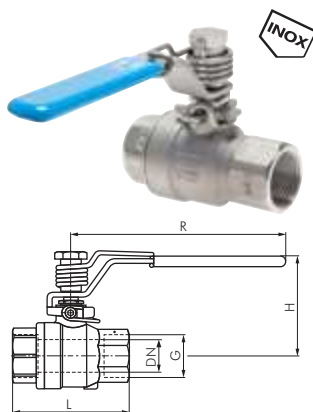


# Ball valves



## Stainless steel ball valves with spring return

PN 63

**Materials:** Housing: AISI 316, ball: AISI 316, seal: PTFE, handle and spring: AISI 304

**Temperature range:** -20°C to max. +180°C (dependent on operating pressure)

Length according to DIN 3202-M3

**Operating range:** Water, steam, oil, compressed air, vacuum (max. -0.9 bar), fuels, solvents, aggressive media

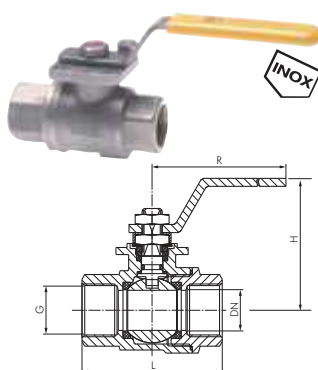
**Function:** In the basic setting the ball valve is in the closed position. It is opened against the spring force.

When releasing the handle it jumps into the "Close" position. Closing should be supported manually (no quick shut-off valve).

**Optional:** Certificate 3.1

Type	G	DN	L	H	R	PN
KH 14 FS ES*	Rp 1/4"	10	60	51	103	63 bar
KH 38 FS ES	Rp 3/8"	12	60	51	103	63 bar
KH 12 FS ES	Rp 1/2"	15	75	53	103	63 bar
KH 34 FS ES	Rp 3/4"	20	80	60	123	63 bar
KH 10 FS ES	Rp 1"	25	90	73	158	63 bar
KH 114 FS ES	Rp 1 1/4"	32	110	79	158	63 bar
KH 112 FS ES	Rp 1 1/2"	38	120	90	190	63 bar
KH 20 FS ES	Rp 2"	50	140	99	190	63 bar

\* length not according to DIN



## Stainless steel ball valves, 2-piece, for use in oxygen systems

PN 20

**Materials:** Housing: AISI 316, ball: AISI 316, seal: PTFE, handle: AISI 304

**Temperature range:** -20°C to max. +150°C

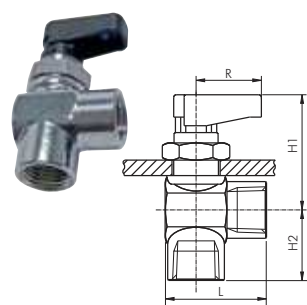
Assembly flange conforming to ISO 5211

**Operating range:** Oxygen (industrial), vacuum (max. -0.9 bar)

**Optional:** Certificate 3.1

**Delivery:** This ball valve is delivered in a heat-sealed plastic bag.

Type	G	DN	L	H	R	PN	ISO 5211
KH 38 SAU ES	Rp 3/8"	10	50	52	110	20 bar	F 03
KH 12 SAU ES	Rp 1/2"	15	60	55	110	20 bar	F 03
KH 34 SAU ES	Rp 3/4"	20	70	66	140	20 bar	F 03
KH 10 SAU ES	Rp 1"	25	85	70	140	20 bar	F 03
KH 114 SAU ES	Rp 1 1/4"	32	95	85	180	20 bar	F 04
KH 112 SAU ES	Rp 1 1/2"	40	105	91	180	20 bar	F 04
KH 20 SAU ES	Rp 2"	50	125	105	230	20 bar	F 05



## Angle ball valves with one-sided toggle grip, compact

PN 20

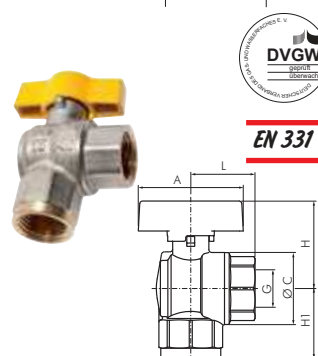
**Materials:** Body: Brass chrome-plated, ball: Brass chrome-plated, seal: PTFE/NBR

**Temperature range:** -20°C to max. +80°C

**Operating range:** Water (no steam), neutral, gaseous and non-aggressive, liquid media, mineral oils, compressed air, vacuum (max. -0.99 bar)

**Switch panel mounting:** Hole diameter: 14.5mm, sheet metal thickness: Max. 4.5mm

Type	G	DN	L	H1	H2	R
KHWC 18	G 1/8"	5	28.5	33.5	15.5	19
KHWC 14	G 1/4"	5	28.5	33.5	17.5	19
KHWC 38	G 3/8"	7	31.0	35.0	19.5	19



## Angle ball valves, DVGW tested (PN 5/MOP 5)

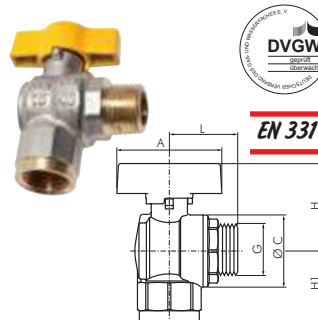
PN 40

**Materials:** Housing: Brass nickel-plated, ball: Brass chrome-plated, seal: PTFE/NBR, handle: Aluminium

**Temperature range:** Liquid media -15°C to max. +100°C, gas: -20°C to max. +60°C

**Operating range:** Liquid and gaseous, neutral media, gases according to DVGW worksheet (e.g. natural gas, city gas, liquid gas up to 5 bar)

Type	G	DN	A	H	H1	L	ØC
KHW 12 B	Rp 1/2"	15	47	38	33	31	31
KHW 34 B	Rp 3/4"	20	56	46	38	35	39
KHW 10 B	Rp 1"	25	56	50	46	42	48



## Screw-in angle ball valves, DVGW tested (PN 5/MOP 5)

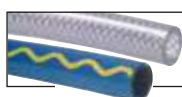
PN 40

**Materials:** Housing: Brass nickel-plated, ball: Brass chrome-plated, seal: PTFE/NBR, handle: Aluminium

**Temperature range:** Liquid media -15°C to max. +100°C, gas: -20°C to max. +60°C

**Operating range:** Liquid and gaseous, neutral media, gases according to DVGW worksheet (e.g. natural gas, city gas, liquid gas up to 5 bar)

Type	G	DN	A	H	H1	L	ØC
KHW 12 B IA	R/Rp 1/2"	15	47	38	33	37	31
KHW 34 B IA	R/Rp 3/4"	20	56	46	38	43	39
KHW 10 B IA	R/Rp 1"	25	56	50	46	42	48



Compressed air and water hoses from page 208



LOCTITE Liquid seals, gaskets & tapes from page 549



Threaded nozzles & hose nozzles from page 64