



Ball Valves

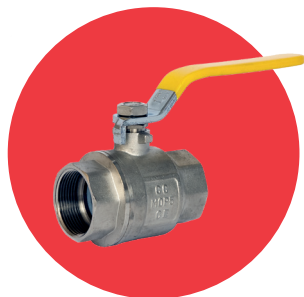
Issue 06



It's all at Albion

ART 40P

PN40 Brass Ball Valve



EN331



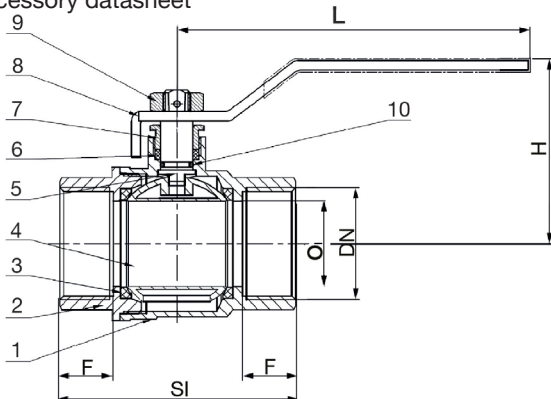
GAS APPROVED



Features

- Screwed BSP Parallel (ISO 228/1)
- Anti-blow-out stem
- PTFE seats & seals
- Full bore
- Locking lever, thermal extension (1/2"-2" only) and tee handle (1/4" to 1" only) options available
- For details on handles refer to the Ball Valve Accessory datasheet

Accessory datasheet



Technical data

Max pressure: 1/4" - 2" 40 Bar

2 1/2" - 4" 25 Bar

Working temp: -20°C to +140°C

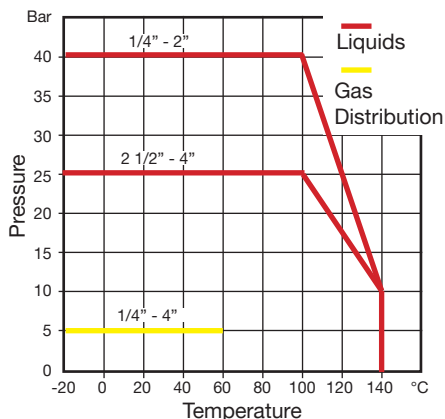
Technical data - Gas distribution

Max pressure: 1/4" - 4" 5 Bar

Working temp: -20°C to +60°C

DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
O	10	10	14.5	19	24.5	31.5	39.5	49.5	62	73	90
F	11.5	11.5	15	18	19.5	20	21	26.5	31	36.8	41.5
SI	45	45	57	67	77	88	99	121	146	168	199
H	41	41	52	49	62	81	90	96	122	132	143
L	83	83	88	100	125	140	140	165	225	225	280
Kv	8	10	16	30	48	100	170	230	230	576	940
Kgs	0.14	0.14	0.20	0.26	0.41	0.61	0.95	1.35	3.02	3.99	6.51

N.	Part Name	Materials
1	Body	Brass / Nickel Plated CW617N
2	Cap	Brass / Nickel Plated CW617N
3	Seat	PTFE
4	Ball	Brass / Chrome Plated CW617N
5	Stem	Brass CW617N
6	Packing	PTFE
7	Lock Nut	Brass CW617N
8	Handle	Carbon Steel A3
9	Nut	Carbon Steel A3
10	O-Ring	NBR



V1. Dimensions in mm

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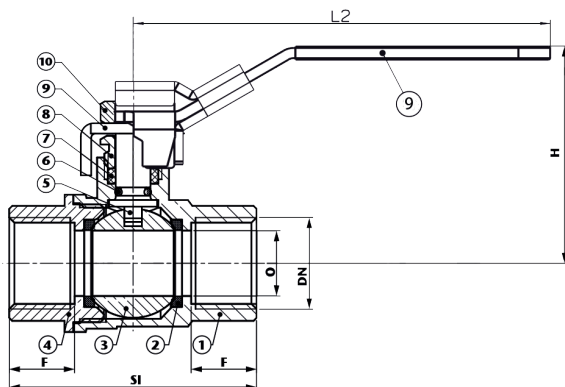
ART 40P 257C

PN40 Brass Ball Valve Complete with Locking Lever



Features

- Screwed BSP Parallel (ISO 228/1)
- Anti-blow-out stem
- PTFE seats & seals
- Full bore



Technical data

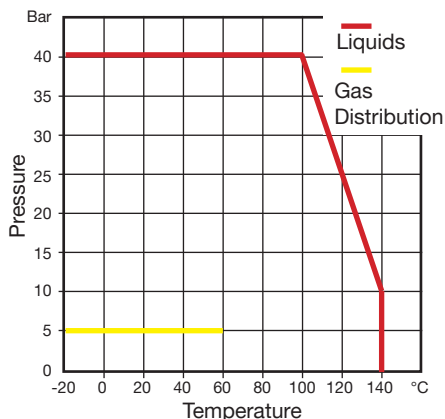
Max pressure: 40 Bar
Working temp: -20°C to +140°C

Technical data - Gas distribution

Max pressure: 5 Bar
Working temp: -20°C to +60°C

DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
O	14.5	19	24.5	31.5	39.5	49.5
F	15	18	19.5	20	21	26.5
SI	57	67	77	88	99	121
H	52	49	62	81	90	96
L2	100	100	125	150	150	165
Kv	16	30	48	100	170	230
Kgs	0.29	0.35	0.50	0.70	1.04	1.44

N.	Part Name	Materials
1	Body	Brass / Nickel Plated CW617N
2	Seat	PTFE
3	Ball	Brass / Chrome Plated
4	Cap	Brass / Nickel Plated CW617N
5	Stem	Brass
6	O-Ring	NBR
7	Stem Packing	PTFE
8	Lock Nut	Brass
9	Lockable Lever	Steel / PVC Plastic Coated
10	Nut	Steel



V1. Dimensions in mm

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ART 40P 97C

PN40 Brass Ball Valve complete with Thermal Extension



EN331

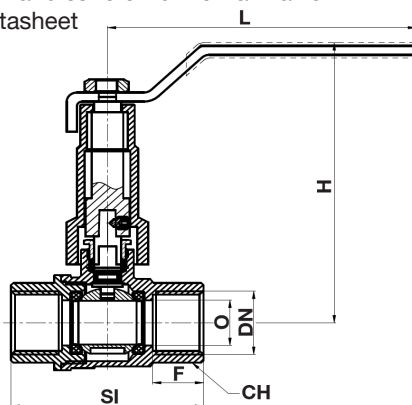


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Features

- Screwed BSP Parallel (ISO 228/1)
- Anti-blow-out stem
- Full bore
- Standard lever, locking lever and tee handles (1/4" to 1" only) options also available
- For details on handles refer to the Ball Valve Accessory datasheet



Technical data

Max pressure: 1/2" - 2" 40 Bar

Working temp: -20°C to +140°C

Technical data - Gas distribution

Max pressure: 1/2" - 2" 5 Bar

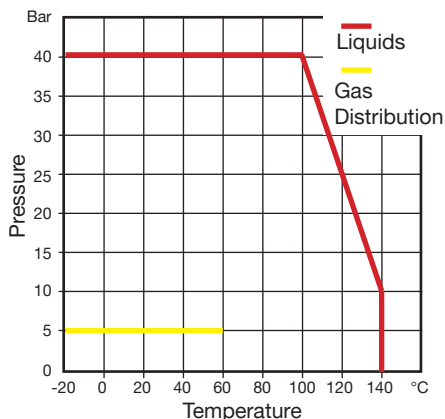
Working temp: -20°C to +60°C

DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
O	14.5	19.0	24.5	31.5	39.5	49.5
F	15.0	18.0	19.5	20.0	21.0	26.5
SI	57	67	77	88	99	121
H	93	96	112	140	146	157
L	88	100	125	140	140	165
CH	24.9	31.7	37.5	46.4	52.5	65.1
Kv	16	30	48	100	170	230
Kgs	0.30	0.36	0.56	0.86	1.20	1.70

Part Name

Materials

Body	Brass / Nickel Plated CW617N
Bonnet	Brass / Nickel Plated CW617N
Seat	PTFE
Ball	Brass / Chrome Plated CW617N
Stem	Brass CW617N
Handle	Carbon Steel A3
Nut	Carbon Steel A3
Packing	PTFE
O-Ring	NBR
Lock Nut	Brass CW617N
Extended Sleeve	Brass
Extended Spindle	Brass
Screw	Stainless Steel



V1. Dimensions in mm

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ART 40P Tee Handle

PN40 Brass Ball Valve

Complete with Tee Handle



Features

- Screwed BSP Parallel (ISO 228/1)
- Anti-blow-out stem
- Full bore
- Tee Handle available in red, yellow, and blue
- Standard lever, locking lever and thermal extensions (1/2" to 2" only) options also available

EN331



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Technical data

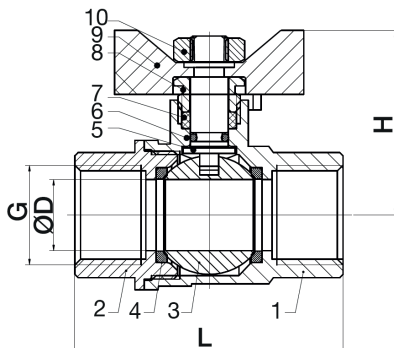
Max pressure: 1/2" - 2" 40 Bar

Working temp: -20°C to +140°C

Technical data - Gas distribution

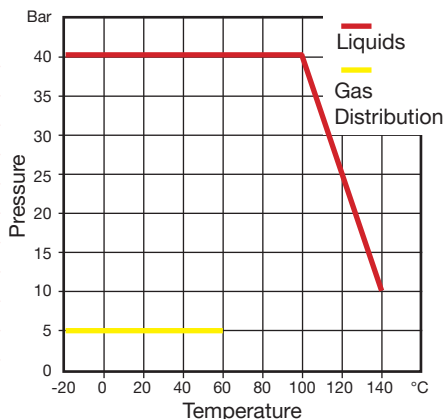
Max pressure: 1/2" - 2" 5 Bar

Working temp: -20°C to +60°C



DN	1/4"	3/8"	1/2"	3/4"	1"
G	1/4"	3/8"	1/2"	3/4"	1"
D	10.0	10.0	14.5	19.0	24.5
L	45.0	45.0	56.5	67.0	77.0
H	32	32	40	43	50
Kv	8	10	16	30	48
Kgs	0.14	0.14	0.20	0.26	0.41

N.	Part Name	Materials
1	Body	Brass / Nickel Plated CW617N
2	Bonnet	Brass / Nickel Plated CW617N
3	Ball	Brass / Chrome Plated CW617N
4	Ball Seat	PTFE
5	O-Ring	NBR
6	Packing	PTFE
7	Stem	Brass
8	Lock Nut	Brass
9	Handle	Aluminium Alloy
10	Nut	Carbon Steel A3

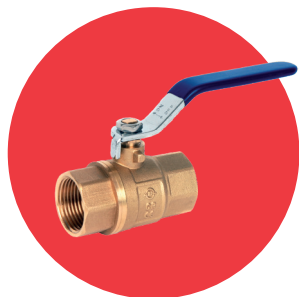


V2 Dimensions in mm

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ART 50

PN40 DZR Brass Ball Valve



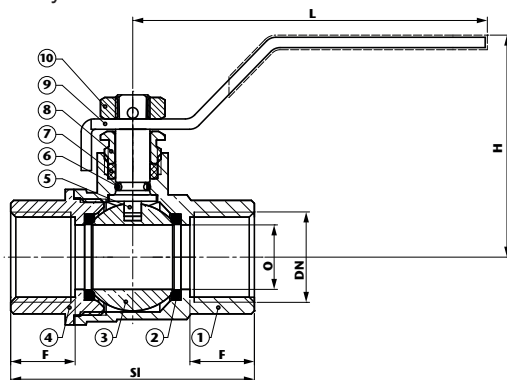
Technical data

Max pressure: 40 Bar

Working temp: -20°C to 130°C

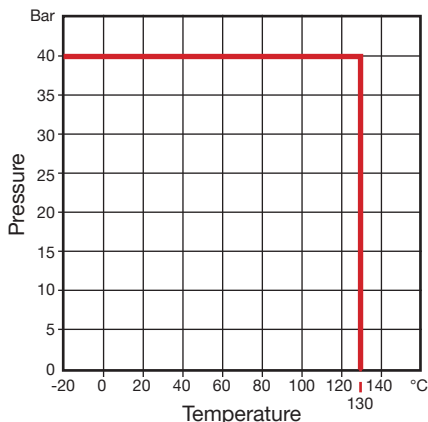
Features

- Screwed BSP Taper ends (ISO 7/1) or NPT (ANSI B1.20.1)
- Anti-blow-out stem
- Full bore
- Locking lever, thermal extension (1/2" - 2" only) and tee handle (1/4" - 1" only) options available
- For details on handles refer to the Ball Valve Accessory datasheet



DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
O	10	10	14.5	19	24.5	31.5	40	49
F	11.5	11.5	15	18	19.5	20	21	26.5
SI	45	45	57	67	77	88	99	121
H	41	41	49	51	62	81	90	96
L	83	83	88	100	125	140	140	165
Kv	8	10	16	30	48	100	170	230
Kgs	0.15	0.14	0.21	0.30	0.45	0.72	1.03	1.53

N.	Part Name	Materials
1	Body	DZR Brass CW602N
2	Seat	PTFE
3	Ball	DZR Brass CW602N Chrome Plated
4	Cap	DZR Brass CW602N
5	Stem	DZR Brass CW602N
6	O-Ring	NBR
7	Stem Packing	PTFE
8	Lock Nut	Brass CW617N
9	Handle	Steel A3
10	Nut	Steel A3



V1. Dimensions in mm

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ART 50 97C

PN40 DZR Brass Ball Valve

complete with Thermal Extension



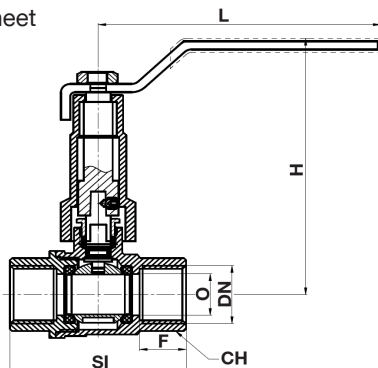
Features

- Screwed BSP Taper ends (ISO 7/1) or NPT (ANSI B1.20.1)
- Anti-blow-out stem
- Full bore
- Standard lever, locking lever and tee handles (1/4" to 1" only) options also available
- For details on handles refer to the Ball Valve Accessory datasheet

Technical data

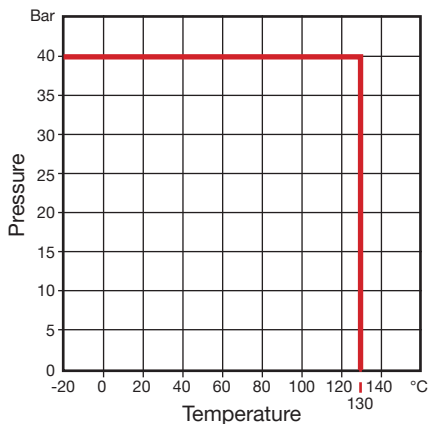
Max pressure: 40 Bar

Working temp: -20°C to 130°C



DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
O	14.5	19.0	24.5	31.5	39.5	49.5
F	15.0	18.0	19.5	20.0	21.0	26.5
SI	57	67	77	88	99	121
H	93	96	112	140	146	157
L	88	100	125	140	140	165
CH	24.9	31.7	37.5	46.4	52.5	60.1
Kv	16	30	48	100	170	230
Kgs	0.31	0.40	0.60	0.97	1.28	1.88

Part Name	Materials
Body	DZR Brass CW602N
Seat	PTFE
Ball	DZR Brass CW602N Chrome Plated
Cap	DZR Brass CW602N
Stem	DZR Brass CW602N
O-Ring	NBR
Stem Packing	PTFE
Lock Nut	Brass CW617N
Handle	Steel A3
Nut	Steel A3

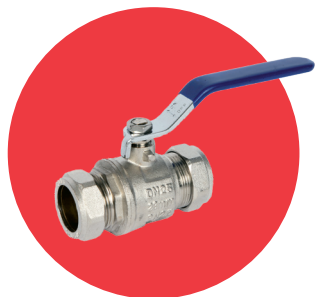


V1. Dimensions in mm

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ART 89

PN25 Brass Ball Valve



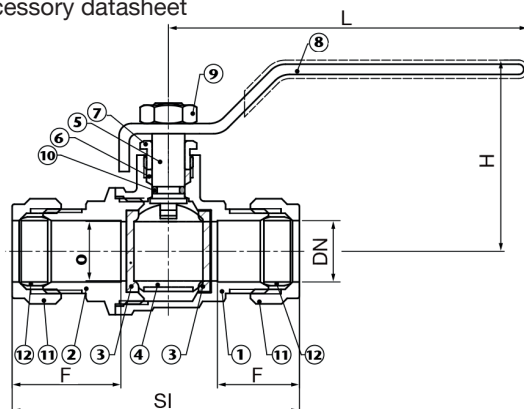
Features

- Compression Ends
- Anti-blow-out stem
- PTFE seats & seals
- Full bore
- Locking lever, tee handle and thermal extension options available
- For details on handles refer to the Ball Valve Accessory datasheet

EN331



GAS APPROVED



Technical data

Max pressure: 25 Bar

Working temp: -10°C to +110°C

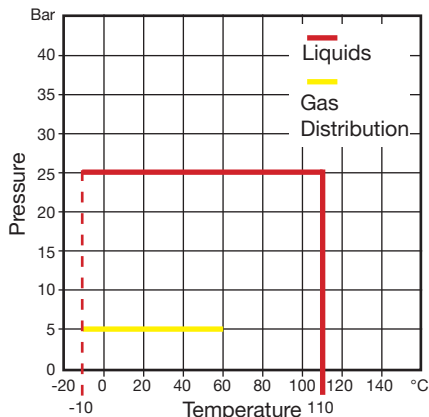
Technical data - Gas distribution

Max pressure: 5 Bar

Working temp: -10°C to +60°C

DN	15	22	28	35	42	54
O	14.5	19	24.5	31.5	39.5	59.5
F	18.8	20.3	22	24	28	32
SI	70.5	82	91.5	109	123	144
H	48	52	65	78	86	96
L	88	100	125	140	140	165
Kv	15.6	28	46	92	158	212
Kgs	0.21	0.40	0.60	0.90	1.20	2.33

N.	Part Name	Materials
1	Body	Brass / Nickel Plated CW617N
2	Cap	Brass / Nickel Plated CW617N
3	Seat	PTFE
4	Ball	Brass / Chrome Plated CW617N
5	Stem	Brass CW617N
6	Packing	PTFE
7	Lock Nut	Brass CW617N
8	Handle	Steel A3
9	Nut	Steel A3
10	O-Ring	NBR
11	Nut	Brass CW617N
12	Olive	Brass CW617N

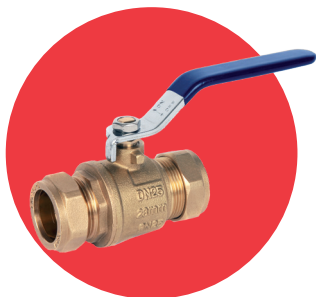


V1. Dimensions in mm

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ART 59

PN25 DZR Brass Ball Valve



Features

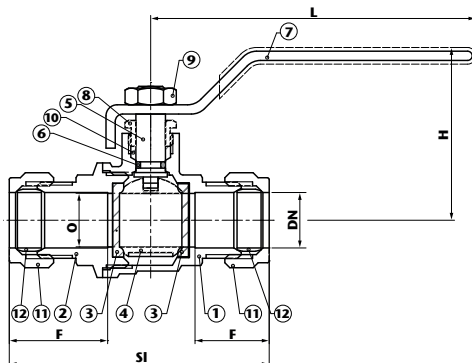
- Compression ends (BS EN 1254-2 (1998))
- Anti-blow-out stem
- Full bore



Technical data

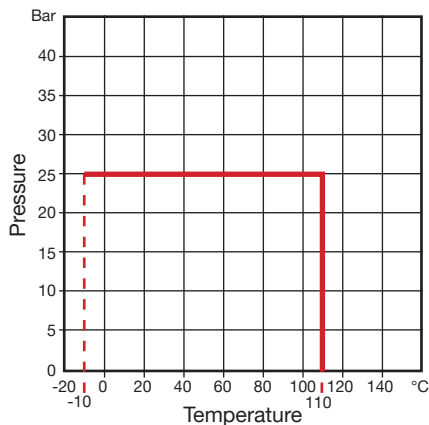
Max pressure: 25 Bar

Working temp: -10°C to 110°C



DN	15	22	28	35	42	54
O	14.5	19.0	24.5	31.5	39.5	49.5
F	18.8	20.3	22.0	24.0	28.0	32.0
SI	70.5	82	91.5	109	123	144
H	48	52	65	78	86	96
L	88	100	125	140	140	165
Kv	15.6	28	46	92	158	212
Kgs	0.28	0.36	0.57	0.93	1.34	2.67

N.	Part Name	Materials
1	Body	DZR Brass CW602N
2	Cap	DZR Brass CW602N
3	Seat	PTFE
4	Ball	DZR Brass CW602N Chrome Plated
5	Stem	DZR Brass CW602N
6	O-Ring	NBR
7	Handle	Steel A3
8	Lock Nut	Brass CW617N
9	Nut	Steel A3
10	Stem Packing	PTFE
11	Nut	Brass CW617N
12	Olive	Brass CW617N

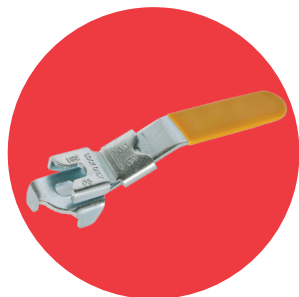


V1. Dimensions in mm

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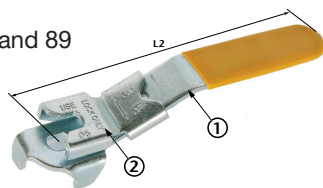
ART 257C

Locking Device



Features

- To suit ART 40, 50, 59 and 89

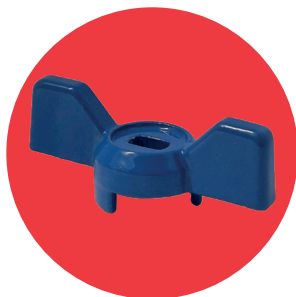


DN	1/2" - 15mm	3/4" - 22mm	1" - 28mm	1 1/4" - 35mm	1 1/2" - 42mm	2" - 54mm
40-50-59-89	C1	C1	C2	C3	C3	C4
	C1	C2	C3	C4		
L2	100	125	150	165		

N.	Part Name	Materials
1	Handle	Steel / Nickel Plated
2	Slide Device	Steel / Nickel Plated

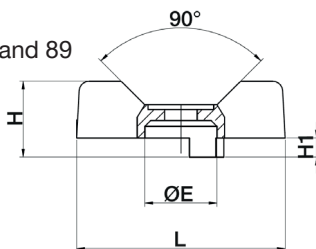
Tee Handles

Available in Red, Yellow, and Blue



Features

- To suit ART 40, 41, 50, 59 and 89



DN	1/4"	3/8"	1/2" - 15mm	3/4" - 22mm	1" - 28mm
ART 40	1B	1B	1B	1B	2B
ART 41	1B	1B	1B	1B	2B
ART 89	1B	1B	1B	1B	2B
ART 50	1B	1B	1B	1B	2B
ART 59	1B	1B	1B	1B	2B
	1/4"	3/8"	1/2" - 15mm	3/4" - 22mm	1" - 28mm
L	52	52	52	52	68
H	19	19	19	19	26
H1	4.8	4.8	4.8	4.8	6.0
E	17	17	17	17	22

V2 Dimensions in mm

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ART 96

Extended Tee Handle

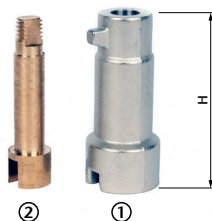
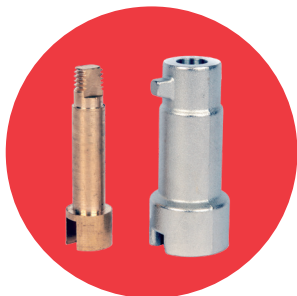


DN	1/2" - 15mm	3/4" - 22mm	1" - 28mm
ART 40	1B	1B	2B
ART 89	1B	1B	2B
ART 50	1B	1B	2B
ART 59	1B	1B	2B

DN	1/2" - 15mm	3/4" - 22mm	1" - 28mm
L	84	84	102
H	54	54	64

ART 97C

Thermal Extension



DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
ART 40	1B	1B	2B	3B	3B	4B
ART 89	1B	1B	2B	3B	3B	4B
ART 50	1B	1B	2B	3B	3B	4B
ART 59	1B	1B	2B	3B	3B	4B

	1B	2B	3B	4B
H	55	65	75	85

N.	Part Name	Materials
1	Extension	Brass / Nickel Plated
2	Stem	Brass

V1. Dimensions in mm

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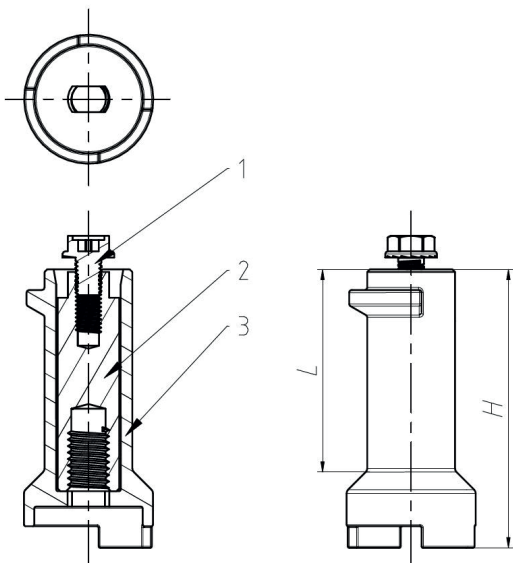
ART 97X

Thermal Extension



Features

- To suit ART 40, 50, 59 and 89

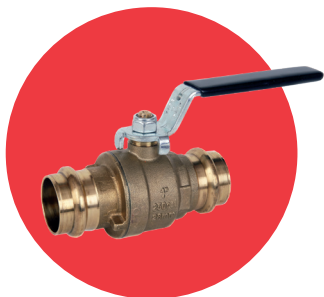


DN	1/4" - 3/4" 15-22mm	1" 28mm	1.1/4" - 1.1/2" 35-42mm	2" 54mm
L	39	40	45	48
H	55	57	62	66

N.	Part Name	Materials
1	Screw	Steel Q235 Nickle Plated
2	Stem	Brass
3	Sleeve	Brass

ART 55 PRS

DZR Brass Press Ball Valve



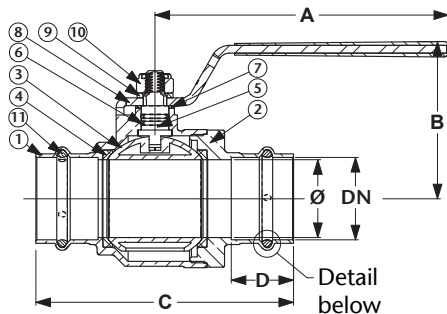
Features

- Universal M & V Press 15mm to 35mm
- Dedicated M & V Profiles 42mm & 54mm (See diagram)
- Full Bore
- Thermal extension available
- 5 year warranty
- Suitable for cold pressure connection to stainless steel, copper and carbon steel pipes

Technical data

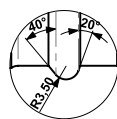
Max pressure: DN15 24 Bar
 DN22 & DN28 20 Bar
 DN35 - DN54 17 Bar

Working temp: -20°C to 140°C

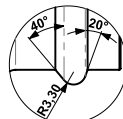


DN	15	22	28	35	42	54
A	90	90	110	110	150	150
B	47	52	57	66	81	88
C (M press)	78	91	99	107	133	155
C (V press)	78	91	99	107	133	163
D (M Press)	22	25	27	27	32	33
D (V Press)	22	25	27	27	32	37
Kv	17	41	68	123	198	290
Kgs	0.19	0.31	0.49	0.72	1.17	1.66(M) 1.75 (V)

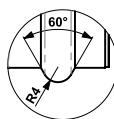
'M' Press
(DN42)



'M' Press
(DN54)

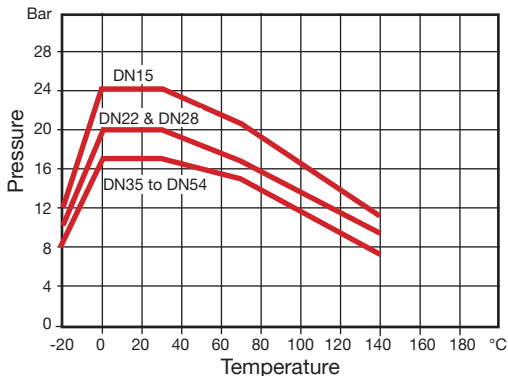


'V' Press
(DN42+54)



NB: Sizes 15mm to 35mm can be pressed with both 'M' and 'V' press jaws. Always use the appropriate 'M' or 'V' press sling to press sizes 42mm and 54mm.

N.	Part Name	Materials
1	Body	DZR Brass CW511L-DW
2	Press End	DZR Brass CW511L-DW
3	Ball	Brass Chrome Plated
4	Ball Gaskets	PTFE
5	Stem	Brass
6	O-Ring	FKM 70 SH
7	Anti-Friction Ring	PTFE
8	Handle	Steel
9	Washer	Brass
10	Self-Locking Nut	Steel
11	O-Ring	EPDM 70 PEROX

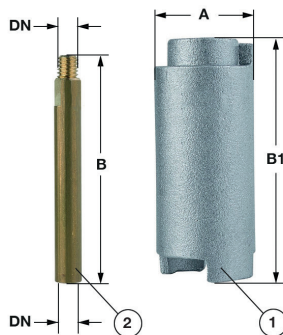


V1. Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

ART 97I

Thermal Extension to suit ART 55 PRS

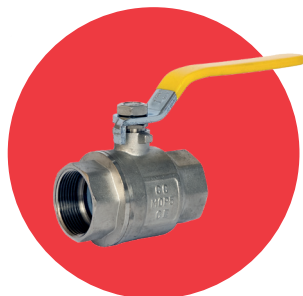


	15 & 22mm	28 & 35mm	42 & 54mm
DN	M.6	M.8	M.10
A	18.5	26	32
B	63.5	65.5	68.5
B1	64	64	68
Kgs	0.08	0.10	0.15

N.	Part Name	Materials
1	Extension	Aluminium Alloy EN AB-46100
2	Stem	Brass CW617N-M

ART 40T

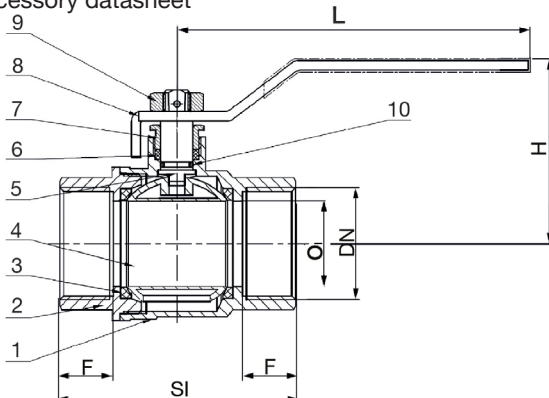
PN40 Brass Ball Valve



Features

- Screwed BSP Taper (ISO 7/1)
- Anti-blow-out stem
- PTFE seats & seals
- Full bore
- Locking lever, thermal extension (1/2"-2" only) and tee handle (1/4" to 1" only) options available
- For details on handles refer to the Ball Valve Accessory datasheet

Accessory datasheet



Technical data

Max pressure: 1/4" - 2" 40 Bar

2 1/2" - 4" 25 Bar

Working temp: -20°C to +140°C

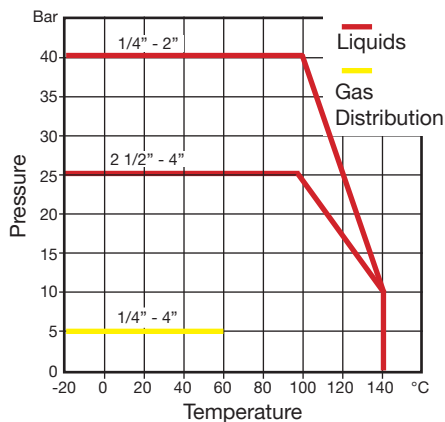
Technical data - Gas distribution

Max pressure: 1/4" - 4" 5 Bar

Working temp: -20°C to +60°C

DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
O	10	10	14.5	19	24.5	31.5	40	49	62	73	90
F	11.5	11.5	15	18	19.5	20	21	26.5	31	36.8	41.6
SI	45	45	57	67	77	88	99	121	146	168	199
H	41	41	49	51	62	81	90	96	122	132	143
L	83	83	88	100	125	140	140	165	225	225	280
Kv	8	10	16	30	48	100	170	230	230	576	940
Kgs	0.14	0.14	0.20	0.26	0.41	0.61	0.95	1.35	2.50	3.80	6.80

N.	Part Name	Materials
1	Body	Brass / Nickel Plated CW617N
2	Cap	Brass / Nickel Plated CW617N
3	Seat	PTFE
4	Ball	Brass / Chrome Plated CW617N
5	Stem	Brass CW617N
6	Packing	PTFE
7	Lock Nut	Brass CW617N
8	Handle	Carbon Steel A3
9	Nut	Carbon Steel A3
10	O-Ring	NBR

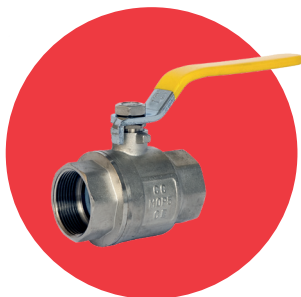


V1. Dimensions in mm

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ART 40NPT

PN40 Brass Ball Valve



Technical data

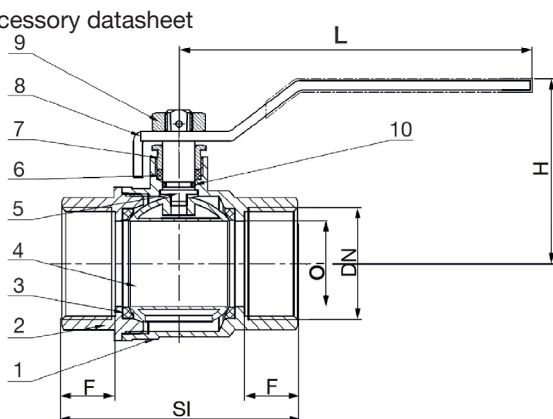
Max pressure: 1/4" - 2" 40 Bar

2 1/2" - 4" 25 Bar

Working temp: -20°C to +140°C

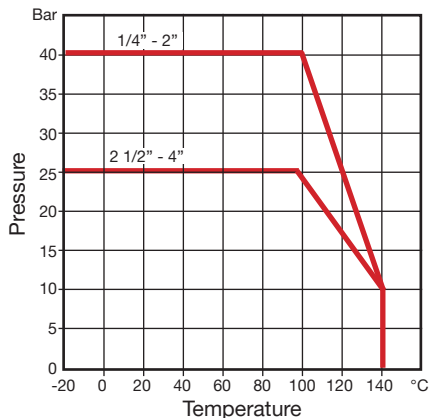
Features

- Screwed NPT (ANSI B1.20.1)
- Anti-blow-out stem
- PTFE seats & seals
- Full bore
- Locking lever, thermal extension (1/2"-2" only) and tee handle (1/4" to 1" only) options available
- For details on handles refer to the Ball Valve Accessory datasheet



DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
O	10	10	14.5	19	24.5	31.5	40	49	62	73	90
F	11.5	11.5	15	18	19.5	20	21	26.5	31	36.8	41.6
SI	45	45	57	67	77	88	99	121	146	168	199
H	41	41	49	51	62	81	90	96	122	132	143
L	83	83	88	100	125	140	140	165	225	225	280
Kv	8	10	16	30	48	100	170	230	230	576	940
Kgs	0.14	0.14	0.20	0.26	0.41	0.61	0.95	1.35	2.50	3.80	6.80

N.	Part Name	Materials
1	Body	Brass / Nickel Plated CW617N
2	Cap	Brass / Nickel Plated CW617N
3	Seat	PTFE
4	Ball	Brass / Chrome Plated CW617N
5	Stem	Brass CW617N
6	Packing	PTFE
7	Lock Nut	Brass CW617N
8	Handle	Carbon Steel A3
9	Nut	Carbon Steel A3
10	O-Ring	NBR

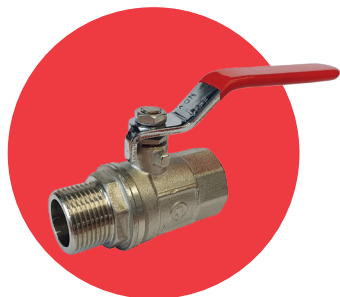


V1. Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

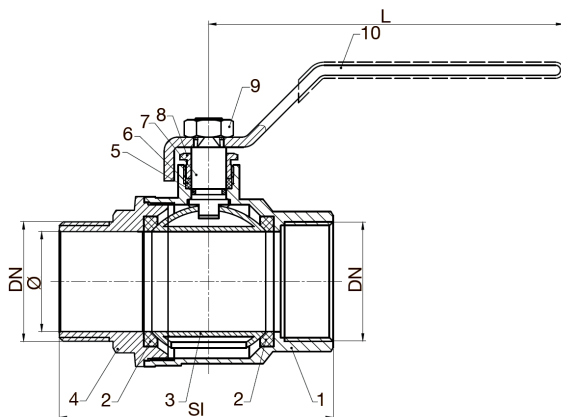
ART 41

PN40 Brass Ball Valve



Features

- Screwed BSP Parallel M/F Ends (ISO 228/1)
- Anti-blow-out stem
- Full bore
- Locking lever, thermal extension and tee handle options available
- For details on handles refer to the Ball Valve Accessory datasheet



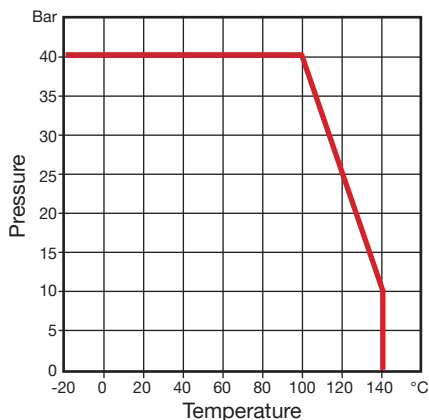
Technical data

Max pressure: 40 Bar

Working temp: -20°C to +140°C

DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Ø	8.5	10	14.5	19	24.5	31.5	40	49
SI	52	52	65	72.5	82	96.5	109.6	130
L	82	82	88	100	125	140	140	165
Kv	5.9	9.4	17.0	41.0	70.0	121.0	200.0	292.0
Kgs	0.15	0.14	0.23	0.32	0.48	0.78	1.05	1.62

N.	Part Name	Materials
1	Body	Brass CW617N
2	Ball Seat	PTFE
3	Ball	Brass CW617N
4	Cap	Brass CW617N
5	O-Ring	NBR
6	Packing	PTFE
7	Stem	Brass Hpb59
8	Lock Nut	Brass Hpb59
9	Nut	Steel #201
10	Handle	Steel Q235 + PVC



V1. Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

ART 41 Tee Handle

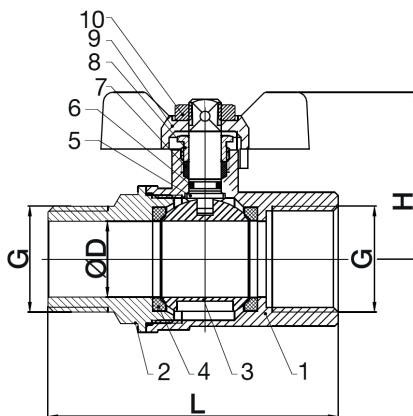
PN40 Brass Ball Valve

complete with Tee Handle



Features

- Screwed BSP Parallel M/F Ends (ISO 228/1)
- Anti-blow-out stem
- Full bore
- Tee Handle available in red and blue
- Standard lever, Locking lever and thermal extension options available



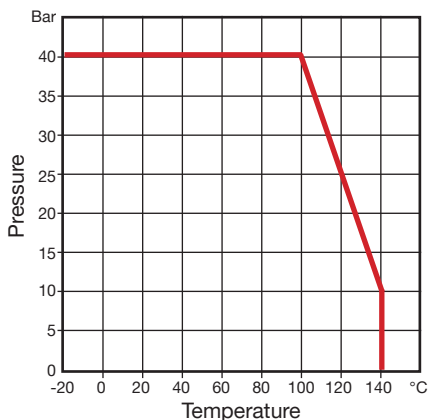
Technical data

Max pressure: 40 Bar

Working temp: -20°C to +140°C

DN	1/4"	3/8"	1/2"	3/4"	1"
G	1/4"	3/8"	1/2"	3/4"	1"
D	10.0	10.0	14.5	19.0	24.5
L	52.0	52.0	65.0	72.5	82.0
H	32	32	40	43	50
Kv	5.9	9.4	17.0	41.0	70.0
Kgs	0.15	0.14	0.23	0.32	0.48

N.	Part Name	Materials
1	Body	Brass CW617N
2	Bonnet	Brass CW617N
3	Ball	Brass CW617N
4	Ball Seat	PTFE
5	O-Ring	NBR
6	Packing	PTFE
7	Stem	Brass Hpb59
8	Lock Nut	Brass Hpb59
9	Handle	Aluminium Alloy
10	Nut	Steel #201

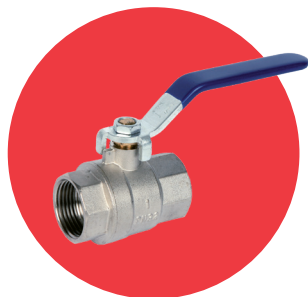


V1. Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

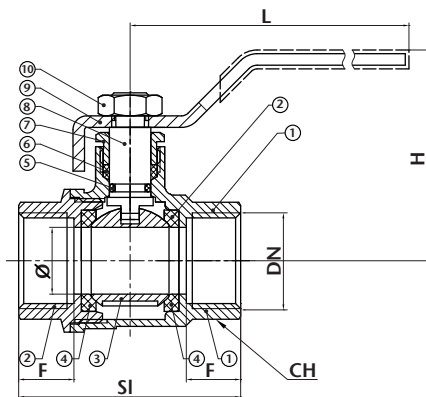
ART 54

PN32 Brass Ball Valve



Features

- Screwed BSP Parallel (ISO 228/1)
- Anti-blow-out stem
- PTFE seat
- Full bore



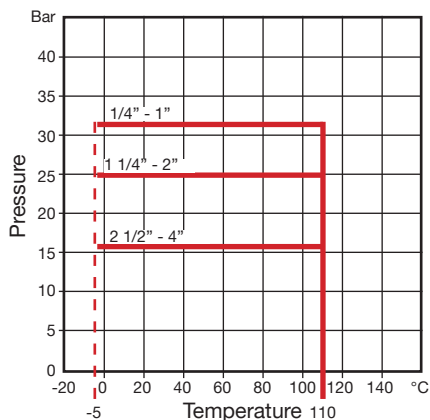
Technical data

Max pressure: $\frac{1}{4}$ " - 1" 32 Bar
 $1\frac{1}{4}$ " - 2" 25 Bar
 $2\frac{1}{2}$ " - 4" 16 Bar

Working temp: -5°C to +110°C

DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
O	10.5	10.5	15	20	25	32	40	50	62	74	95
F	9.5	10.5	12.5	13	15	17	18.5	20.5	24.5	26.5	30
SI	42	43.5	49	57.5	69.5	80.5	91.5	110	132	150	181
H	38	38	47	51	64	75	82	93	122	132	145
L	83	83	88	100	125	140	140	165	225	225	280
CH	17.5	20.5	25	30.5	37.5	47	54	66	84	96	123
Kv	5.9	9.4	19.8	30.1	62.3	124.7	155.8	249.3	535.0	850.0	1360.0
Kgs	0.10	0.10	0.18	0.28	0.5	0.71	1.06	1.55	3.00	4.00	7.05

N.	Part Name	Materials
1	Body	Brass HPb59
2	Cap	Brass HPb59
3	Ball	Brass HPb59
4	Seat	PTFE
5	O-Ring	NBR
6	Gland Nut	Brass HPb59
7	Packing	PTFE
8	Stem	Brass HPb59
9	Handle	Steel / PVC Coated Q235
10	Nut	Steel Q235



V1. Dimensions in mm

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ART 18

Compression Service Valve



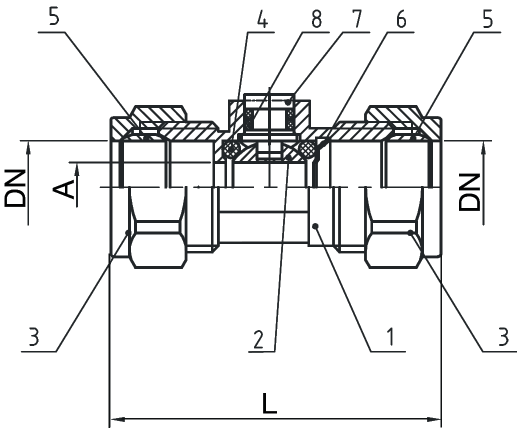
Features

- Compression ends in accordance with BS EN1254-2



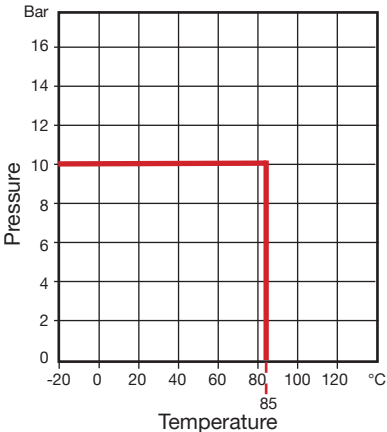
Technical data

Max pressure: 10 Bar
Working temp: -20°C to +85°C



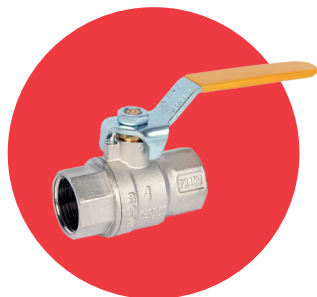
DN	15	22
A	Ø8	Ø12
L	50	65
Kgs	0.07	0.16

N.	Part Name	Materials
1	Body	Brass / Nickel Plated
2	Ball	Brass / Chrome Plated
3	Cap	Brass / Nickel Plated
4	O-Ring	EPDM
5	Olive	
6	Circlip	Stainless Steel
7	Stem	Brass / Nickel Plated
8	O-Ring	EPDM



ART 45P

PN50 Brass Ball Valve



EN331



GAS APPROVED



Technical data

Max pressure: $\frac{1}{4}" - \frac{3}{4}"$ 50 Bar
 $1" - 1\frac{1}{4}"$ 40 Bar
 $1\frac{1}{2}" - 2"$ 32 Bar

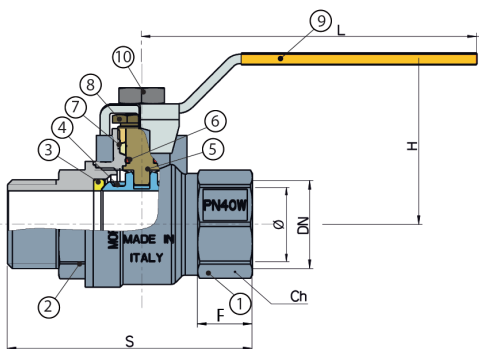
Working temp: -20°C to $+160^{\circ}\text{C}$

Technical data - Gas distribution

Max pressure: $\frac{1}{4}"$ to $2"$ 5 Bar
 Working temp: -20°C to $+60^{\circ}\text{C}$

Features

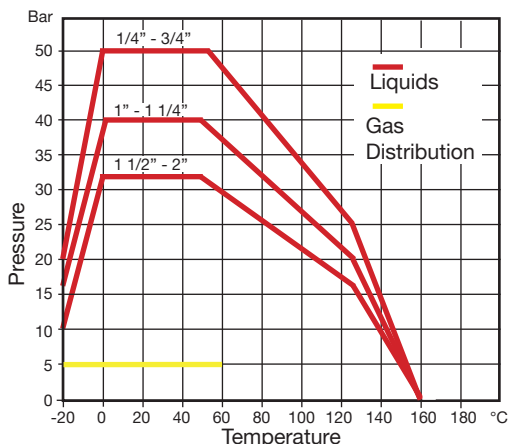
- Screwed BSP Parallel (ISO 228/1)
- PTFE seats & seals
- Anti-blow-out stem
- Full bore
- Locking lever & tee handle options available
- For details on handles refer to the Ball Valve Accessory datasheet



DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Ø	10	10	15	20	25	32	40	50
F	12	12	17	19.5	21	22	23.5	28
S	45	45	63	71	83	92	104	124
H	41	41	54	58	66	71	80	88
L	80	80	90	90	125	125	140	140
Ch	21	21	26	31	38	48	55	68
Kv	15	15	20	45	60	100	170	265
Kgs	0.14	0.14	0.26	0.37	0.57	0.84	1.46	2.09

N. Part Name Materials

1	Body	Brass / Nickel Plated CW617N
2	Body End	Brass / Nickel Plated CW617N
3	Seat	PTFE
4	Ball	Brass / Chrome Plated CW617N
5	Stem	Brass CW614N
6	O-Ring	HNBR
7	Seal	PTFE
8	Packing Nut	Brass CW614N
9	Handle	Steel Plastic Coated
10	Nut	Steel Zinc Plated

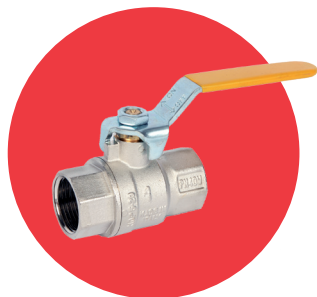


V2. Dimensions in mm

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ART 45T

PN50 Brass Ball Valve



Features

- Screwed BSP Taper (ISO 7/1)
- PTFE seats & seals
- Anti-blow-out stem
- Full bore
- Locking lever & tee handle options available
- For details on handles refer to the Ball Valve Accessory datasheet

EN331



GAS APPROVED



Technical data

Max pressure:	1/4" - 3/4"	50 Bar
	1" - 1 1/4"	40 Bar
	1 1/2" - 2"	32 Bar
	2 1/2" - 4"	25 Bar

Working temp: -20°C to +160°C

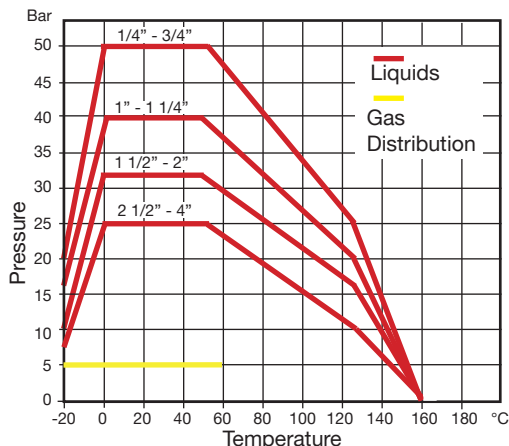
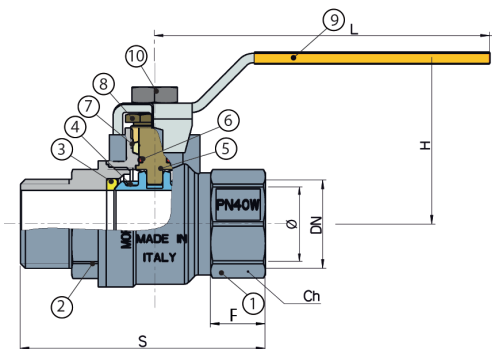
Technical data - Gas distribution

Max pressure:	1/4" - 4"	5 Bar
Working temp:	-20°C to +60°C	

DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Ø	10	10	15	20	25	32	40	50	60	74	94
F	12	12	17	19.5	21	22	23.5	28	28	30.5	38
S	45	45	63	71	83	92	104	124	140	159	196
H	41	41	54	58	66	71	80	88	131	140	156
L	80	80	90	90	125	125	140	140	250	250	250
Ch	21	21	26	31	38	48	55	68	85	99	125
Kv	15	15	20	45	60	100	170	265	510	790	1230
Kgs	0.14	0.14	0.26	0.37	0.57	0.84	1.46	2.09	4.30	6.00	9.25

N. Part Name Materials

1	Body	Brass / Nickel Plated CW617N
2	Body End	Brass / Nickel Plated CW617N
3	Seat	PTFE
4	Ball	Brass / Chrome Plated CW617N
5	Stem	Brass CW614N
6	O-Ring	HNBR
7	Seal	PTFE
8	Packing Nut	Brass CW614N
9	Handle	Steel Plastic Coated
10	Nut	Steel Zinc Plated

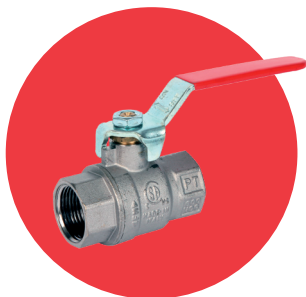


V2. Dimensions in mm

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ART 45NPT

PN50 Brass Ball Valve



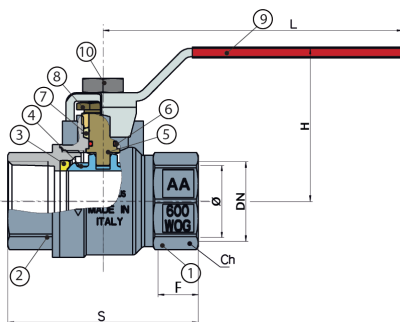
Features

- Screwed NPT (ANSI B1.20.1)
- PTFE seats & seals
- Anti-blow-out stem
- Full bore
- Complies to SA, UL & FM
- Locking lever & tee handle options available
- For details on handles refer to the Ball Valve Accessory datasheet

Technical data

Max pressure: $\frac{1}{4}$ " - $\frac{3}{4}$ " 50 Bar
 1 " - $1\frac{1}{4}$ " 40 Bar
 $1\frac{1}{2}$ " - 2 " 32 Bar
 $2\frac{1}{2}$ " - 4 " 25 Bar

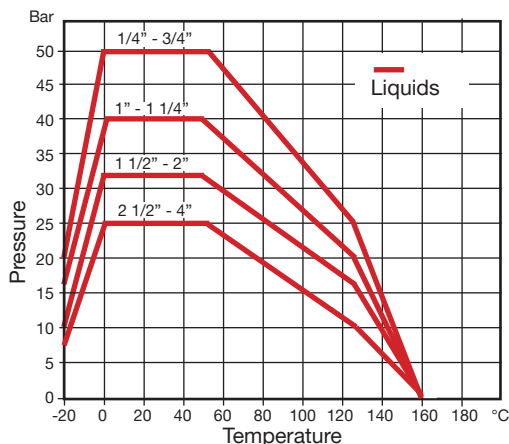
Working temp: -20°C to +160°C



DN	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1 "	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	2 "	$2\frac{1}{2}$ "	3 "	4 "
Ø	10	10	15	20	25	32	40	50	60	74	94
F	12	12	17	19.5	21	22	23.5	28	28	30.5	38
S	45	45	63	71	83	92	104	124	140	159	196
H	41	41	54	58	66	71	80	88	131	140	156
L	80	80	90	90	125	125	140	140	250	250	250
Ch	21	21	26	31	38	48	55	68	85	99	125
Kv	15	15	20	45	60	100	170	265	510	790	1230
Kgs	0.14	0.14	0.26	0.37	0.57	0.84	1.46	2.09	4.30	6.00	9.25

N. Part Name Materials

1	Body	Brass / Nickel Plated CW617N
2	Body End	Brass / Nickel Plated CW617N
3	Seat	PTFE
4	Ball	Brass / Chrome Plated CW617N
5	Stem	Brass CW614N
6	O-Ring	HNBR
7	Seal	PTFE
8	Packing Nut	Brass CW614N
9	Handle	Steel Plastic Coated
10	Nut	Steel Zinc Plated

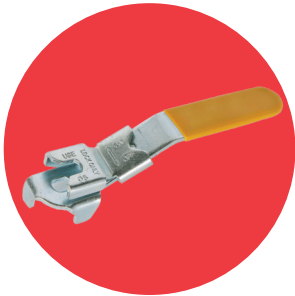


V1. Dimensions in mm

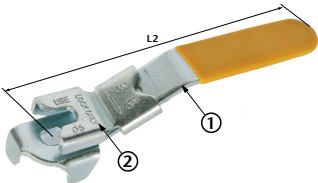
This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

ART 257

Locking Device



- Features
- To suit ART 45



DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
45-46-47	M	M	1A	1A	2A	2A	3A	3A

	M	1A	2A	3A
L2	95	120	150	160

N.	Part Name	Materials
1	Handle	Steel / Nickel Plated
2	Slide Device	Steel / Nickel Plated

ART 97

Thermal Extension



Features

- To suit ART 45T, 45P, 70 and 71



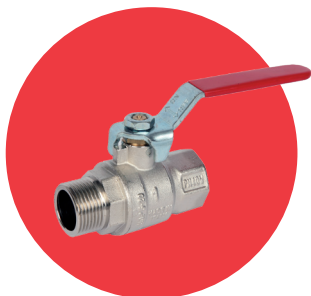
DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
ART 45T	M	M	1A	1A	2A	2A	3A	3A	5A	5A	5A
ART 45P	M	M	1A	1A	2A	2A	3A	3A	5A	5A	5A
ART 70/71	T1A	T1A	T2A	T2A	T3A	T3A	T4A	T4A			

	M	1A	2A	3A	4A	5A
H	50	55	65	75	90	100

N.	Part Name	Materials
1	Extension	Brass / Nickel Plated
2	Stem	Brass
3	Fix Cover	Plastic
4	Screw	Steel

ART 46

PN50 Brass Ball Valve



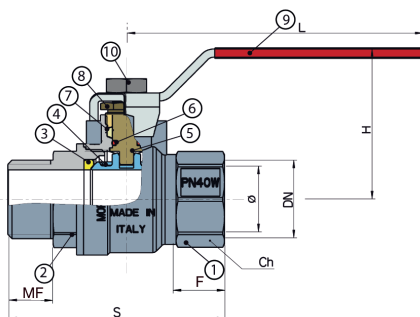
Features

- Screwed BSP Parallel M/F Ends (ISO 228/1)
- PTFE seats & seals
- Anti-blow-out stem
- Full bore
- Locking lever & tee handle options available
- For details on handles refer to the Ball Valve Accessory datasheet

Technical data

Max pressure: $\frac{1}{4}$ " - $\frac{3}{4}$ " 50 Bar
 1 " - $1\frac{1}{4}$ " 40 Bar
 $1\frac{1}{2}$ " - 2 " 32 Bar

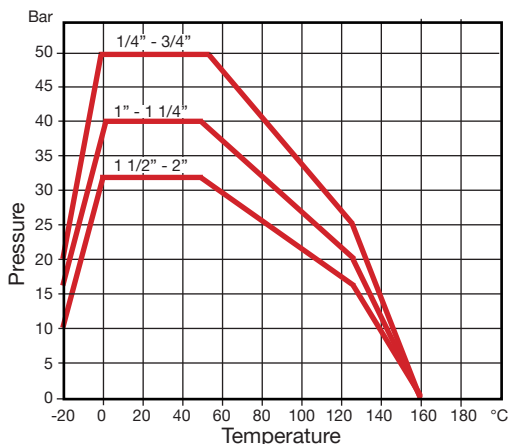
Working temp: -20°C to +160°C



DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Ø	10	10	15	20	25	32	40	50
F	12	12	17	19.5	21	22	23.5	28
MF		12	15	16	19	20.5	21.5	24.5
S	42	54	70	80	92	102	117	137
H	41	41	54	58	66	71	80	88
L	80	80	90	90	125	125	140	140
Ch	21	21	26	31	38	48	55	68
Kv	15	15	20	45	60	100	170	265
Kgs	0.12	0.13	0.27	0.39	0.63	0.91	1.43	2.06

N. Part Name Materials

1	Body	Brass / Nickel Plated CW617N
2	Cap	Brass / Nickel Plated CW617N
3	Seat	PTFE
4	Ball	Brass / Chrome Plated CW617N
5	Stem	Brass CW614N
6	O-Ring	HNBR
7	Seal	PTFE
8	Packing Nut	Brass CW614N
9	Handle	Steel Plastic Coated
10	Nut	Steel Zinc Plated

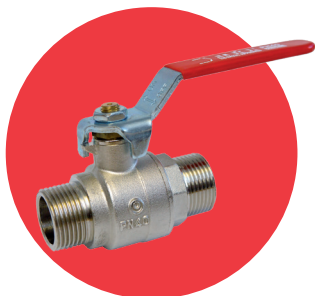


V1. Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

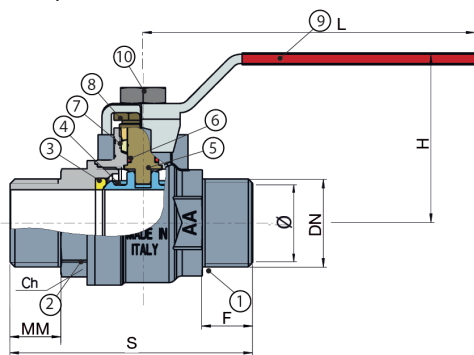
ART 47

PN50 Brass Ball Valve



Features

- Screwed BSP Parallel M/M Ends (ISO 228/1)
- PTFE seats & seals
- Anti-blow-out stem
- Full bore
- Locking lever & tee handle options available
- For details on handles refer to the Ball Valve Accessory datasheet



Technical data

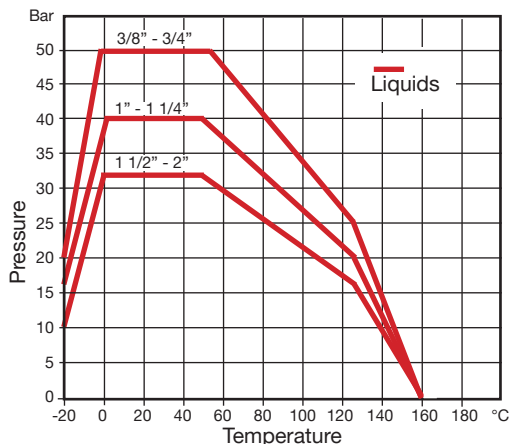
Max pressure: 3/8" - 3/4" 50 Bar
 1" - 1 1/4" 40 Bar
 1 1/2" - 2" 32 Bar

Working temp: -20°C to +160°C

DN	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Ø	10	15	20	25	32	40	50
F	12	17	19.5	21	22	23.5	28
MM	12	15	16	19	20.5	21.5	24.5
S	54	68	77	92	106	111	138
H	41	54	58	66	71	80	88
L	80	90	90	125	125	140	140
Ch	21	26	31	38	48	55	68
Kv	15	20	45	60	100	170	265
Kgs	0.13	0.27	0.37	0.62	0.93	1.35	2.14

N. Part Name Materials

1	Body	Brass / Nickel Plated CW617N
2	Cap	Brass / Nickel Plated CW617N
3	Seat	PTFE
4	Ball	Brass / Chrome Plated CW617N
5	Stem	Brass CW614N
6	O-Ring	HNBR
7	Seal	PTFE
8	Packing Nut	Brass CW614N
9	Handle	Steel Plastic Coated
10	Nut	Steel Zinc Plated

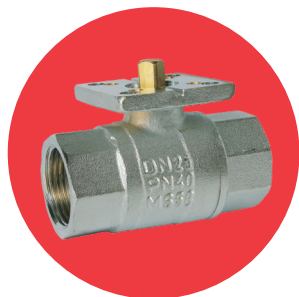


V1. Dimensions in mm

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ART 160

PN40 Brass Ball Valve



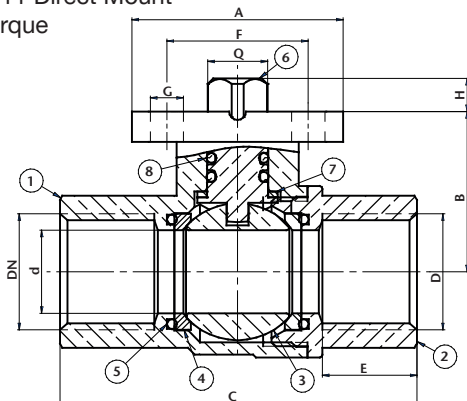
Technical data

Max pressure: $\frac{1}{4}" - 1"$ 40 Bar
 $1\frac{1}{4}"$ 32 Bar
 $1\frac{1}{2}" - 2\frac{1}{2}"$ 30 Bar
 $3"$ 25 Bar

Working temp: -20°C to $+120^{\circ}\text{C}$

Features

- Screwed BSP Parallel (ISO 228/1)
- PTFE seats & seals
- ISO 5211 Direct Mount
- Low torque

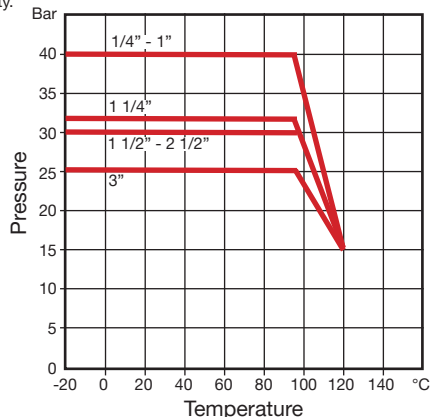


DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
d	11.5	15	15	20	25	32	38	47	64	76
A	38	38	38	38	50	50	50	50	70	70
B	29	29	29	33	37	42	58	64	90	100
C	64	64	64	76	88	96	103	121	165	188
G	6	6	6	6	6/7	6/7	6/7	6/7	8.5	8.5
E	17	17	17	19	21	22	22	24.5	34	37
F	36	36	36	36	36/50	36/50	36/50	36/50	70	70
Drilling	F03	F03	F03	F03	F03/F05	F03/F05	F03/F05	F03/F05	F07	F07
Q	9	9	9	9	9	9	11	11	14	14
H	10	10	10	10	10	10	12	12	16	16
Torque	3	3	3	4	5	10	15	15	20	20
Kv	5.4	6.0	16.2	29.4	43.0	89.0	230.0	264.0	538.0	870.0
Kgs	0.34	0.32	0.28	0.41	0.71	0.95	1.16	2.06	3.85	5.52

Torque calculated at zero pressure includes 25% safety, add 25% for dry duty.

N. Part Name Materials

1	Body	Brass / Chrome Plated CW617N
2	Cap	Brass / Chrome Plated CW617N
3	Ball	Brass / Chrome Plated CW617N
4	Seat	PTFE
5	O-Ring	PTFE
6	Stem	Brass / Nickel Plated CW614N
7	Washer	PTFE
8	O-Ring	Viton



V3 Dimensions in mm

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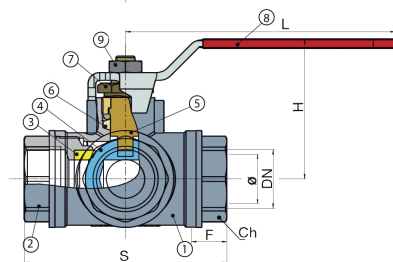
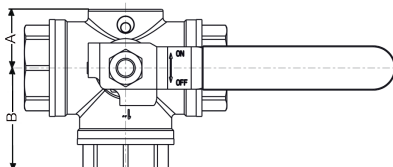
ART 70-71

PN32 Brass 3 Way Ball Valve



Features

- Screwed BSP Parallel (ISO 228/1)
- PTFE seats & seals
- Reduced bore
- 'L' & 'T' port



Technical data

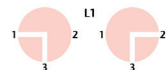
Max pressure: 1/4" - 1" 32 Bar

1 1/4" - 2" 25 Bar

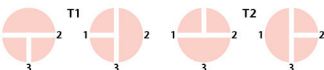
Working temp: -20°C to +150°C

Ball Positions

ART 70

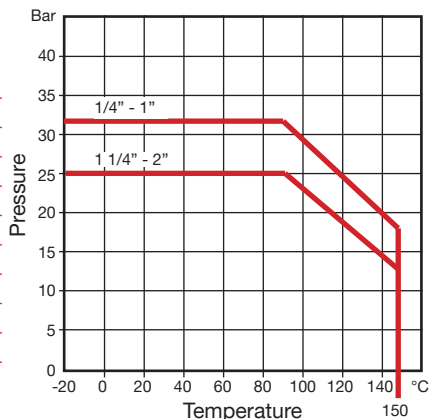


ART 71



DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
S	74	74	80	90	105	115	138	161
H	58	58	60	64	73	79	100	105
B	37	37	39	46	52	58	69	80
A	22	22	24	28	31	35	42	48
F	12	12	14	16	19	21	23	26
Ch	22	22	29	34	42	50	57	68
L	90	90	125	125	140	140	220	220
Ø	10	10	12	15	20	25	32	40
Kv	3	3	4	6	12	21	35	47
Kgs	0.50	0.50	0.75	1.25	1.25	2.09	3.60	5.30

N.	Part Name	Materials
1	Body	Brass / Nickel Plated CW617N
2	Cap	Brass / Nickel Plated CW617N
3	Seat	PTFE
4	Ball	Brass / Chrome Plated CW617N
5	Stem	Brass CW614N
6	Stem Seat	PTFE
7	Packing Nut	Brass CW614N
8	Handle	Steel / PVC Coated
9	Nut	Steel / Zinc Plated



V1. Dimensions in mm

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ART 87-88

PN30 Brass 3 Way Ball Valve



Features

- Screwed BSP Parallel (ISO 228/1)
- PTFE seals
- ISO 5211 Direct Mount
- Lever available
- 'L' & 'T' port

Technical data

Max pressure: $\frac{1}{4}$ " - $\frac{3}{4}$ " 30 Bar
 1 " - $1\frac{1}{4}$ " 20 Bar
 $1\frac{1}{2}$ " - 2 " 16 Bar

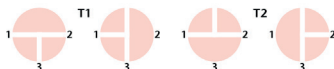
Working temp: -20°C to +120°C

Ball Positions

ART 88



ART 87

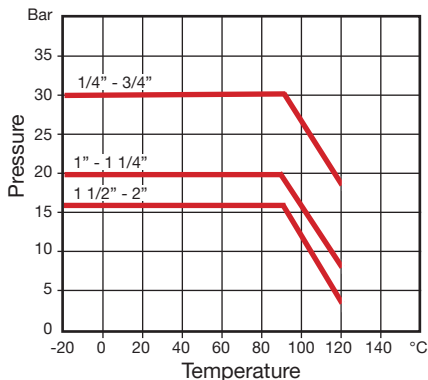
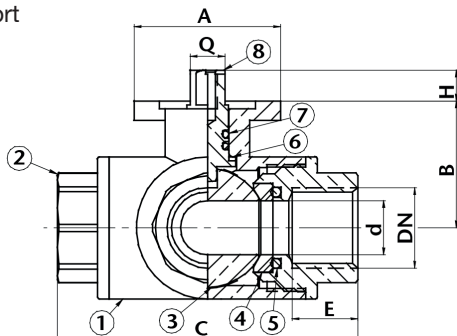


DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
d	10	10	14	19	24	30	38	48
A	38	38	38	50	50	50	70	70
B	30	30	33	42	47	52	70	79.5
C	65	65	78	87	105	118	134	161
E	15	15	17	18	21	23.5	23.5	27.5
H	10	10	10	12	12	12	16	16
Q	9	9	9	11	11	11	14	14
ISO5211	F03	F03	F03	F05	F05	F05	F07	F07
Torque	3	3	4	10	13	13	20	25
Kv	2.7	3.0	3.5	5.9	11.0	16.0	25.4	37.4
Kgs (ART 87)	0.69	0.73	0.82	1.04	1.74	2.70	4.32	8.37
Kgs (ART 88)	0.70	0.73	0.82	1.04	1.75	2.70	4.32	8.37

Torque calculated at zero pressure includes 25% safety, add 25% for dry duty.

N. Part Name Materials

1	Body	Brass / Chrome Plated CW617N
2	Cap	Brass / Chrome Plated CW617N
3	Ball	$\frac{1}{4}$ " - $\frac{3}{4}$ " Brass / Chrome Plated CW614N 1 "- 2 " Brass / Chrome Plated CW617N
4	Ring	PTFE
5	O-Ring	Viton
6	Washer	PTFE
7	O-Ring	Viton
8	Stem	Brass / Nickel Plated CW617N



V1. Dimensions in mm

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ART 901L

PN69 Stainless Steel

1 Piece Ball Valve



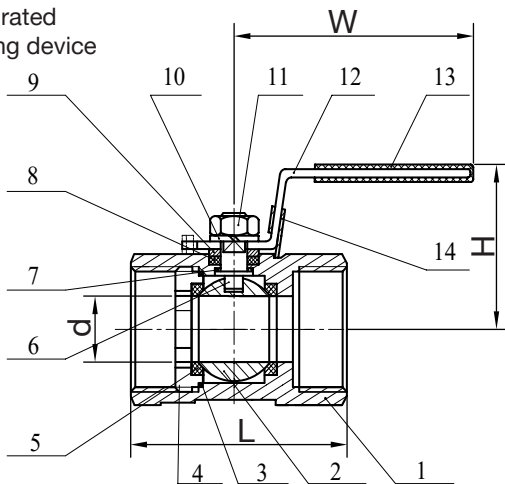
Technical data

Max pressure: ¼" - 1¼" 69 Bar
1½" - 2" 55 Bar

Working temp: -25°C to +200°C

Features

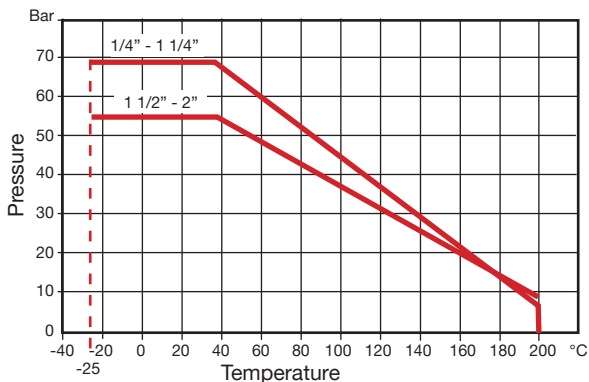
- BSP Taper (ISO 7/1)
- Reduced bore
- PN69 rated
- Locking device



DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
d	5.0	7.0	9.0	12.5	15.0	20.0	25.0	32.0
L	40	45	60	60	71	78	82	100
H	33	36	37	42	52	56	65	70
W	67	67	93	93	103	103	125	125
Torque	2	2	3	3	4	5	7	9
Kv	3.6	9.4	23.0	28.5	43.8	63.0	102.0	165.0
Kgs	0.09	0.12	0.19	0.28	0.39	0.58	0.85	1.35

N. Part Name Materials

1	Body	CF8M
2	Ball	Stainless Steel 316
3	Body Gasket	PTFE
4	Cap	CF8M
5	Ball Seat	R-PTFE (15%)
6	Stem	Stainless Steel 316
7	Thrust Washer	PTFE
8	Stem Packing	PTFE
9	Washer	Stainless Steel 304
10	Spring Washer	Stainless Steel 304
11	Nut	Stainless Steel 304
12	Handle	Stainless Steel 304
13	Handle Cover	Plastic
14	Lock Device	Stainless Steel 304



V1. Dimensions in mm

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ART 902T

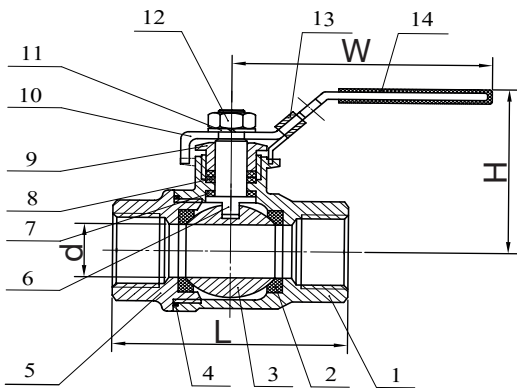
PN82 Stainless Steel

2 Piece Ball Valve



Features

- BSP Taper (ISO 7/1)
- Full bore
- PN82 rated
- Locking device
- Tee handles available for 1/4", 3/8" and 1/2"



Technical data

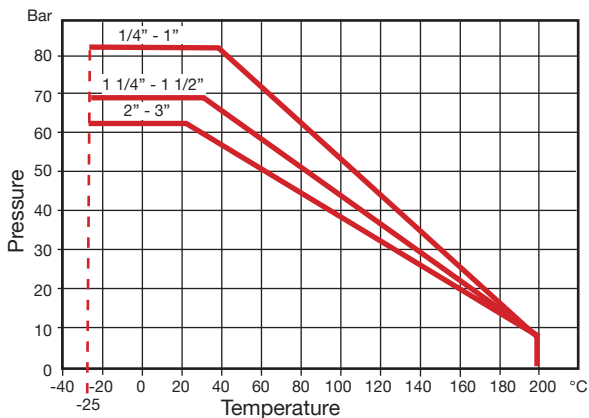
Max pressure: 1/4" - 1" 82 Bar
 1 1/4" - 1 1/2" 69 Bar
 2" - 3" 62 Bar

Working temp: -25°C to +200°C

DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
d	11.5	12.5	15.0	20.0	25.0	32.0	40.0	50.0	65.0	76.0
L	49	49	57	64	77	90	105	125	153	172
H	54	54	56	65	70	75	93	99	123	140
W	105	105	105	118	150	150	182	182	254	254
Torque	4	4	5	8	10	14	18	25	48	75
Kv	6.0	16.0	35.0	46.0	72.0	105.0	170.0	275.0	502	905
Kgs	0.23	0.23	0.24	0.45	0.65	1.05	1.70	2.61	5.01	7.61

N. Part Name Materials

1	Body	CF8M
2	Ball Seat	R-PTFE (15%)
3	Ball	Stainless Steel 316
4	Body Gasket	PTFE
5	Cap	CF8M
6	Stem	Stainless Steel 316
7	Thrust Washer	PTFE
8	Stem Packing	PTFE
9	Gland Nut	Stainless Steel 304
10	Handle	Stainless Steel 304
11	Spring Washer	Stainless Steel 304
12	Nut	Stainless Steel 304
13	Lock Device	Stainless Steel 304
14	Handle Cover	Plastic



V1. Dimensions in mm

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ART 902P

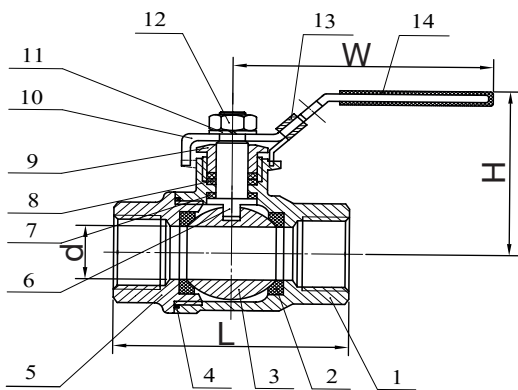
PN82 Stainless Steel

2 Piece Ball Valve



Features

- BSP Parallel (ISO 7/1)
- Full bore
- PN82 rated
- Locking device
- Tee handles available for 1/4", 3/8" and 1/2"



Technical data

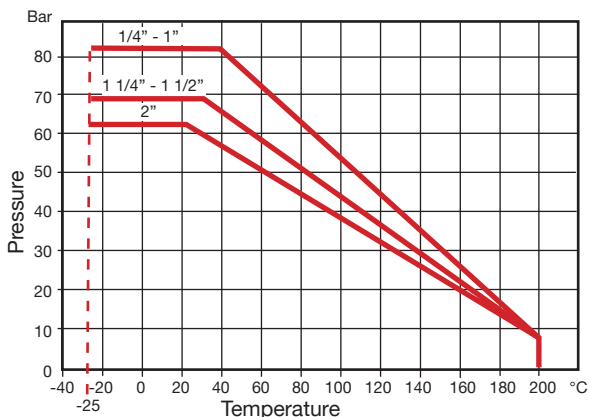
Max pressure: $\frac{1}{4}" - 1"$ 82 Bar
 $1\frac{1}{4}" - 1\frac{1}{2}"$ 69 Bar
 $2"$ 62 Bar

Working temp: -25°C to +200°C

DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
d	11.5	12.5	15.0	20.0	25.0	32.0	40.0	50.0
L	49	49	57	64	77	90	105	125
H	54	54	56	65	70	75	93	99
W	105	105	105	118	150	150	182	182
Torque	4	4	5	8	10	14	18	25
Kv	6.0	16.0	35.0	46.0	72.0	105.0	170.0	275.0
Kgs	0.23	0.23	0.24	0.45	0.65	1.05	1.70	2.61

N. Part Name Materials

1	Body	CF8M
2	Ball Seat	R-PTFE (15%)
3	Ball	Stainless Steel 316
4	Body Gasket	PTFE
5	Cap	CF8M
6	Stem	Stainless Steel 316
7	Thrust Washer	PTFE
8	Stem Packing	PTFE
9	Gland Nut	Stainless Steel 304
10	Handle	Stainless Steel 304
11	Spring Washer	Stainless Steel 304
12	Nut	Stainless Steel 304
13	Lock Device	Stainless Steel 304
14	Handle Cover	Plastic



V1. Dimensions in mm

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ART 902NPT

PN82 Stainless Steel

2 Piece Ball Valve



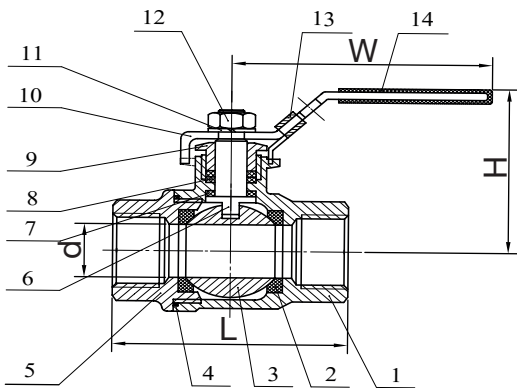
Technical data

Max pressure: $\frac{1}{4}$ " - 1" 82 Bar
 $1\frac{1}{4}$ " - $1\frac{1}{2}$ " 69 Bar
 2" 62 Bar

Working temp: -25°C to +200°C

Features

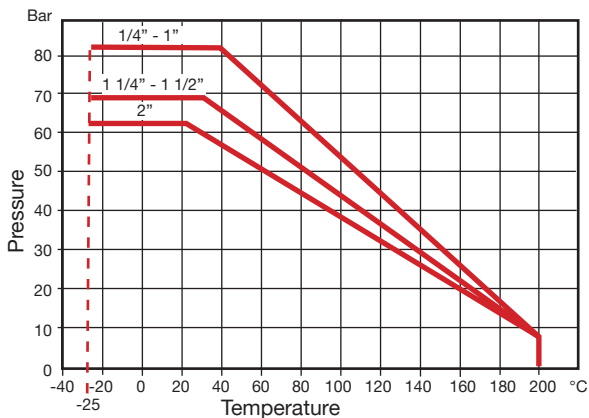
- Screwed NPT (ANSI B1.20.1)
- Full bore
- PN82 rated
- Locking device
- Tee handles available for $\frac{1}{4}$ ", $\frac{3}{8}$ " and $\frac{1}{2}$ "



DN	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"
d	11.5	12.5	15.0	20.0	25.0	32.0	40.0	50.0
L	49	49	57	64	77	90	105	125
H	54	54	56	65	70	75	93	99
W	105	105	105	118	150	150	182	182
Torque	4	4	5	8	10	14	18	25
Kv	6.0	16.0	35.0	46.0	72.0	105.0	170.0	275.0
Kgs	0.23	0.23	0.24	0.45	0.65	1.05	1.70	2.61

N. Part Name Materials

1	Body	CF8M
2	Ball Seat	R-PTFE (15%)
3	Ball	Stainless Steel 316
4	Body Gasket	PTFE
5	Cap	CF8M
6	Stem	Stainless Steel 316
7	Thrust Washer	PTFE
8	Stem Packing	PTFE
9	Gland Nut	Stainless Steel 304
10	Handle	Stainless Steel 304
11	Spring Washer	Stainless Steel 304
12	Nut	Stainless Steel 304
13	Lock Device	Stainless Steel 304
14	Handle Cover	Plastic



V1. Dimensions in mm

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ART 912P

Stainless Steel 2 Piece Ball Valve



Features

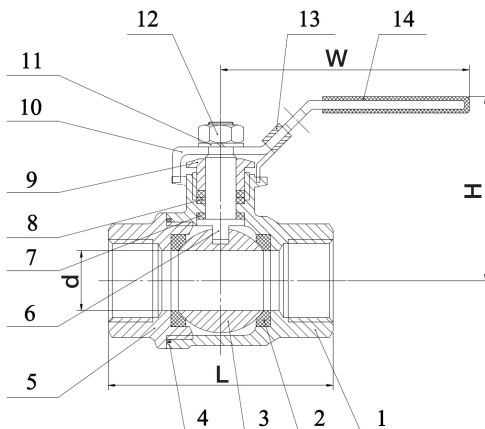
- BSP Parallel Ends (ISO 7/1)
- Full bore
- 2000 PSI rated
- Locking device



Technical data

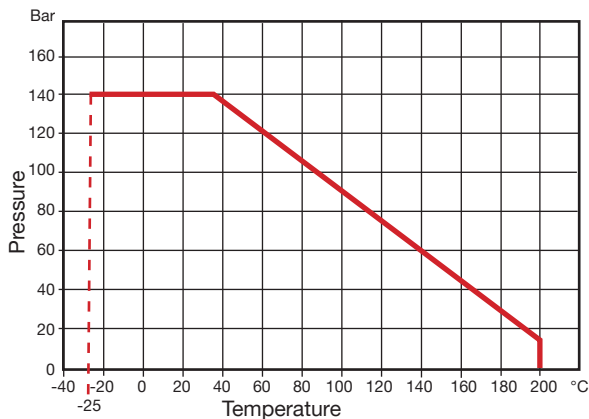
Max pressure: 140 Bar

Working temp: -25°C to +200°C



DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
d	11.5	12.5	15	20	25	32	40	50
L	49	49	58	65	77	90	105	125
H	54	54	56	65	70	75	93	99
W	105	105	105	118	150	150	182	182
N.m	4	4	5	8	10	14	18	25
Kv	6.0	16.0	35.0	46.0	72.0	105.0	170.0	275.0
Kgs	0.23	0.23	0.31	0.55	0.74	1.21	1.86	2.97

N.	Part Name	Materials
1	Body	CF8M
2	Ball Seat	R-PTFE (15%)
3	Ball	Stainless Steel 316
4	Body Gasket	PTFE
5	Cap	CF8M
6	Stem	Stainless Steel 316
7	Thrust Washer	PTFE
8	Stem Packing	PTFE
9	Gland Nut	Stainless Steel 304
10	Handle	Stainless Steel 304
11	Spring Washer	Stainless Steel 304
12	Nut	Stainless Steel 304
13	Lock Device	Stainless Steel 304
14	Handle Cover	Plastic



V1. Dimensions in mm

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ART 922P

Stainless Steel 2 Piece Ball Valve



Features

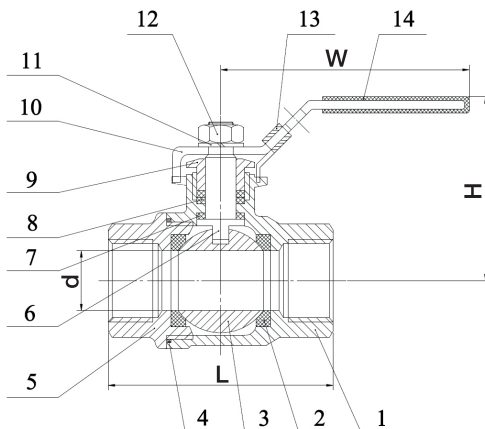
- BSP Parallel Ends (ISO 228/1)
- Full bore
- 2000 PSI rated
- Locking device



Technical data

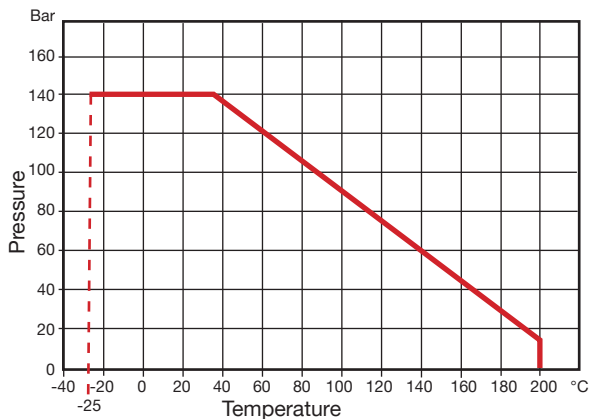
Max pressure: 140 Bar

Working temp: -25°C to +200°C



DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
d	11.5	12.5	15	20	25	32	40	50
L	49	49	58	65	77	90	105	125
H	54	54	56	65	70	75	93	99
W	105	105	105	118	150	150	182	182
N.m	4	4	5	8	10	14	18	25
Kv	6.0	16.0	35.0	46.0	72.0	105.0	170.0	275.0
Kgs	0.23	0.23	0.31	0.55	0.74	1.21	1.86	2.97

N.	Part Name	Materials
1	Body	CF8M
2	Ball Seat	R-PTFE (15%)
3	Ball	Stainless Steel 316
4	Body Gasket	PTFE
5	Cap	CF8M
6	Stem	Stainless Steel 316
7	Thrust Washer	PTFE
8	Stem Packing	PTFE
9	Gland Nut	Stainless Steel 304
10	Handle	Stainless Steel 304
11	Spring Washer	Stainless Steel 304
12	Nut	Stainless Steel 304
13	Lock Device	Stainless Steel 304
14	Handle Cover	Plastic



V1. Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

ART 912NPT

Stainless Steel 2 Piece Ball Valve



Features

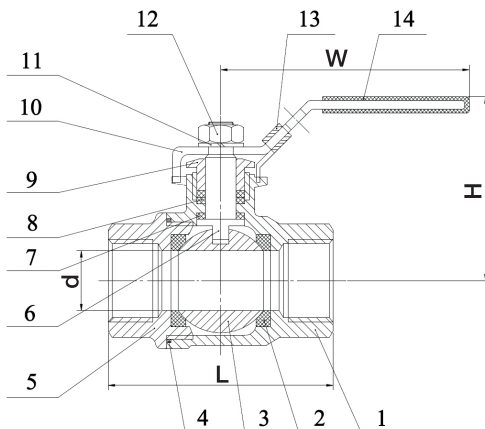
- NPT Ends (ANSI B1.20.1)
- Full bore
- 2000 PSI rated
- Locking device



Technical data

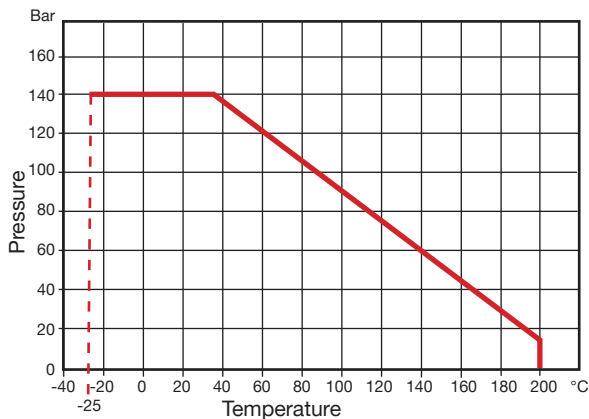
Max pressure: 140 Bar

Working temp: -25°C to +200°C



DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
d	11.5	12.5	15	20	25	32	40	50
L	49	49	58	65	77	90	105	125
H	54	54	56	65	70	75	93	99
W	105	105	105	118	150	150	182	182
N.m	4	4	5	8	10	14	18	25
Kv	6.0	16.0	35.0	46.0	72.0	105.0	170.0	275.0
Kgs	0.23	0.23	0.31	0.55	0.74	1.21	1.86	2.97

N.	Part Name	Materials
1	Body	CF8M
2	Ball Seat	R-PTFE (15%)
3	Ball	Stainless Steel 316
4	Body Gasket	PTFE
5	Cap	CF8M
6	Stem	Stainless Steel 316
7	Thrust Washer	PTFE
8	Stem Packing	PTFE
9	Gland Nut	Stainless Steel 304
10	Handle	Stainless Steel 304
11	Spring Washer	Stainless Steel 304
12	Nut	Stainless Steel 304
13	Lock Device	Stainless Steel 304
14	Handle Cover	Plastic



V1. Dimensions in mm

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ART 903

PN82 Stainless Steel

3 Piece Ball Valve



Features

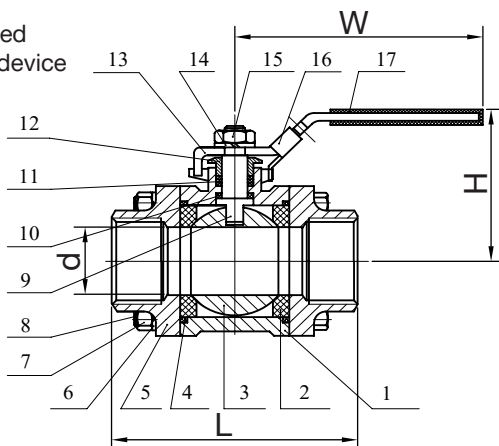
- BSP Taper (ISO 7/1)
- Full bore
- PN82 rated
- Locking device



Technical data

Max pressure: $\frac{1}{4}$ " - 1" 82 Bar
 $1\frac{1}{4}$ " - $1\frac{1}{2}$ " 69 Bar
 2" - 3" 62 Bar

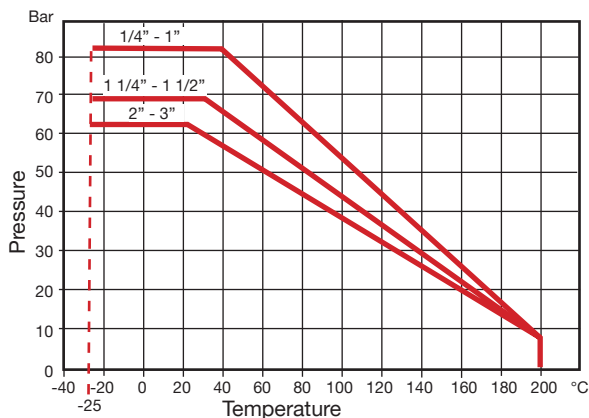
Working temp: -25°C to +200°C



DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
d	11.0	12.5	15.0	20.0	25.0	32.0	40.0	50.0	65.0	80.0
L	50	60	75	80	90	110	120	140	185	205
H	51	51	53	60	75	80	88	95	121	135
W	105	105	118	118	150	150	182	182	254	254
Torque	4	4	5	8	10	14	18	25	48	75
Kv	6.4	15.7	26.2	34.4	53.9	78.6	127.2	205.2	379.4	677.1
Kgs	0.40	0.42	0.45	0.73	1.04	1.65	2.25	3.15	6.50	9.60

N. Part Name Materials

1	Body	CF8M
2	Ball Seat	R-PTFE (15%)
3	Ball	Stainless Steel 316
4	Body Gasket	PTFE
5	Cap	CF8M
6	Spring Washer	Stainless Steel 304
7	Nut	Stainless Steel 304
8	Bolt	Stainless Steel 304
9	Stem	Stainless Steel 316
10	Thrust Washer	PTFE
11	Stem Packing	PTFE
12	Gland Nut	Stainless Steel 304
13	Handle	Stainless Steel 304
14	Spring Washer	Stainless Steel 304
15	Nut	Stainless Steel 304
16	Lock Device	Stainless Steel 304
17	Handle Cover	Plastic



V1. Dimensions in mm

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ART 903SW

PN82 Stainless Steel

3 Piece Ball Valve



Features

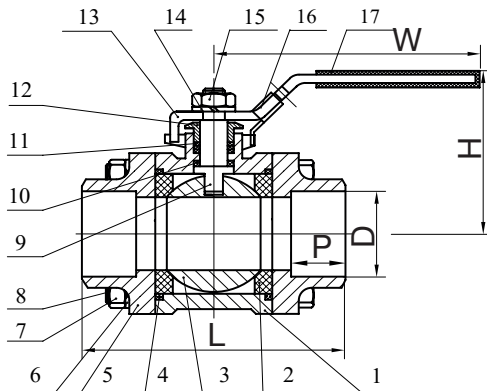
- Socket Weld Ends
- Full bore
- Locking device



Technical data

Max pressure: $\frac{1}{4}$ " - 1" 82 Bar
 $1\frac{1}{4}$ " - $1\frac{1}{2}$ " 69 Bar
 2" - 3" 62 Bar

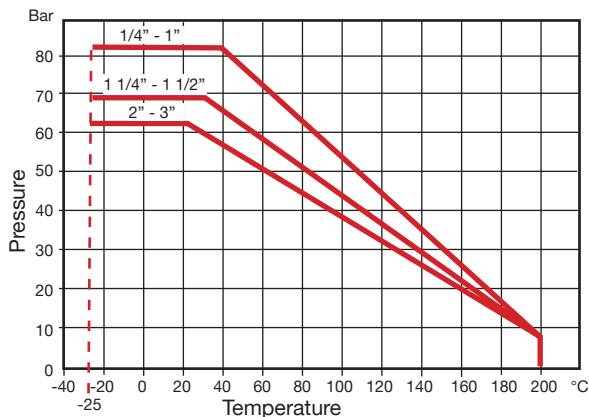
Working temp: -25°C to +200°C



DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
D	14.0	17.6	21.7	27.3	34.1	42.8	48.7	61.0	77.0	90.0
P	10	10	10	13	13	13	13	16	16	16
L	50	60	75	80	90	110	120	140	185	205
H	51	51	53	60	75	80	88	95	121	135
W	105	105	118	118	150	150	182	182	254	254
Torque	4	4	5	8	10	14	18	25	48	75
Kv	6.43	15.71	26.19	34.42	53.87	78.56	127.20	205.16	379.35	677.14
Kgs	0.37	0.37	0.52	0.71	1.01	1.72	2.33	3.75	7.63	11.75

N. Part Name Materials

1	Body	CF8M
2	Ball Seat	R-PTFE (15%)
3	Ball	Stainless Steel 316
4	Body Gasket	PTFE
5	Cap	CF8M
6	Spring Washer	Stainless Steel 304
7	Nut	Stainless Steel 304
8	Bolt	Stainless Steel 304
9	Stem	Stainless Steel 316
10	Thrust Washer	PTFE
11	Stem Packing	PTFE
12	Gland Nut	Stainless Steel 304
13	Handle	Stainless Steel 304
14	Spring Washer	Stainless Steel 304
15	Nut	Stainless Steel 304
16	Lock Device	Stainless Steel 304
17	Handle Cover	Plastic



V1. Dimensions in mm

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ART 803

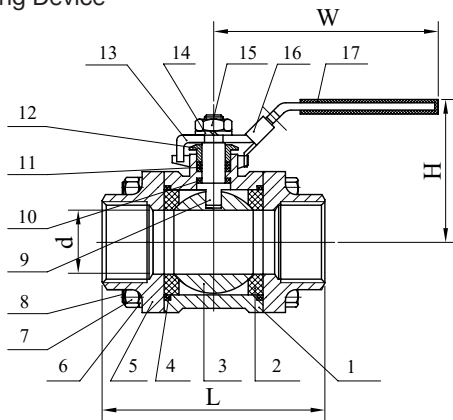
PN82 Carbon Steel

3 Piece Ball Valve



Features

- Screwed BSP Taper (ISO 7/1)
- RPTFE (15%) seats
- PTFE seals
- Full bore
- Locking Device



Technical data

Max pressure: $\frac{1}{4}$ " - 1" 82 Bar
 $1\frac{1}{4}$ " - $1\frac{1}{2}$ " 69 Bar
 2" - 3" 62 Bar

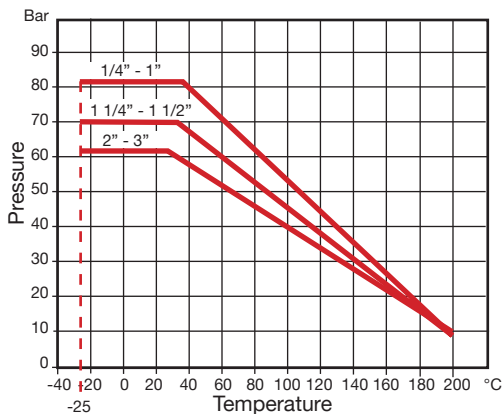
Working temp: -25°C to +200°C

DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
d	11	12.5	15	20	25	32	40	50	65	80
L	50	60	75	80	90	110	120	140	185	205
H	51	51	53	60	75	80	88	95	121	135
W	105	105	118	118	150	150	182	182	254	254
Torque	4	4	5	8	10	14	18	25	48	75
Kv	8.6	21.0	35.0	46.0	72.0	105.0	170.0	275.0	507.0	905.0
Kgs	0.40	0.42	0.45	0.73	1.04	1.65	2.43	3.52	7.14	11.85

N. Part Name

Materials

1	Body	Carbon Steel
2	Ball Seat	R-PTFE (15%)
3	Ball	Stainless Steel 316
4	Body Gasket	PTFE
5	Cap	Carbon Steel
6	Spring Washer	Stainless Steel 304
7	Nut	Stainless Steel 304
8	Bolt	Stainless Steel 304
9	Stem	Stainless Steel 316
10	Thrust Washer	PTFE
11	Stem Packing	PTFE
12	Gland Nut	Stainless Steel 304
13	Handle	Stainless Steel 304
14	Spring Washer	Stainless Steel 304
15	Nut	Stainless Steel 304
16	Lock Device	Stainless Steel 304
17	Handle Cover	Plastic



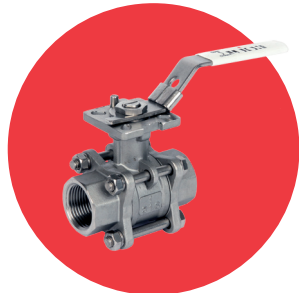
V1. Dimensions in mm

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ART 993H

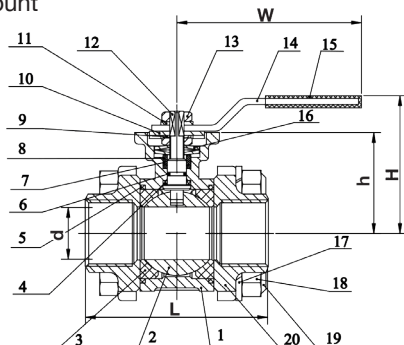
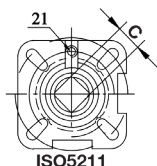
PN82 Stainless Steel

3 Piece Ball Valve ISO5211



Features

- BSP Taper (ISO 7/1)
- Full bore
- PN82 rated
- ISO 5211 direct mount
- Locking device



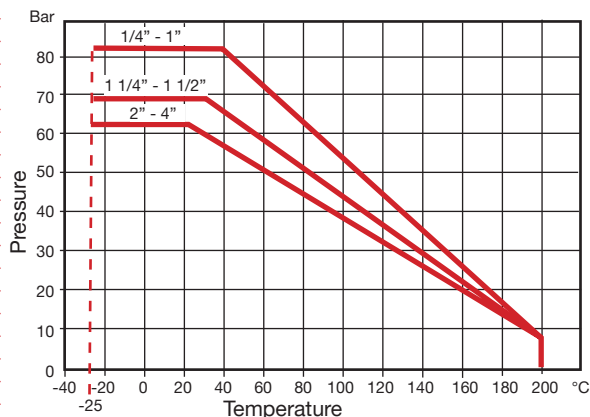
Technical data

Max pressure: $\frac{1}{4}'' - 1''$ 82 Bar
 $1\frac{1}{4}'' - 1\frac{1}{2}''$ 69 Bar
 $2'' - 4''$ 62 Bar

Working temp: -25°C to +200°C

DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
d	11	12.5	15	20	25	32	40	50	65	80	100
L	50	60	75	80	90	110	120	140	185	205	240
H	59	59	70	78	87	98	104	112	140	153	166
h	32.5	32.5	42.0	50.0	58.0	64.0	69.5	78.0	100.0	112.5	112.5
W	115	115	117	134	134	203	203	203	255	255	302
C	9	9	9	11	11	14	14	14	17	17	17
ISO5211	F03	F03	F03/F04	F04/F05	F04/F05	F05/F07	F05/F07	F05/F07	F07/F10	F07/F10	F07/F10
Torque	4	4	5	8	10	14	18	25	48	75	110
Kv	8.6	21.0	35.0	46.0	72.0	105.0	170.0	275.0	507.0	905.0	1414.0
Kgs	0.46	0.48	0.55	0.89	1.27	2.04	3.00	3.80	7.80	12.40	20.80

N.	Part Name	Materials
1	Body	CF8M
2	Ball	Stainless Steel 316
3	Ball Seat	R-PTFE (15%)
4	Thrust Washer	PTFE
5	Body Gasket	PTFE
6	O-Ring	Viton
7	Stem Packing	PTFE
8	Gland	Stainless Steel 304
9	Tab Washer	Stainless Steel 304
10	Stopper	Stainless Steel 304
11	Spring Washer	Stainless Steel 304
12	Stem	Stainless Steel 316
13	Nut	Stainless Steel 304
14	Handle	Stainless Steel 304
15	Handle Cover	Plastic
16	Belleville Washer	Stainless Steel 301
17	Spring Washer	Stainless Steel 304
18	Nut	Stainless Steel 304
19	Bolt	Stainless Steel 304
20	Cap	CF8M
21	Stop Pin	Stainless Steel 304



V1. Dimensions in mm

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ART 994 PRS

Stainless Steel 3 Piece Press

Ball Valve ISO5211

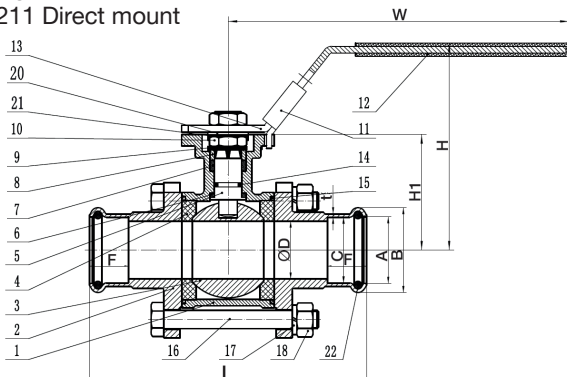


Features

- Dedicated M Profile
- Full Bore
- Locking device
- ISO5211 Direct mount



ISO 5211



Technical data

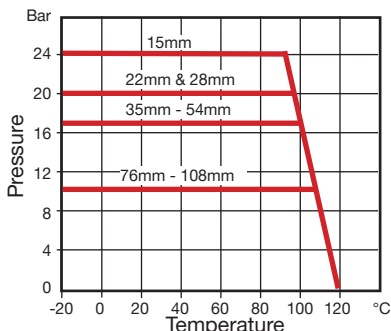
Max pressure: 15mm 24 Bar
 22mm & 28mm 20 Bar
 35mm - 54mm 17 Bar
 76mm - 108mm 10 Bar

Working temp: -20°C to +120°C

DN	15	22	28	35	42	54	76	88	108
L	87	100.6	130	143.2	158	186	251.4	274.7	329.2
W	141	141	162	162	188	188	233	233	330
H	75	81	93	98	109	124	151	160	172
A	15.7	22.9	28.8	35.8	42.7	54.7	79	92	112
B	22.7	30.8	36.7	43.7	52.7	64.7	94.5	108	131.2
C	15.3	22.3	28.4	35.4	42.4	54.5	77.1	89.9	109.2
D	12.5	20	25	32	38	50	64.5	76	94
F	20	21	23	27.5	31.6	36.6	61.6	66.6	81.7
t	1.5	1.5	1.5	1.5	1.5	1.5	2	2	2
ISO5211	F03/F04	F03/F04	F04/F05	F04/F05	F05/F07	F05/F07	F07/F010	F07/F010	F07/F010
H1	42	48	55	60	70	85	105	114	128
K	9	9	11	11	14	14	17	17	17
Torque	5	7	10	12	20	32	60	90	100
Kv	19	48	79	129	183	316	372	517	846
Kgs	0.47	0.68	1.08	1.72	2.43	3.92	7.85	11.68	22.41

N.	Part Name	Materials
1	Body	CF8M
2	Cap	CF8M
3	Ball	Stainless Steel 316
4	Seat	RPTFE (15%)
5	Stem	Stainless Steel 316
6	Thrust Washer	PTFE
7	Stem Packing	PTFE
8	Bushing	Stainless Steel 304
9	Belleville Washer	Stainless Steel 304
10	Stem Nut	Stainless Steel 304
11	Lock Device	Stainless Steel 304
12	Handle Cover	Plastic
13	Handle	Stainless Steel 304
14	O-Ring	NBR
15	Seal	PTFE
16	Bolt	Stainless Steel 304
17	Spring Washer	Stainless Steel 304
18	Bolt Nut	Stainless Steel 304
19	Stop Pin	Stainless Steel 304

20	Washer	Stainless Steel 304
21	Lug Washer	Stainless Steel 304
22	O-Ring	EPDM



V1. Dimensions in mm

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ART 995T

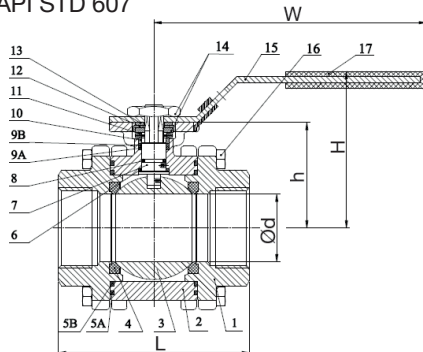
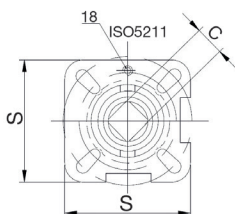
Stainless Steel Fire Safe

3 Piece Ball Valve



Features

- BSP Taper (ISO 7/1)
- Full bore
- ISO direct mount
- TUV certified to API STD 607
- Anti static device
- Fire safe & anti static
- Locking device



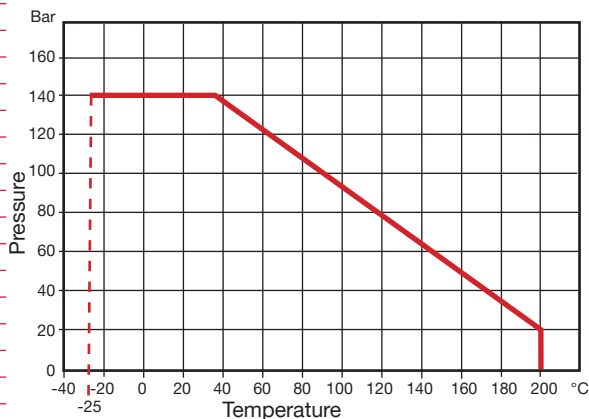
Technical data

Max pressure: 140 Bar

Working temp: -25°C to +200°C

DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
d	15	20	25	32	40	50	65	80	100
L	75	80	90	110	120	140	185	205	240
H	70	78	87	98	104	112	140	153	166
h	42	50	58	64	69.5	78	100	112.5	125.5
W	117	134	134	203	203	203	255	255	302
C	9	11	11	14	14	14	17	17	17
ISO5211	F03/F04	F04/F05	F04/F05	F05/F07	F05/F07	F05/F07	F07/F10	F07/F10	F07/F10
N.m	5	8	10	14	18	25	48	75	110
S	42.6	50.0	50.0	64.5	64.5	64.5	93.6	93.6	93.6
Kv	35.0	46.0	72.0	105.0	170.0	275.0	507.0	905.0	1414.0
Kgs	0.55	0.96	1.41	2.19	3.26	4.13	8.58	13.30	22.30

N.	Part Name	Materials
1	Cap	CF8M
2	Body	CF8M
3	Ball	Stainless Steel 316
4	Ball Seat	Pure PTFE
5A/B	Body Gasket A/B	Pure Graphite
6	Thrust Washer	Pure PTFE
7	Stem	Stainless Steel 316
8	O-Ring	VITON
9A/B	Stem Packing A/B	Pure Graphite
10	Gland	Stainless Steel 304
11	Belleville	Stainless Steel 301
12	Nut Stopper	Stainless Steel 304
13	Tap Washer	Stainless Steel 304
14	Nut	ASTM A194 7
15	Handle	Stainless Steel 304
16	Bolt	ASTM A193 B7
17	Handle Cover	Plastic
18	Stop Pin	Stainless Steel 304



V1. Dimensions in mm

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ART 995NPT

Stainless Steel Fire Safe

3 Piece Ball Valve



Features

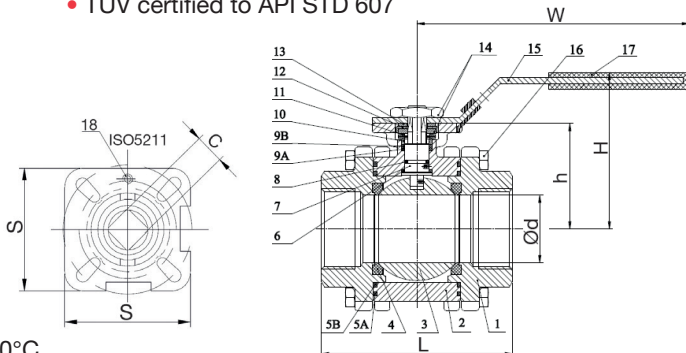
- NPT Ends (ANSI B1.20.1)
- Full bore
- ISO direct mount
- TUV certified to API STD 607
- Anti static device
- Fire safe & anti static
- Locking device



Technical data

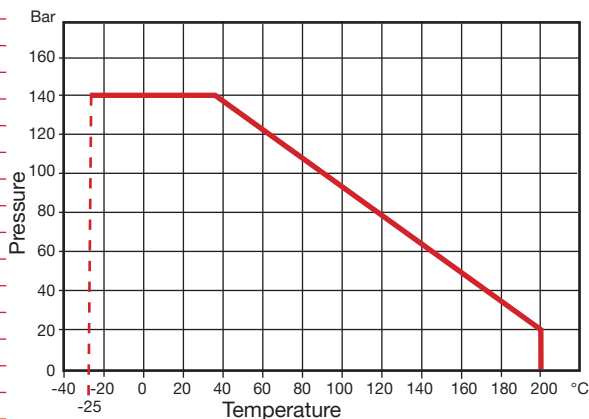
Max pressure: 140 Bar

Working temp: -25°C to +200°C



DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
d	15	20	25	32	40	50	65	80	100
L	75	80	90	110	120	140	185	205	240
H	70	78	87	98	104	112	140	153	166
h	42	50	58	64	69.5	78	100	112.5	125.5
W	117	134	134	203	203	203	255	255	302
C	9	11	11	14	14	14	17	17	17
ISO5211	F03/F04	F04/F05	F04/F05	F05/F07	F05/F07	F05/F07	F07/F10	F07/F10	F07/F10
N.m	5	8	10	14	18	25	48	75	110
Kv	35.0	46.0	72.0	105.0	170.0	275.0	507.0	905.0	1414.0
Kgs	0.55	0.96	1.41	2.19	3.26	4.13	8.58	13.30	22.30

N.	Part Name	Materials
1	Cap	CF8M
2	Body	CF8M
3	Ball	Stainless Steel 316
4	Ball Seat	Pure PTFE
5A/B	Body Gasket A/B	Pure Graphite
6	Thrust Washer	Pure PTFE
7	Stem	Stainless Steel 316
8	O-Ring	Viton
9A/B	Stem Packing A/B	Pure Graphite
10	Gland	Stainless Steel 304
11	Belleville Washer	Stainless Steel 301
12	Nut Stopper	Stainless Steel 304
13	Tap Washer	Stainless Steel 304
14	Nut	ASTM A194 7
15	Handle	Stainless Steel 304
16	Bolt	ASTM A193 B7
17	Handle Cover	Plastic
18	Stop Pin	Stainless Steel 304



V1. Dimensions in mm

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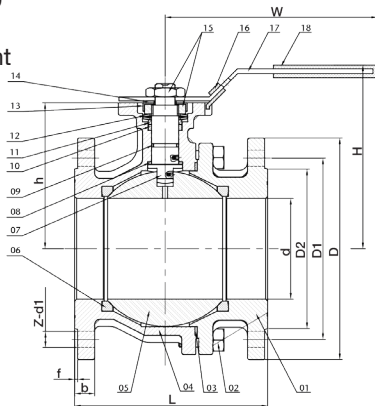
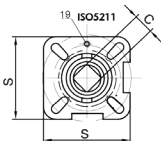
ART 926

PN16/40 Stainless Steel Flanged Ball Valve



Features

- Flanged PN16 / PN40
- Full bore
- ISO 5211 direct mount
- Fire safe design



Technical data

Max pressure: 1/2" to 2" - 40 Bar. 2 1/2" to 4" - 16 Bar.

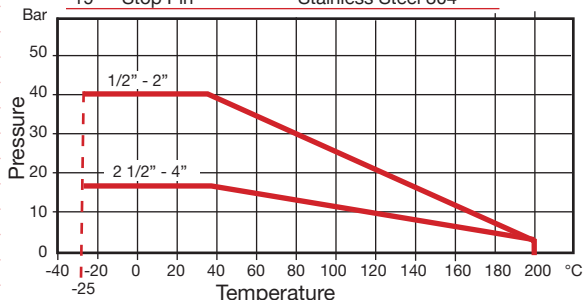
Working temp: -25°C to +200°C

DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
d	15	20	25	32	40	50	65	80	100
L	115	120	125	130	140	150	170	180	190
D	95	105	115	140	150	165	185	200	220
D1	65	75	85	100	110	125	145	160	180
D2	45	58	68	78	88	102	122	138	158
b	16	18	18	18	18	20	18	20	20
f	2	2	2	2	3	3	3	3	3
H	82	87	90	100	116	125	154	164	180
W	117	117	164	164	203	203	255	255	302
C	9	9	11	11	14	14	17	17	17
ISO5211	F03/F04	F03/F04	F04/F05	F04/F05	F05/F07	F05/F07	F07/F10	F07/F10	F07/F10
Z-d1	4-Ø14	4-Ø14	4-Ø14	4-Ø18	4-Ø18	4-Ø18	4-Ø18	8-Ø18	8-Ø18
h	48.0	53.0	58.5	71.0	76.5	85.0	100.0	112.5	125.5
s	42.6	42.6	50.0	50.0	64.5	64.5	93.6	93.6	93.6
Torque	5	8	10	14	18	25	48	75	110
Kv	35	46	72	105	170	275	507	905	1414
Kgs	2.08	2.80	3.73	5.18	6.56	8.90	13.40	18.20	25.70

* Torque - Raw torque with no safety added

N.	Part Name	Materials
1	Cap	CF8M
2	Bolt	Stainless Steel 304
3	Body Gasket	PTFE
4	Body	CF8M
5	Ball	Stainless Steel 316
6	Ball Seat	R-PTFE (15%)
7	Stem	Stainless Steel 316
8	Thrust Washer	PTFE
9	O-Ring	Viton
10	Stem Packing	PTFE
11	Packing Ring	Stainless Steel 304
12	Belleville Washer	Stainless Steel 301
13	Nut Stopper	Stainless Steel 304
14	Plate Washer	Stainless Steel 304
15	Nut	Stainless Steel 304

N.	Part Name	Materials
16	Lock Device	Stainless Steel 304
17	Handle	Stainless Steel 304
18	Plastic Cover	Plastic
19	Stop Pin	Stainless Steel 304

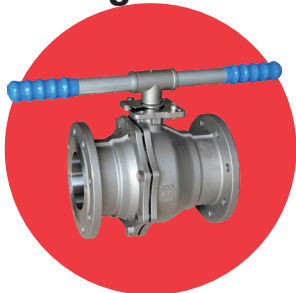


V1. Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

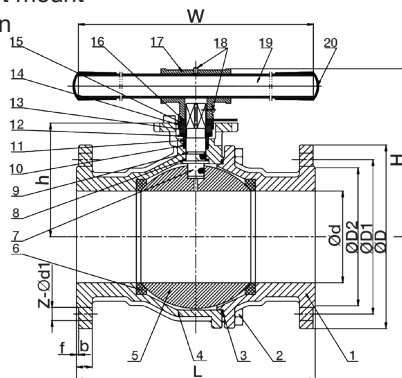
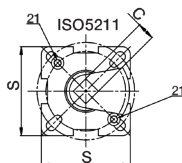
ART 926 5"-8"

PN16 Stainless Steel Flanged Ball Valve



Features

- Flanged PN16
- Full bore
- ISO 5211 direct mount
- Fire safe design



Technical data

Max pressure: 16 Bar

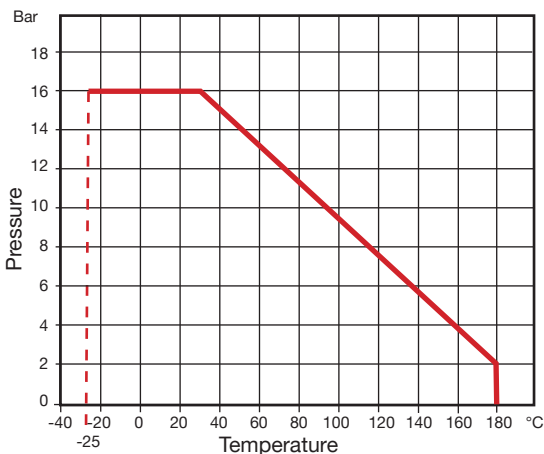
Working temp: -25°C to +180°C

DN	5"	6"	8"
d	125	150	200
L	325	350	400
D	250	285	340
D1	210	240	295
D2	188	212	268
b	22	22	24
f	3	3	3
H	228	246	310

DN	5"	6"	8"
W	600	600	800
C	22	22	27
ISO5211	F10/F12	F10/F12	F12/F14
Z-d1	8-Ø18	8-Ø22	12-Ø22
h	155.0	172.5	217.0
s	114	114	131
Torque	200	300	400
Kv	2520	3950	5705
Kgs	48.43	68.00	118.17

* Torque - Raw torque with no safety added

N.	Part Name	Materials
1	Cap	CF8M
2	Bolt	Stainless Steel 304
3	Body Gasket	PTFE
4	Body	CF8M
5	Ball	Stainless Steel 316
6	Ball Seat	R-PTFE (15%)
7	Stem	Stainless Steel 316
8	Thrust Washer	PTFE
9	O-Ring	Viton
10	Stem Packing	PTFE
11	Packing Ring	Stainless Steel 304
12	Belleville Washer	Stainless Steel 301
13	Nut	Stainless Steel 304
14	Nut Stopper	Stainless Steel 304
15	Plate Washer	Stainless Steel 304
16	Lock Device	Stainless Steel 304
17	Sleeve	Stainless Steel 304
18	Jackscrow	Stainless Steel 304
19	Handle	Galvanised Pip
20	Plastic Cover	Plastic
21	Stop Pin	Stainless Steel 304



V1. Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

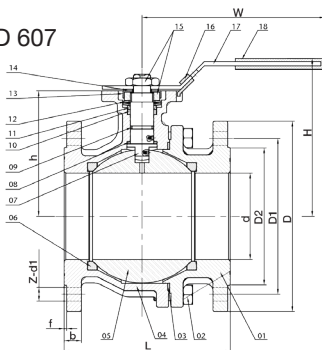
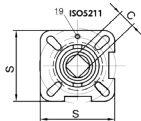
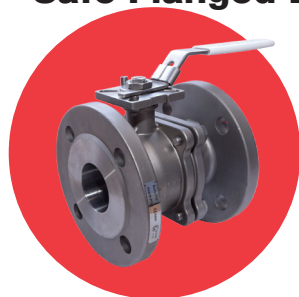
ART 956

PN16/40 Stainless Steel Fire Safe Flanged Ball Valve



Features

- Flanged PN16 / PN40
- Full bore
- ISO 5211 direct mount
- TUV certified to API STD 607
- Anti static device
- Locking device



Technical data

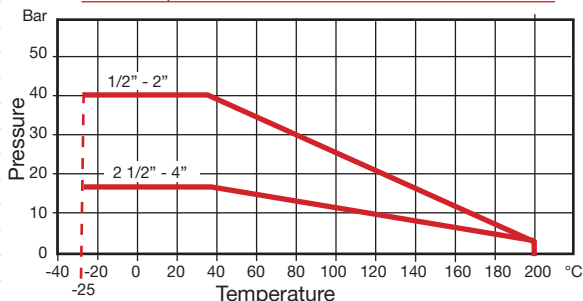
Max pressure: 1/2" to 2" - 40 Bar. 2 1/2" to 4" - 16 Bar.

Working temp: -25°C to +200°C

DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
d	15	20	25	32	40	50	65	80	100
L	115	120	125	130	140	150	170	180	190
D	95	105	115	140	150	165	185	200	220
D1	65	75	85	100	110	125	145	160	180
D2	45	58	68	78	88	102	122	138	158
b	16	18	18	18	18	20	18	20	20
f	2	2	2	2	3	3	3	3	3
H	82	87	90	100	116	125	154	164	180
W	117	117	164	164	203	203	255	255	302
C	9	9	11	11	14	14	17	17	17
ISO5211	F03/F04	F03/F04	F04/F05	F04/F05	F05/F07	F05/F07	F07/F10	F07/F10	F07/F10
Z-d1	4-Ø14	4-Ø14	4-Ø14	4-Ø18	4-Ø18	4-Ø18	4-Ø18	8-Ø18	8-Ø18
h	48.0	53.0	58.5	71.0	76.5	85.0	100.0	112.5	125.5
s	42.6	42.6	50.0	50.0	64.5	64.5	93.6	93.6	93.6
Torque	5	8	10	14	18	25	48	75	110
Kv	35	46	72	105	170	275	507	905	1414
Kgs	2.11	2.12	2.86	5.40	6.74	9.10	14.25	17.88	31.75

N.	Part Name	Materials
1	Cap	CF8M
2	Bolt	Stainless Steel 304
3	Body Gasket	Pure Graphite
4	Body	CF8M
5	Ball	Stainless Steel 316
6	Ball Seat	Pure PTFE
7	Stern	Stainless Steel 316
8	Thrust Washer	Pure PTFE
9	O-Ring	Viton
10	Stem Packing	Pure Graphite
11	Packing Ring	Stainless Steel 304
12	Belleville Washer	Stainless Steel 301
13	Nut Stopper	Stainless Steel 304
14	Plate Washer	Stainless Steel 304
15	Nut	Stainless Steel 304

N.	Part Name	Materials
16	Lock Device	Stainless Steel 304
17	Handle	Stainless Steel 304
18	Plastic Cover	Plastic
19	Stop Pin	Stainless Steel 304



V1. Dimensions in mm

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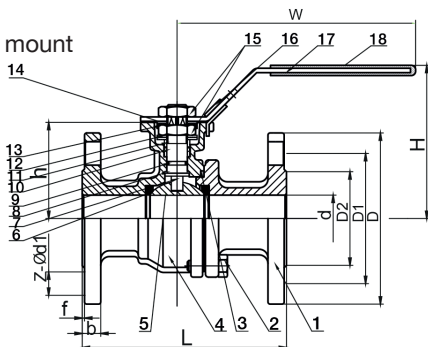
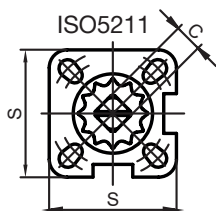
ART 928

ANSI Class 150 Stainless Steel Ball Valve



Features

- Flanged ANSI 150 (ASME B16.34)
- Class 150 rated
- Full bore
- ISO 5211 direct mount



Technical data

Max pressure: 20 Bar

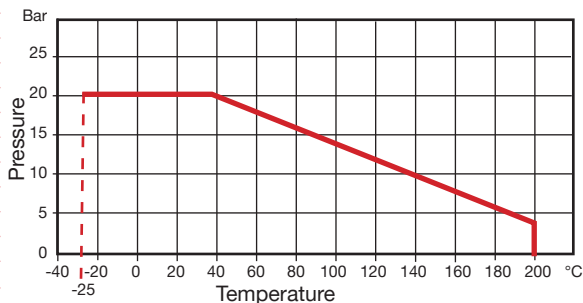
Working temp: -25°C to +200°C

DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
d	15	20	25	32	38	50	65	76	94
L	108	117	127	140	165	178	190	203	229
D	89	98	108	117	127	152	178	190	229
D1	60.5	70.0	79.5	89.0	98.5	120.5	139.5	152.5	190.5
D2	35	43	51	64	73	92	105	127	157
b	10	11	11	13	15	16	18	19	24
f	2	2	2	2	2	2	2	2	2
H	80	85	95	108	114	124	148	158	191
W	140	140	160	160	185	185	230	230	230
C	9	9	11	11	14	14	17	17	17
ISO5211	F03/F04	F03/F04	F04/F05	F04/F05	F05/F07	F05/F07	F07/F10	F07/F10	F07/F10
Z-Ød1	4-Ø16	4-Ø16	4-Ø16	4-Ø16	4-Ø16	4-Ø19	4-Ø19	4-Ø19	8-Ø19
h	48.3	53.0	58.5	71.0	76.0	84.5	101.5	111.5	141.0
s	42.6	42.6	50.0	50.0	64.5	64.5	93.6	93.6	93.6
Torque	5	8	10	14	18	25	48	75	110
Kv	26.2	34.4	53.9	78.6	127.2	205.8	379.4	677.0	1058.0
Kgs	1.35	1.85	2.60	3.58	5.40	7.95	13.5	17.3	29.5

* Torque - Raw torque with no safety added

N.	Part Name	Materials
1	Cap	CF8M
2	Bolt	Stainless Steel 304
3	Body Gasket	PTFE
4	Body	CF8M
5	Ball	Stainless Steel 316
6	Ball Seat	R-PTFE (15%)
7	Stem	Stainless Steel 316
8	Thrust Washer	PTFE
9	O-Ring	Viton
10	Stem Packing	PTFE
11	Packing Ring	Stainless Steel 301
12	BelleVille Washer	Stainless Steel 301
13	Nut Stopper	Stainless Steel 304
14	Plate Washer	Stainless Steel 304
15	Nut	Stainless Steel 304
16	Lock Device	Stainless Steel 304

N.	Part Name	Materials
17	Handle	Stainless Steel 304
18	Plastic Cover	Plastic
19	Stop Pin	Stainless Steel 304



V2 Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

ART 958

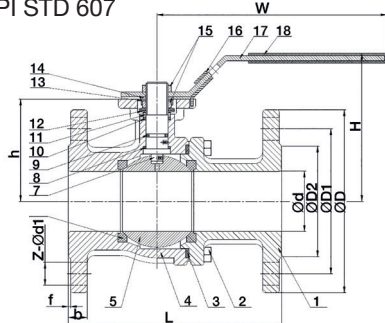
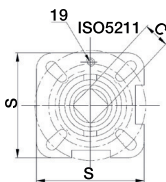
ANSI Class 150 Stainless Steel

Fire Safe Ball Valve



Features

- Flanged ANSI 150 (ASME B16.34)
- Anti static device
- ISO 5211 direct mount
- TUV certified to API STD 607
- Locking device
- Full bore



Technical data

Max pressure: 20 Bar

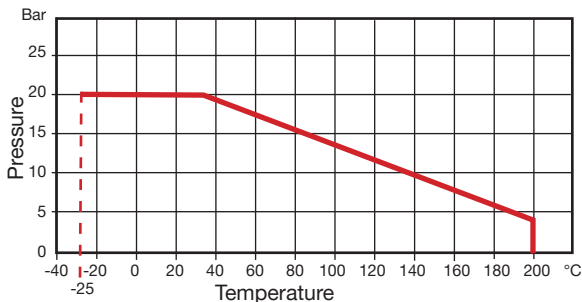
Working temp: -25°C to +200°C

DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
d	15	20	25	32	40	50	65	80	100
L	108	117	127	140	165	178	190	203	229
D	89	98	108	117	127	152	178	190	229
D1	60.5	70.0	79.5	89.0	98.5	120.5	139.5	152.5	190.5
D2	35	43	51	64	73	92	105	127	157
b	11	11	12	13	15	16	18	19	24
f	2	2	2	2	2	2	2	2	2
H	82	87	90	100	116	125	154	164	180
W	117	117	164	164	203	203	255	255	302
C	9	9	11	11	14	14	17	17	17
ISO5211	F03/F04	F03/F04	F04/F05	F04/F05	F05/F07	F05/F07	F07/F10	F07/F10	F07/F10
Z-Ød1	4-Ø15	4-Ø15	4-Ø15	4-Ø15	4-Ø15	4-Ø19	4-Ø19	4-Ø19	8-Ø19
h	48.0	53.0	58.5	71.0	76.5	85.0	100.0	112.5	125.5
s	42.6	42.6	50.0	50.0	64.5	64.5	93.6	93.6	93.6
Torque	5	8	10	14	18	25	48	75	110
Kv	26.2	34.4	53.9	78.6	127.2	205.8	379.4	677	1058
Kgs	1.48	2.04	2.86	3.94	5.94	7.61	13.20	17.10	29.20

* Torque - Raw torque with no safety added

N.	Part Name	Materials
1	Cap	CF8M
2	Bolt	Stainless Steel 304
3	Body Gasket	Pure Graphite
4	Body	CF8M
5	Ball	Stainless Steel 316
6	Ball Seat	Pure PTFE
7	Stem	Stainless Steel 316
8	Thrust Washer	Pure PTFE
9	O-Ring	Viton
10	Stem Packing	Pure Graphite
11	Packing Ring	Stainless Steel 304
12	Belleville Washer	Stainless Steel 301
13	Nut Stopper	Stainless Steel 304
14	Plate Washer	Stainless Steel 304
15	Nut	Stainless Steel 304
16	Lock Device	Stainless Steel 304

N.	Part Name	Materials
17	Handle	Stainless Steel 304
18	Plastic Cover	Plastic
19	Stop Pin	Stainless Steel 304



V2 Dimensions in mm

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ART 987T

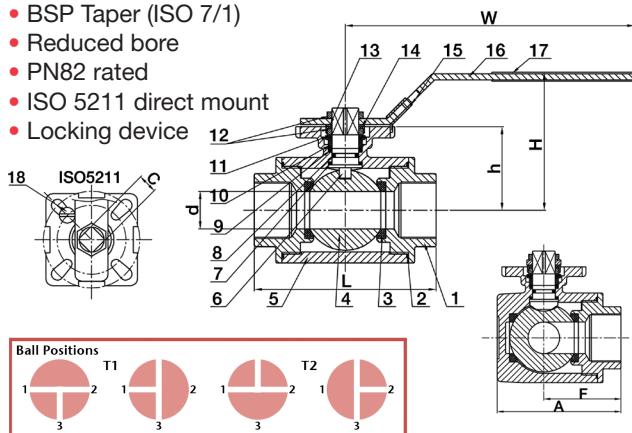
PN82 Stainless Steel

'T' Port Ball Valve



Features

- BSP Taper (ISO 7/1)
- Reduced bore
- PN82 rated
- ISO 5211 direct mount
- Locking device



Technical data

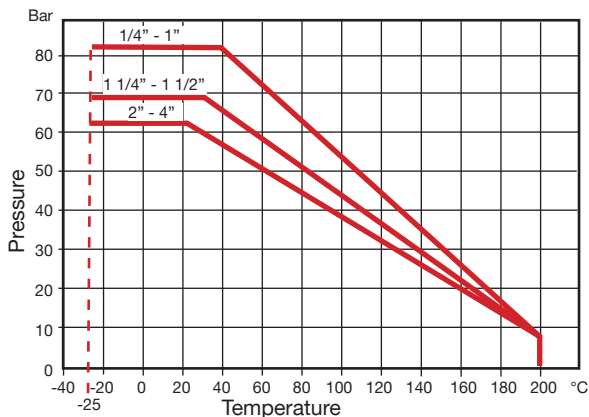
Working temp: -25°C to +200°C

Max pressure: 1/4" - 1" 82 Bar. 1 1/4" - 1 1/2" 69 Bar. 2" - 4" 62 Bar.

DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
d	9.5	11.0	12.0	15.0	20.0	25.0	32.0	40.0	49.0	60.0	75.0
L	75	75	75	85	100	122	131	158	178	202	246
H	66	66	66	72	77	92	96	107	135	147	160
W	130	130	130	161	161	203	203	203	254	254	310
h	36.8	36.8	36.8	41.2	46.5	56.0	60.0	70.5	95.5	106.0	119.0
F	37.5	37.5	37.5	42.5	50.0	61.0	65.5	79.0	89.0	101.0	123.0
A	57.5	57.5	57.5	65.5	79.0	97.0	106.5	129.0	145.0	167.0	203.0
C	9	9	9	11	11	14	14	14	17	17	17
ISO5211	F03/F04	F03/F04	F03/F04	F04/F05	F04/F05	F05/F07	F05/F07	F05/F07	F07/F10	F07/F10	F07/F10
Torque	8	8	8	9	15	20	30	45	60	90	120
Kv	1.7	2.9	3.6	5.8	8.8	14.7	24.8	40.1	69.2	98.0	151.1
Kgs	0.70	0.67	0.63	0.94	1.39	2.91	3.66	6.31	8.95	13.11	22.10

N.	Part Name	Materials
1	Cap	CF8M
2	Gasket	PTFE
3	Ball Seat	R-PTFE (15%)
4	Ball	Stainless Steel 316
5	Body	CF8M
6	Stem	Stainless Steel 316
7	Thrust Washer	PTFE
8	O-Ring	Viton
9	Stem Packing	PTFE
10	Stem Ring	Stainless Steel 316
11	Belleville Washer	Stainless Steel 301
12	Nut	Stainless Steel 304
13	Plate Washer	Stainless Steel 304
14	Nut Stopper	Stainless Steel 304
15	Lock Device	Stainless Steel 304
16	Handle	Stainless Steel 304
17	Handle Sleeve	Plastic
18	Stop Pin	Stainless Steel 304

* Torque - Raw torque with no safety added



V1. Dimensions in mm

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ART 988L

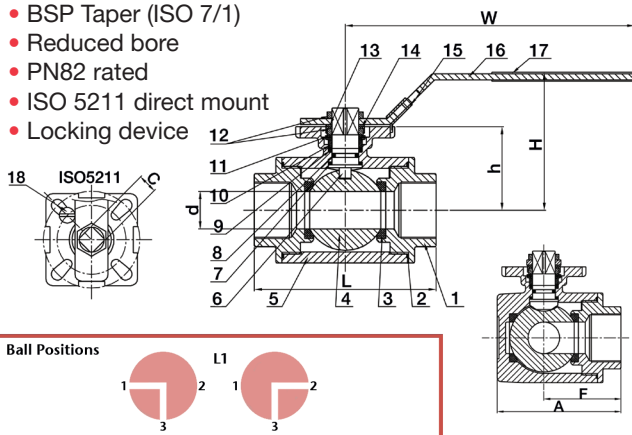
PN82 Stainless Steel

'L' Port Ball Valve



Features

- BSP Taper (ISO 7/1)
- Reduced bore
- PN82 rated
- ISO 5211 direct mount
- Locking device



Technical data

Working temp: -25°C to +200°C

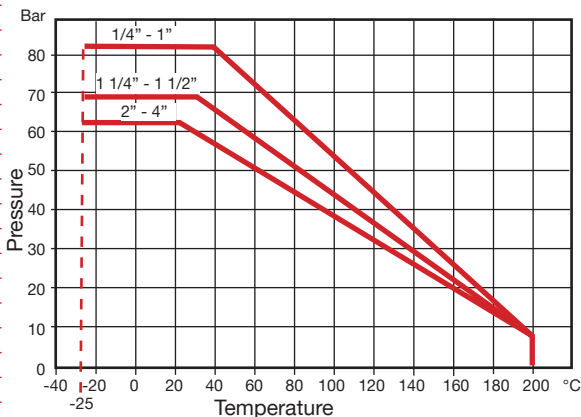
Max pressure: 1/4" to 1" 82 Bar. 1 1/4" to 1 1/2" 69 Bar. 2" to 4" 62 Bar.

DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
d	9.5	11.0	12.0	15.0	20.0	25.0	32.0	40.0	49.0	60.0	75.0
L	75	75	75	85	100	122	131	158	178	202	246
H	66	66	66	72	77	92	96	107	135	147	160
W	130	130	130	161	161	203	203	203	254	254	310
h	36.8	36.8	36.8	41.2	46.5	56.0	60.0	70.5	95.5	106.0	119.0
F	37.5	37.5	37.5	42.5	50.0	61.0	65.5	79.0	89.0	101.0	123.0
A	57.5	57.5	57.5	65.5	79.0	97.0	106.5	129.0	145.0	167.0	203.0
C	9	9	9	11	11	14	14	14	17	17	17
ISO5211	F03/F04	F03/F04	F03/F04	F04/F05	F04/F05	F05/F07	F05/F07	F05/F07	F07/F10	F07/F10	F07/F10
Torque	8	8	8	9	15	20	30	45	60	90	120
Kv	2.3	3.9	4.8	5.1	11.8	19.6	33.2	53.7	92.5	131	202
Kgs	0.70	0.67	0.63	0.94	1.39	2.91	3.66	6.31	8.95	13.11	22.10

N. Part Name Materials

1	Cap	CF8M
2	Gasket	PTFE
3	Ball Seat	R-PTFE (15%)
4	Ball	Stainless Steel 316
5	Body	CF8M
6	Stem	Stainless Steel 316
7	Thrust Washer	PTFE
8	O-Ring	Viton
9	Stem Packing	PTFE
10	Stem Ring	Stainless Steel 316
11	Belleville Washer	Stainless Steel 301
12	Nut	Stainless Steel 304
13	Plate Washer	Stainless Steel 304
14	Nut Stopper	Stainless Steel 304
15	Lock Device	Stainless Steel 304
16	Handle	Stainless Steel 304
17	Handle Sleeve	Plastic
18	Stop Pin	Stainless Steel 304

* Torque - Raw torque with no safety added



V1. Dimensions in mm

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-

Working temp: -10°C to +150°C

Drawing represents 15-150mm. For 200mm drawing contact the sales office.

DN	15	20	25	32	40	50	65	80	100	125	150	200
P	15	20	25	32	40	50	63	76	95	120	145	190
A	115	120	125	130	140	150	170	180	190	200	210	400
H	84	84	96	101	125	135	143	165	180	225	243	320
H1	50.5	52.0	59.0	64.0	78.5	87.0	95.0	118.0	132.5	165.0	182.5	230.0
B	160	160	170	170	230	230	230	280	360	450	560	1000
C	95	105	115	140	150	165	185	200	220	250	285	340
ISO 5211	F04	F04	F04	F04	F05	F05	F05	F07	F07	F10	F10	F12
J	42	42	42	42	50	50	50	70	70	102	102	125
N° x Øq	4x6	4x6	4x6	4x6	4x7	4x7	4x7	4x9	4x9	4x11	4x11	4x13
E	11.5	11.5	14.5	14.5	17.5	17.5	17.5	20.0	20.0	24.5	24.5	27.0
S	9	9	11	11	14	14	14	17	17	22	22	27
Torque*	15	15	18	18	18	20	40	70	100	180	250	600
Kv	22.3	47.7	83.5	150.4	255	435	672	947	1508	2633	4261	5957
Kgs	2.6	3.3	4.2	5.8	7.5	9.0	10.5	15.5	18.5	28.0	38.5	93.0

* Torque - Raw torque with no safety added

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ART 280

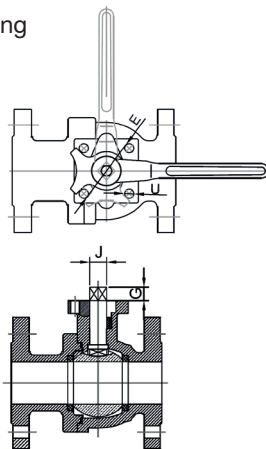
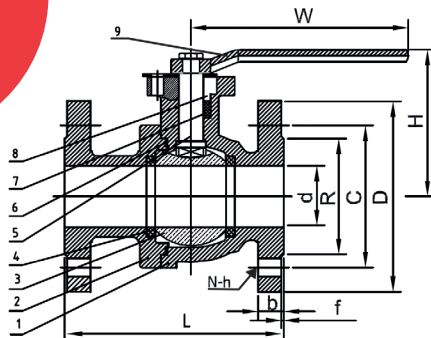
Ductile Iron Ball Valve

Flanged Ends



Features

- Flanged mounting PN16 only
- ISO 5211 direct mount
- Inside and outside epoxy coating
- Blow-out proof stem



Technical data

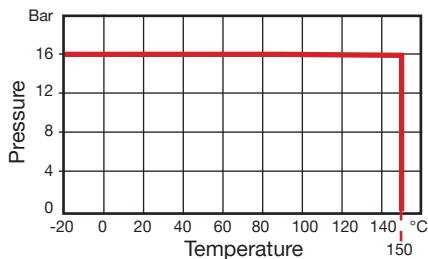
Max pressure: 16 Bar

Working temp: -20°C to +150°C

DN	25	32	40	50	65	80	100	125	150	200
d	25	32	40	50	65	80	100	125	150	200
L	125	130	140	150	170	180	190	200	210	400
D	115	140	150	165	185	200	220	250	285	340
C	85	100	110	125	145	160	180	210	240	295
R	65	76	84	99	118	132	156	184	211	266
b	16	18	18	18	19	19	19	19	19	22
f	2	2	2	2	2	2	2	2	2	2
N	4	4	4	4	4	8	8	8	8	12
h	14	19	19	19	19	19	19	19	23	23
E	50	70	70	70	70	70	102	102	125	140
U	8	10	10	10	10	10	12	12	18	18
W	150	190	190	225	270	300	320	650	760	760
H	110	128	135	145	170	190	220	270	300	330
J	11*11	14*14	14*14	14*14	14*14	17*17	22*22	22*22	27*27	27*27
G	18	18	20	20	22	22	22	35	35	45
Torque (N.M)	15	20	20	25	50	75	120	180	300	600
Kgs	4.0	6.7	7.3	9.5	13.5	15.2	20.6	29.4	36.5	84.8

N. Part Name Materials

1	Body	Ductile Iron
2	Bonnet	Ductile Iron
3	Ball	Stainless Steel 304
4	Seat	PTFE
5	Stem	Stainless Steel 410
6	Gasket	PTFE
7	Stem Packing	PTFE
8	Gland Nut	Carbon Steel
9	Handle	Ductile Iron



V1. Dimensions in mm

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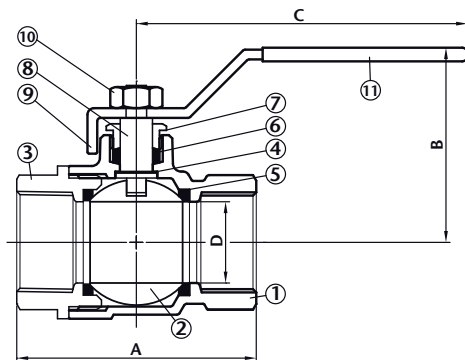
ART 345

PN40 Bronze Ball Valve



Features

- Available in Screwed BSP Taper (ISO 7/1) or NPT (ANSI B1.20.1)
- Full bore
- Anti-blow-out stem
- MSS-SP-110



Technical data

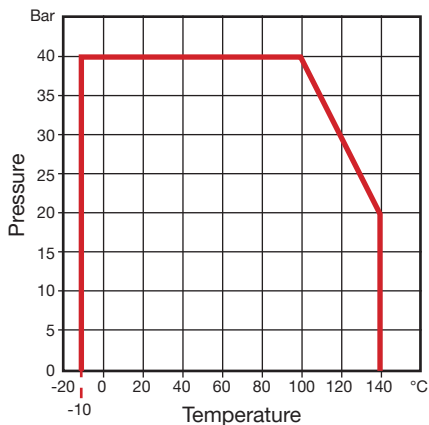
Max pressure: 40 Bar

Working temp: -10°C to +140°C

DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	54.5	62.0	73.1	82.5	91.7	106.5
B	46	55	62	70	75	82
C	82	103	105	106	150	160
D	12.7	19.0	25.0	31.0	38.0	50.0
Kv	8.3	20.0	28.3	41.6	62.4	91.6
Kgs	0.22	0.35	0.56	0.71	1.15	1.92

N.	Part Name	Materials
1	Body	Bronze ASTM B62 C83600
2	Ball*	Brass/Chrome Plated ASTM B16 CA360
3	Cap	Bronze - ASTM B62 C83600
4	Thrust Washer	PTFE
5	Ball Seats	PTFE
6	Stem Packing	PTFE
7	Packing Guard	Brass - ASTM B16 CA360
8	Stem	Brass - ASTM B16 CA360
9	Handle	Steel - ASTM A107
10	Handle Nut	Steel - ASTM A107
11	Sleeve	Vinyl

*1/2" - 3/4" Solid Ball. 1" - 2" Hollow Ball

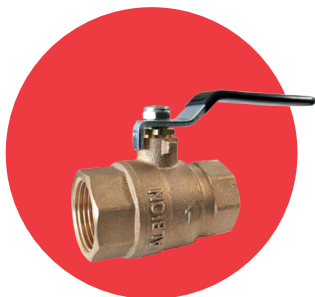


V2 Dimensions in mm

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ART 340

PN40 Bronze Ball Valve



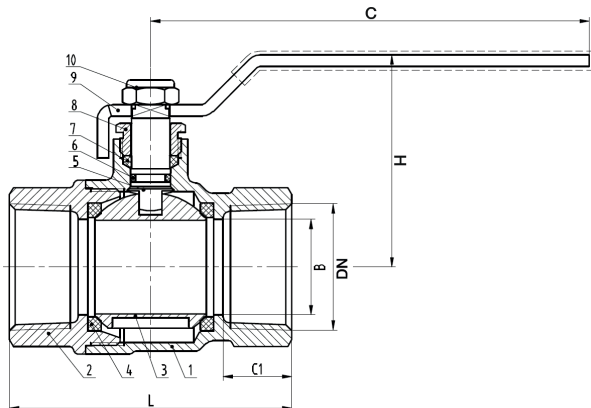
Technical data

Max pressure: 40 Bar

Working temp: -10°C to +140°C

Features

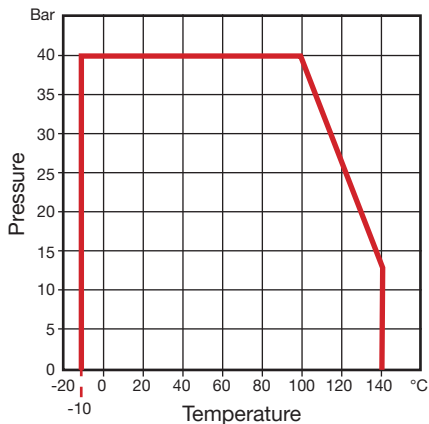
- Available in Screwed BSP Taper (ISO 7/1) or NPT (ANSI B1.20.1)
- Full bore
- Anti-blow-out stem
- MSS-SP-110



DN	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
B	15	20	25	32	40	50
L	54	62	74	85	94	109.5
H	42	51	55	81	87	97
C	95	100	115	141	141	165
C1	14.5	15	18	18.5	18.5	19.5
Kv	13.3	29.1	35.8	73.4	99.5	187.6
Kgs	0.23	0.35	0.54	0.81	1.11	1.77

N. Part Name Materials

1	Body	Bronze ASTM B62 C83600
2	Cap	Bronze ASTM B62 C83600
3	Ball	1/2" to 1" Brass Chrome Plated ASTM CW617N C38000 1.1/4" to 2" Stainless Steel 304 ASTM A240
4	Seat	PTFE
5	Stem	Brass ASTM CW617N C38000
6	O-Ring	NBR N7049 (HA70)
7	Packing	PTFE
8	Packing Nut	Brass Hpb58-2 (C38000) ASTM B455
9	Handle	Steel Q235A A36
10	Hex Nut	Stainless Steel 304 ASTM A240



V1. Dimensions in mm

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