	0.150
10	G3/8	0401 10 17	12	11	24	45	43	24	58	31	69	0.234
13	G1/2	0401 13 21	15	12	27	47	44	27	66	34	69	0.286
18	G3/4	0401 18 27	16.5	12	38	63	54	39	79	39	108	0.652
23	G1	0401 23 34	19	15	46	67	57	48	91	47	108	0.952
32	G1 1/4	0401 32 42*	21.5	18	60	97	115	55	113	59	108	2.385

*Models with EC marking
Maximum working pressure: 40 bar

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

Nickel-plated brass, NBR

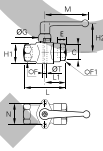


DN	C		E	F	F1	H	H1	H2	L	L1	M	T	Kg
4	G1/8	0446 04 10*	8	14	22	37	14	12	44	25	48	16.5	0.112
7	G1/4	0446 07 13	12	19	24	45	19	14	53	28	48	20.5	0.188
10	G3/8	0446 10 17	12	24	24	50	21	21	59	31	69	20.5	0.294
13	G1/2	0446 13 21	15	27	24	51	23	21	67	34	69	20.5	0.338

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

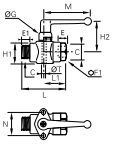


DN	C		E	F	F1	G	H1	H2	L	L1	M	N	T	Kg
4	G1/8	6402 04 10	8	14	14	18	18	30	44	25	48	25	470	0.132
7	G1/4	6402 07 13	12	19	19	19	24	31	53	28	48	31	580	0.216
10	G3/8	6402 10 17	12	24	24	20	30	45	59	31	69	31	580	0.324
13	G1/2	6402 13 21	15	27	27	20	34	47	67	34	69	34	6100	0.404
20	G3/4	6402 20 27	16.5	32	38	27	44	52	80	39	108	43	8125	0.830
23	G1	6402 23 34	19	41	46	27	53	56	94	47	108	51	8125	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

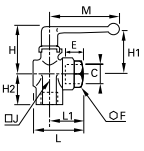


DN	C		E	E1	F	G	H1	H2	L	L1	M	N	T	Kg
4	G1/8	6401 04 10	8	7	14	18	18	30	45	25	48	25	470	0.127
7	G1/4	6401 07 13	12	9	19	19	24	31	52	28	48	31	580	0.212
10	G3/8	6401 10 17	12	11	24	20	30	45	58	31	69	31	580	0.306
13	G1/2	6401 13 21	15	12	27	20	34	47	67	34	69	34	6100	0.394

Maximum working pressure: 40 bar

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

Nickel-plated brass, NBR

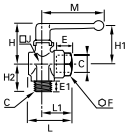


DN	C		E	F	H	H1	H2	J	L	L1	M	Kg
4	G1/8	0472 04 10	8	14	35	29	18	14	34	25	48	0.096
6	G1/4	0472 06 13	12	19	38	31	24	22	38	28	48	0.191
9	G3/8	0472 09 17	12	24	45	43	27	25	46	31	69	0.260
12	G1/2	0472 12 21	15	27	47	44	33	29	49	34	69	0.312
18	G3/4	0472 18 27	16.5	38	59	51	40	39	60	39	108	0.704
23	G1	0472 23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

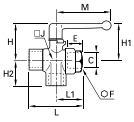


DN	C		E	E1	F	H	H1	H2	J	L	L1	M	Kg
4	G1/8	**0471 04 10**	8	7	14	35	29	19	14	34	25	48	0.096
6	G1/8	**0471 06 10**	8	7	19	38	31	22	22	37	27	48	0.182
	G1/4	**0471 06 13**	12	9	19	38	31	25	22	38	28	48	0.187
9	G3/8	**0471 09 17**	12	11	24	45	43	28	25	46	31	69	0.256
12	G1/2	**0471 12 21**	15	12	27	47	44	32	29	49	34	69	0.303
18	G3/4	**0471 18 27**	16.5	12	38	59	51	37	39	60	39	108	0.682
23	G1	**0471 23 34**	19	15	46	63	55	44	48	72	47	108	1.020

Maximum working pressure: 20 bar

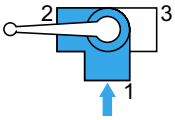
0482 3/3 Right-Angle Ported Ball Valve, Female BSPP Thread

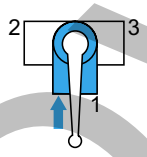
Nickel-plated brass, NBR

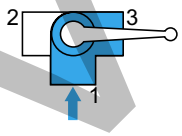


DN	C		E	F	H	H1	H2	J	L	L1	M	Kg
4	G1/8	**0482 04 10**	8	14	35	29	18	14	44	25	48	0.102
6	G1/4	**0482 06 13**	12	19	38	31	24	22	53	28	48	0.200
9	G3/8	**0482 09 17**	12	24	45	43	27	25	59	31	69	0.284
12	G1/2	**0482 12 21**	15	27	47	44	33	29	67	34	69	0.346
18	G3/4	**0482 18 27**	16.5	38	59	51	40	39	80	39	108	0.742
23	G1	**0482 23 34**	19	46	63	55	47	48	94	47	108	1.160

Maximum working pressure: 20 bar

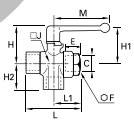






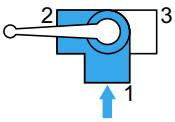
0483 3/3 Right-Angle Ported Ball Valve Without Closed Position, Female BSPP Thread

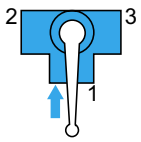
Nickel-plated brass, NBR

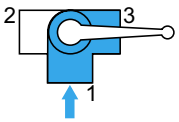


DN	C		E	F	H	H1	H2	J	L	L1	M	Kg
4	G1/8	**0483 04 10**	8	14	35	29	18	14	44	25	48	0.102
6	G1/4	**0483 06 13**	12	19	38	31	24	22	53	28	48	0.196
9	G3/8	**0483 09 17**	12	24	45	43	27	25	59	31	69	0.278
12	G1/2	**0483 12 21**	15	27	47	44	33	29	67	34	69	0.340
18	G3/4	**0483 18 27**	16.5	38	59	51	40	39	80	39	108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

Maximum working pressure: 20 bar

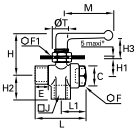






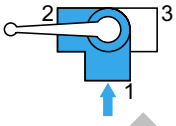
0448 3/3 Panel-Mountable Right-Angled Ball Valve, Female BSPP Thread

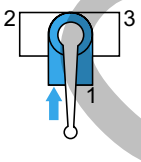
Nickel-plated brass, NBR

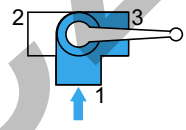


DN	C		E	F	F1	H	H1	H2	H3	J	L	L1	M	T	Kg
4	G1/8	**0448 04 10***	8	14	22	37	14	18	12	14	44	25	48	16.5	0.126
6	G1/4	**0448 06 13**	12	19	24	45	19	24	14	22	53	28	48	20.5	0.230
9	G3/8	**0448 09 17**	12	24	27	50	21	27	21	25	59	31	69	20.5	0.328
12	G1/2	**0448 12 21**	15	24	27	51	23	33	21	29	67	34	69	20.5	0.392

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

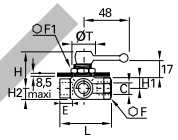


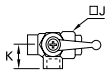




0452 3/2 Panel-Mountable Equal Plane Ball Valve, Female BSPP Thread

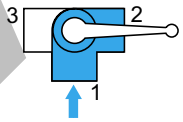
Nickel-plated brass, NBR

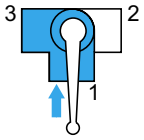




DN	C		E	F	F1	H	H1	H2	J	K	L	T	Kg
4	G1/8	**0452 04 10**	8	14	22	39	10	8	16	18	25	19	0.130
6	G1/4	**0452 06 13**	12	19	22	40	11	11	23	24	28	20	0.206

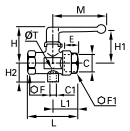
Maximum working pressure: 20 bar





0489 3/2 In-Line Threaded Exhaust Port Ball Valve, Female BSPP and Metric Thread

Nickel-plated brass, NBR

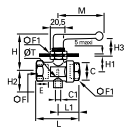


DN	C1	C		E	F	F1	H	H1	H2	L	L1	M	T	Kg
7	M5x0.8	G1/4	**0489 07 13**	12	24	24	46	43	17	59	31	69	2	0.270
10	M5x0.8	G3/8	**0489 10 17**	12	24	24	46	43	17	59	31	69	2	0.243
13	G1/8	G1/2	**0489 13 21**	15	27	27	47	44	24	67	34	69	2	0.310
18	G1/4	G3/4	**0489 18 27**	16.5	32	38	63	54	33	80	39	108	2.5	0.670
23	G1/4	G1	**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 Threaded Exhaust Port Ball Valve, Female BSPP and Metric Thread

Nickel-plated brass, NBR

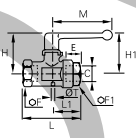


DN	C1	C		E	F	F1	H	H1	H2	H3	L	L1	M	T	Kg
7	M5x0.8	G1/4	**0449 07 13**	12	24	24	50	20	17	21	59	31	69	2.5	0.313
10	M5x0.8	G3/8	**0449 10 17**	12	24	24	50	20	17	21	59	31	69	2.5	0.291
13	G1/8	G1/2	**0449 13 21**	15	27	24	52	23	24	21	67	34	69	4	0.352

Maximum working pressure: 20 bar

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

Nickel-plated brass, NBR

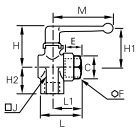


DN	C		E	F	F1	H	H1	L	L1	M	T	Kg
4	G1/8	**0469 04 10**	8	14	14	35	29	44	25	48	1.5	0.092
7	G1/4	**0469 07 13**	12	24	24	46	43	59	31	70	2	0.268
10	G3/8	**0469 10 17**	12	24	24	46	43	59	31	70	2	0.246
13	G1/2	**0469 13 21**	15	27	27	47	44	67	34	70	2	0.294
18	G3/4	**0469 18 27**	16.5	32	38	63	54	80	39	108	2.5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

Maximum working pressure: 40 bar

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

Nickel-plated brass, NBR

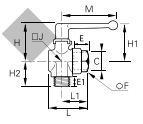


DN	C		E	F	H	H1	H2	J	L	L1	M	Kg
6	G1/8	**0462 06 10**	8	19	38	31	20	22	37	27	48	0.192
	G1/4	**0462 06 13**	12	19	38	31	24	22	38	28	48	0.185
9	G3/8	**0462 09 17**	12	24	45	43	27	25	46	31	69	0.261
12	G1/2	**0462 12 21**	15	27	47	44	33	29	49	34	69	0.311
18	G3/4	**0462 18 27**	16.5	38	59	51	40	39	60	39	108	0.698
23	G1	**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

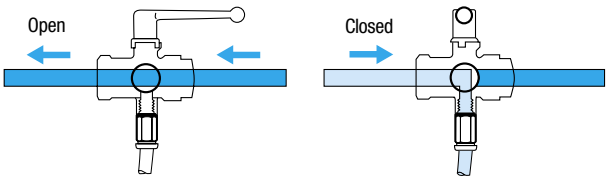


DN	C		E	E1	F	H	H1	H2	J	L	L1	M	Kg
6	G1/8	**0461 06 10**	8	7	19	38	31	20	22	37	27	48	0.182
	G1/4	**0461 06 13**	12	9	19	38	31	24	22	38	28	48	0.186
9	G3/8	**0461 09 17**	12	11	24	45	43	27	25	46	31	69	0.257
12	G1/2	**0461 12 21**	15	12	27	47	44	33	29	49	34	69	0.304
18	G3/4	**0461 18 27**	16.5	12	38	59	51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

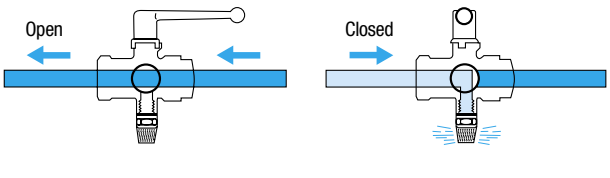
Maximum working pressure: 20 bar

Operation of Vented Ball Valves

With vent connected to a tube = collection of purged media

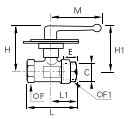


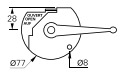
With vent connected to a silencer = noiseless discharge to atmosphere



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

Nickel-plated brass, NBR



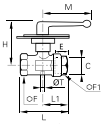


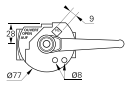
DN	C		E	F	F1	H	H1	L	L1	M	Kg
4	G1/8	**0432 04 10**	8	19	19	59	54	51	27	69	0.415
7	G1/4	**0432 07 13**	12	19	19	59	54	59	28	69	0.396
10	G3/8	**0432 10 17**	12	24	24	60	55	59	31	69	0.460
13	G1/2	**0432 13 21**	15	27	27	62	57	67	34	69	0.510
20	G3/4	**0432 20 27**	16.5	32	38	66	56	80	39	108	0.800
23	G1	**0432 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.

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

Nickel-plated brass, NBR



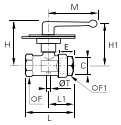


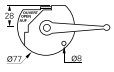
DN	C		E	F	F1	H	L	L1	M	T	Kg
7	G1/4	**0437 07 13**	12	24	24	60	59	32	69.5	2	0.476
10	G3/8	**0437 10 17**	12	24	24	60	60	32	69.5	2	0.447
13	G1/2	**0437 13 21**	15	27	27	60	67.5	34.5	69.5	2	0.510
18	G3/4	**0437 18 27**	16.5	32	38	69.5	80	39.5	108.5	2.5	0.820
23	G1	**0437 23 34**	19	41	46	73	94.5	47.5	108.5	3	1.192

Maximum working pressure: 40 bar
Handle is not removable
Locking plates are zinc-plated steel

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

Nickel-plated brass, NBR



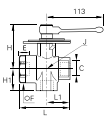


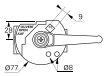
DN	C		E	F	F1	H	H1	L	L1	M	T	Kg
4	G1/8	**0439 04 10**	8	19	19	59	54	51	27	69	2	0.410
7	G1/4	**0439 07 13**	12	24	24	60	55	59	31	69	2	0.480
10	G3/8	**0439 10 17**	12	24	24	60	55	59	31	69	2	0.460
13	G1/2	**0439 13 21**	15	27	27	62	57	67	34	69	2	0.514
18	G3/4	**0439 18 27**	16.5	32	38	66	56	80	39	108	2.5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

Maximum working pressure: 40 bar
Handle is not removable, locking plates are zinc-plated steel.

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

Nickel-plated brass, NBR



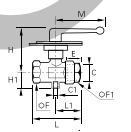


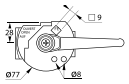
DN	C		E	F	H	H1	J	L	L1	Kg
9	G3/8	**0438 09 17**	12	38	76	34	39	73	35	0.970
12	G1/2	**0438 12 21**	15	38	76	37	39	78	38	0.947
18	G3/4	**0438 18 27**	16.5	38	76	40	39	80	40	0.905
23	G1	**0438 23 34**	19	46	80	47	48	94	47	1.295

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

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

Nickel-plated brass, NBR





DN	C1	C		E	F	F1	H	H1	L	L1	M	Kg
10	M5x0.8	G3/8	**0436 10 17**	12	24	24	60	17	60	32	69	0.475
13	G1/8	G1/2	**0436 13 21**	15	27	27	60	24.5	67.5	34.5	69	0.500
18	G1/4	G3/4	**0436 18 27**	16.5	32	38	69.5	33	80	39.5	108	0.850
23	G1/4	G1	**0436 23 34**	19	41	46	73.5	47.5	94.5	47.5	108.5	1.215

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

Suitable for small, compact and resistant spaces, these ball valves are easy to operate.

Technical Characteristics

- **Compatible Fluids:** Industrial fluids
- **Working Pressure:** Vacuum to 12 bar
- **Working Temperature:** -20°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).

Advantages

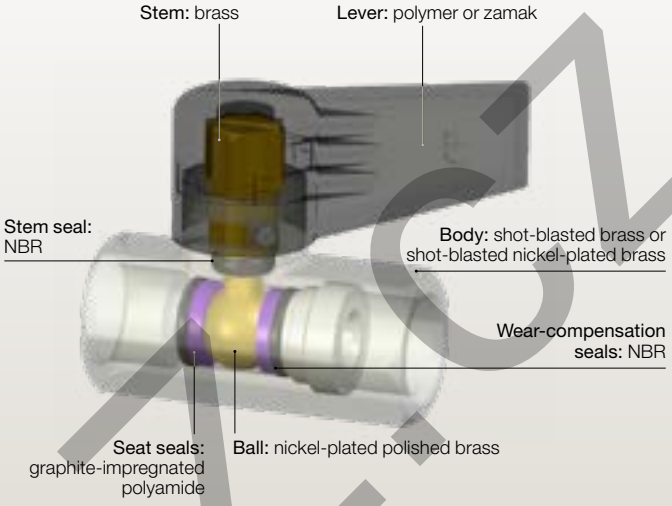
- Compactness
- Corrosion resistance due to chemical nickel plating
- Automatic compensation of seal wear
- Repositionable and exchangeable handles

Regulations

- **PED**
- **REACH**
- **RoHS**

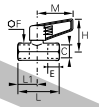
Component Materials

Silicone-free



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

Nickel-plated brass, NBR

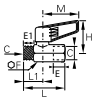


DN	C		E	F	H	L	L1	M	Kg
4	G1/4	**0492 04 13**	9	17	34	39.5	17	35	0.073
7	G3/8	**0492 07 17**	11	22	38	45	20	43	0.128
10	G1/2	**0492 10 21**	12	24	44	54	25	50	0.150
13	G3/4	**0492 13 27**	14	30	46	62	28	50	0.240

Technical polymer handle

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

Nickel-plated brass, NBR

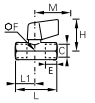


DN	C		E	E1	F	H	L	L1	M	Kg
4	G1/4	**0491 04 13**	9	7	17	34	39.5	17	35	0.070
7	G3/8	**0491 07 17**	11	8	22	38	45	20	43	0.124
10	G1/2	**0491 10 21**	12	10	24	44	53	24	50	0.160
13	G3/4	**0491 13 27**	14	12	30	46	59	25	50	0.238

Technical polymer handle

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

Nickel-plated brass, NBR

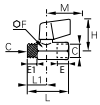


DN	C		E	F	H	L	L1	M	Kg
4	G1/4	**0492 04 13 64**	9	17	36	39.5	17	25	0.090

Short handle in zamac

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

Nickel-plated brass, NBR

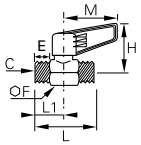


DN	C		E	E1	F	H	L	L1	M	Kg
4	G1/4	**0491 04 13 64**	9	7	17	36	39.5	17	25	0.092

Short handle in zamac

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

Nickel-plated brass, NBR

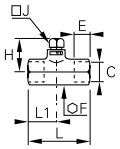


DN	C		E	F	H	L	L1	M	Kg
4	G1/4	**0490 04 13**	7	17	34	39	17	35	0.070
7	G3/8	**0490 07 17**	8	22	38	44	20	43	0.109
10	G1/2	**0490 10 21**	10	24	44	53	24	50	0.160
13	G3/4	**0490 13 27**	12	30	46	59	25	50	0.233

Technical polymer handle

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

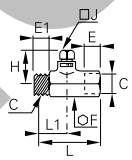
Brass, NBR



DN	C		E	F	H	J	L	L1	Kg
4	G1/4	**0497 04 13**	9	17	25	7	39	17	0.063
7	G3/8	**0497 07 17**	11	22	26	7	45	20	0.122
10	G1/2	**0497 10 21**	12	24	29	10	54	25	0.141
13	G3/4	**0497 13 27**	14	30	30	10	62	28	0.230

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

Brass, NBR



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

Butterfly Valves

The butterfly valve allows frequent operation with very low torque on circuits without retention zones.

Technical Characteristics

- **Compatible Fluids:** Compressed air, abrasive fluids
- **Working Pressure:** 0 to 16 bar
- **Working Temperature:** -20°C to +80°C

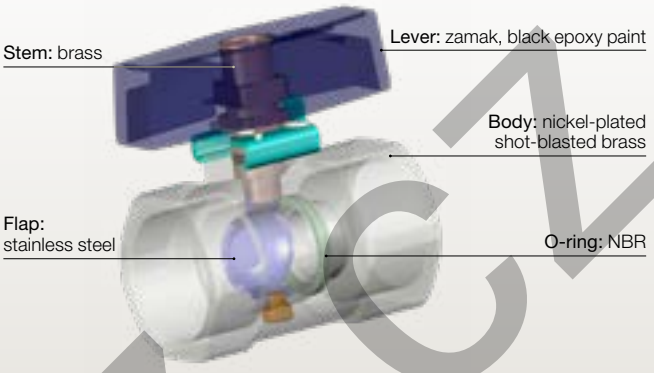
Reliable performance is dependent upon the type of fluid conveyed.

Advantages

- Compatible with abrasive fluids (including solid particles)
- Fluid flow direction marked (uni-directional)
- Small size
- Simple and efficient design

Component Materials

Silicone-free

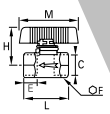


Regulations

- **PED**
- **REACH**
- **RoHS**

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

Nickel-plated brass, NBR



DN	C		E	F	H	L	M	Kg
6	G1/4	**4602 06 13**	9	17	35	34	54	0.102
7	G3/8	**4602 07 17**	11	22	35	39	54	0.136
10	G1/2	**4602 10 21**	12	24	37	42	54	0.140
13	G3/4	**4602 13 27**	14	30	40	49	54	0.208
18	G1	**4602 18 34**	15	41	46	55	54	0.412