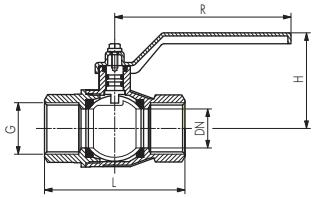
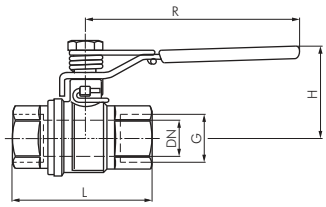
Ball valves



Ball valves, 2-piece, full bore, silicone-free production — up to 80 bar

Materials: Housing: Brass nickel-plated, ball: Brass hard chrome-plated, seal: PTFE, handle: Aluminium die-casting
Temperature range: -20°C to max. +150°C
Operating range: Compressed air, vacuum (max. -0.9 bar), water, oils, non-corrosive liquids and hydrocarbons

Type	G	DN	L	H	R	PN
KH 14 SF	Rp 1/4"	10	47.5	39.5	80	80 bar
KH 38 SF	Rp 3/8"	10	49.5	39.5	80	80 bar
KH 12 SF	Rp 1/2"	15	65.0	41.5	95	80 bar
KH 34 SF	Rp 3/4"	20	73.5	51.0	115	80 bar
KH 10 SF	Rp 1"	25	86.5	55.0	115	80 bar
KH 114 SF	Rp 1 1/4"	32	101.5	64.5	130	64 bar
KH 112 SF	Rp 1 1/2"	40	111.5	75.5	150	64 bar
KH 20 SF	Rp 2"	50	132.5	87.5	170	64 bar
KH 212 SF	Rp 2 1/2"	65	158.0	108.0	170	40 bar
KH 30 SF	Rp 3"	80	181.5	119.5	235	25 bar
KH 40 SF	Rp 4"	100	219.0	142.0	235	16 bar

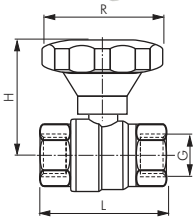


Ball valves with spring return — up to 65 bar

Materials: Housing: Brass nickel-plated, ball: Brass hard chrome-plated, seal: PTFE/FKM, spring: 1.4310, handle: Zinc-plated steel, manufactured without silicone
Temperature range: -40°C to max. +170°C (dependent on operating pressure), fuels -20°C to max. +60°C
Length according to DIN 3202-M3
Operating range: Water, compressed air, vacuum (max. -0.98 bar), oils, fuels (5 bar max.), heating oil
Function: In the basic setting the ball valve is in the closed position. It is opened against the spring force. When releasing the handle it jumps into the "Close" position. Closing should be supported manually (no quick shut-off valve).

Type	G	DN	L	H	R	PN
KH 14 FS	Rp 1/4"	8	50	40	100	65 bar
KH 38 FS	Rp 3/8"	10	60	40	100	65 bar
KH 12 FS	Rp 1/2"	15	75	43	100	65 bar
KH 34 FS	Rp 3/4"	20	80	51	120	40 bar
KH 10 FS	Rp 1"	25	90	55	120	40 bar
KH 114 FS	Rp 1 1/4"	32	110	75	158	40 bar
KH 112 FS	Rp 1 1/2"	40	120	81	158	40 bar
KH 20 FS	Rp 2"	50	140	88	158	40 bar

EN 331 KTW DVGW



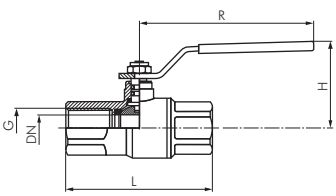
Soft close ball valves, DVGW tested (PN 5/MOP 5) — up to 50 bar

Materials: Housing: Brass nickel-plated, ball: Brass hard chrome-plated, seal: PTFE, handle: GFK turning handle (360° rotatable)
Temperature range: -15°C to max. +120°C, gas: -20°C to max. +60°C
Operating range: Drinking water (DVGW certified to PN 10), water, air, neutral gases, oils, solvents, non-aggressive liquids, gases in accordance with DVGW worksheet (e.g. natural gas, city gas, liquid gas up to PN 5)

Advantage: • To open or close the ball valve, it is necessary to turn the handle 360°. Therefore, a very slow opening and closing is possible: Pressure thrusts are avoided. The scale allows a reproducible flow control.

Type	G	DN	L	H	R	PN*
KH 14 SS	Rp 1/4"	10	49	63	83	50 bar
KH 38 SS	Rp 3/8"	10	51	63	83	50 bar
KH 12 SS	Rp 1/2"	15	61	70	83	50 bar
KH 34 SS	Rp 3/4"	20	70	76	83	50 bar
KH 10 SS	Rp 1"	25	84	80	83	40 bar
KH 114 SS	Rp 1 1/4"	32	98	110	130	40 bar
KH 112 SS	Rp 1 1/2"	40	108	116	130	40 bar
KH 20 SS	Rp 2"	50	130	123	130	40 bar

* for gas up to PN 5 bar/MOP 5, for drinking water up to PN 10 bar/MOP 10

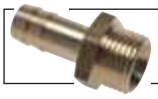


Ball valves, 2-piece, brass, for use in oxygen systems — PN 30

Materials: Housing: Brass nickel-plated, ball: Brass hard chrome-plated, seal: PTFE/NBR, handle: Zinc-plated steel
Temperature range: -10°C to max. +95°C (dependent on operating pressure)
Using a special type of grease makes it suitable for oxygen, its length conforming to DIN 3202-M3
Operating range: Oxygen (industrial), Argon
Delivery: This ball valve is delivered in a heat-sealed plastic bag.

Type	G	DN	L	H	R	PN
KH 14 SAU	Rp 1/4"	8	50	41	70	30 bar
KH 38 SAU	Rp 3/8"	10	60	41	70	30 bar
KH 12 SAU	Rp 1/2"	15	75	43	90	30 bar
KH 34 SAU	Rp 3/4"	20	80	47	90	30 bar
KH 10 SAU	Rp 1"	25	90	72	135	30 bar
KH 114 SAU	Rp 1 1/4"	32	110	75	135	30 bar
KH 112 SAU	Rp 1 1/2"	40	120	82	180	30 bar
KH 20 SAU	Rp 2"	50	140	89	180	30 bar

Lubrication pastes for oxygen applications on page 580



Threaded nozzles from page 64

LOCTITE Liquid seals, gaskets & tapes from page 549

PVC fabric hoses on page 208