

# Ball valves with forced exhaust

## Mini ball valves with forced exhaust

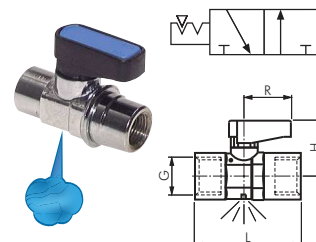
PN 20

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

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

**Operating range:** For breathing and venting of compressed air systems, pressure gauges, etc. For the medium of air, water, vacuum (max. -0.99 bar)

Type	G	DN	L	H	R	Venting borehole
KH 18 MK ENTLEER	G 1/8"	5.5	35	21	19	2.5
KH 14 MK ENTLEER	G 1/4"	5.5	37	21	19	2.5
KH 38 MK ENTLEER	G 3/8"	8.0	42	22	19	3.0



## Ball valves, 2-piece, with forced exhaust (captured)

PN 14

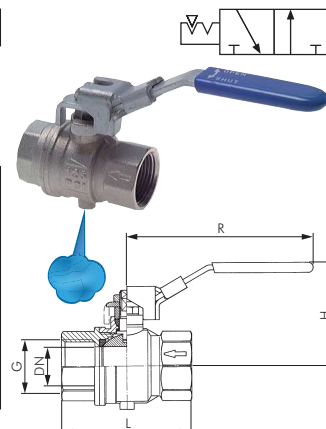
**Materials:** Housing: Brass nickel-plated, ball: Brass hard chrome-plated, seal: PTFE, manufactured without silicone

**Temperature range:** -10°C to max. +100°C (dependent on operating pressure)

Lockable hand lever, please order the padlocks separately (see page 641).

**Operating range:** For breathing and venting of compressed air systems, pressure gauges, etc. For the medium of air, water, vacuum (max. -0.98 bar)

Type	G	Venting thread	DN	L	H	R	Matching silencer
KH 14 ENTLEER	G 1/4"	M 5	8	45	49	96	SD 50
KH 38 ENTLEER	G 3/8"	M 5	10	45	49	96	SD 50
KH 12 ENTLEER	G 1/2"	M 5	15	59	51	96	SD 50
KH 34 ENTLEER	G 3/4"	M 5	20	64	60	117	SD 50
KH 10 ENTLEER	G 1"	M 5	25	81	64	117	SD 50
KH 114 ENTLEER	G 1 1/4"	G 1/4"	32	93	80	157	SD 14
KH 112 ENTLEER	G 1 1/2"	G 1/4"	40	102	86	157	SD 14
KH 20 ENTLEER	G 2"	G 1/4"	50	121	93	157	SD 14



## Stainless steel ball valves, 2-piece, with forced exhaust (captured)

PN 16

**Materials:** Housing: AISI 316, ball: AISI 316, seal: PTFE (15% GF)

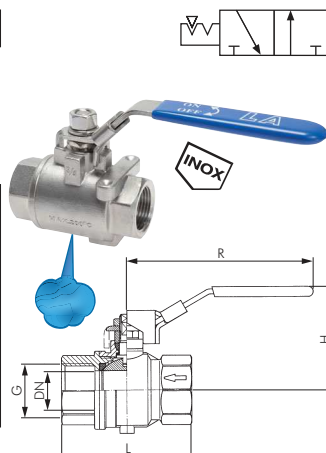
**Temperature range:** -20°C to max. +200°C

Lockable hand lever, please order the padlocks separately (see page 641).

**Operating range:** For breathing and venting of compressed air systems, pressure gauges, etc. For the medium of air, water, vacuum (max. -0.98 bar)

Optional: Certificate 3.1

Type	G	Venting thread	DN	L	H	R	Matching silencer
KH 14 ENTLEER ES	G 1/4"	M 5	11	61	54	102	SD 50 ES
KH 38 ENTLEER ES	G 3/8"	M 5	12	61	54	102	SD 50 ES
KH 12 ENTLEER ES	G 1/2"	M 5	15	63	57	102	SD 50 ES
KH 34 ENTLEER ES	G 3/4"	M 5	20	77	62	124	SD 50 ES
KH 10 ENTLEER ES	G 1"	M 5	25	90	80	165	SD 50 ES
KH 114 ENTLEER ES	G 1 1/4"	M 5	32	100	84	165	SD 50 ES
KH 112 ENTLEER ES	G 1 1/2"	M 5	38	118	99	188	SD 50 ES
KH 20 ENTLEER ES	G 2"	M 5	50	138	107	188	SD 50 ES



## Manual slide valves brass nickel-plated

PN 10

**Materials:** Body: Brass nickel-plated, sliding sleeve: Aluminium anodised, seal: NBR, manufactured without silicone

**Temperature range:** -10°C to max. +80°C

**Operating range:** For breathing and venting of compressed air systems, e.g. in front of an air unit or for the activation of single acting pneumatic cylinders.

Type	G	L	DN	Additional locks
<b>Standard</b>				
HS 50	M 5	31	4	---
HS 18	G 1/8"	48	7	---
HS 14	G 1/4"	58	10	---
HS 38	G 3/8"	70	13	---
HS 12	G 1/2"	75	16	---
HS 34	G 3/4"	83	19	---
<b>Safety design: can be locked open and closed with up to 3 padlocks*</b>				
HS 14 Si	G 1/4"	46	10	VHS 20 H
HS 12 Si	G 1/2"	62	16	VHS 20 H

\* a padlock is included in the supply volume



## 3/2-way valves with push-in fittings

Standard

**Operating pressure:** -0.95 to 10 bar

**Temperature range:** 0°C to max. +60°C

Type	D
IQSH 360	6
IQSH 380	8
IQSH 3100	10
IQSH 3120	12



**TIP** You can find more designs on page 35



All data are considered to be unbinding reference values. We accept no liability for data selection that is not confirmed in writing. Pressure data refer, if not otherwise indicated, to liquids of Group II at +20°C.