

3-way ball valves

High pressure 3-way ball valves

up to 500 bar

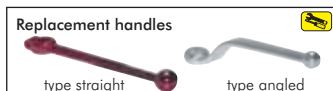
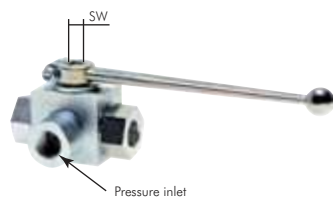
Materials: Housing: Zinc-plated steel, ball: Steel hard chrome-plated, seal: POM/NBR, handle: Zinc die-casting (from DN 20: straight - aluminium, angled - zinc-plated steel)

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

Operating range: Hydraulic oils, heating oils (water only after release by us). Apply input pressure only on the centre borehole.

Switching position: Can be changed only to position T4 by moving the handle according to the table on page 299. The standard position for T boreholes is position T1.

Optional: NPT thread -NPT, pressure inlet on all 3 sides (PN 400, ≥ G 1/2": PN 350), housing burnished -D3



Type L borehole	Type T borehole	G	DN	SW	PN
KH 3/18 L HD	KH 3/18 T HD	G 1/8"	4	9	500 bar
KH 3/14 L HD	KH 3/14 T HD	G 1/4"	6	9	500 bar
KH 3/38 L HD	KH 3/38 T HD	G 3/8"	10	9	500 bar
KH 3/12 L HD	KH 3/12 T HD	G 1/2"	13	9	500 bar
KH 3/34 L HD	KH 3/34 T HD	G 3/4"	20	14	315 bar
KH 3/10 L HD	KH 3/10 T HD	G 1"	25	14	315 bar
KH 3/114 L HD	KH 3/114 T HD	G 1 1/4"	25	14	350 bar
KH 3/112 L HD	KH 3/112 T HD	G 1 1/2"	25	14	350 bar
KH 3/20 L HD	KH 3/20 T HD	G 2"	50	17	350 bar

Repl. handles straight	Repl. handles angled
G KH SW 9	G KH SW 9 GK
G KH SW 9	G KH SW 9 GK
G KH SW 9	G KH SW 9 GK
G KH SW 9	G KH SW 9 GK
G KH SW 14	G KH SW 14 GK
G KH SW 14	G KH SW 14 GK
G KH SW 14	G KH SW 14 GK
G KH SW 14	G KH SW 14 GK
G KH SW 17	G KH SW 17 GK

Order example: KH 3/18 L HD **

Standard type

Designation for the options:

NPT thread-NPT
Pressure inlet on all 3 sides-D3

Stainless steel high pressure 3-way ball valves

up to 400 bar

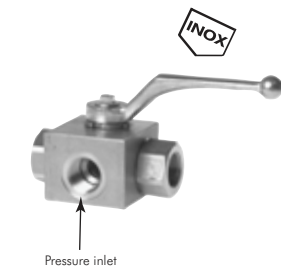
Materials: Housing: AISI 316Ti, ball: AISI 316Ti, seal: POM/NBR, handle: Zinc die-casting

Temperature range: -20°C to max. +100°C

Operating range: Hydraulic oils, heating oil (water only after release by us). Apply input pressure only on the centre borehole.

Switching position: Can be changed only to position T4 by moving the handle according to the table on this page. The standard position for T boreholes is position T1.

Optional: NPT thread -NPT, PTFE/FKM seal -V, pressure inlet on all 3 sides (only switching position L, T1 and T4 possible) -D3



Type L borehole	Type T borehole	G	DN	PN
KH 3/18 L HD ES	KH 3/18 T HD ES	G 1/8"	5	400 bar
KH 3/14 L HD ES	KH 3/14 T HD ES	G 1/4"	6	400 bar
KH 3/38 L HD ES	KH 3/38 T HD ES	G 3/8"	7	400 bar
KH 3/12 L HD ES	KH 3/12 T HD ES	G 1/2"	11.5	400 bar
KH 3/34 L HD ES	KH 3/34 T HD ES	G 3/4"	18	320 bar
KH 3/10 L HD ES	KH 3/10 T HD ES	G 1"	22	350 bar
KH 3/114 L HD ES	KH 3/114 T HD ES	G 1 1/4"	22	350 bar
KH 3/112 L HD ES	KH 3/112 T HD ES	G 1 1/2"	22	250 bar
KH 3/20 L HD ES	KH 3/20 T HD ES	G 2"	44	250 bar

Order example: KH 3/18 L HD ES **

Standard type

Designation for the options:

NPT thread-NPT
PTFE/FKM seal-V
Pressure inlet on all 3 sides-D3

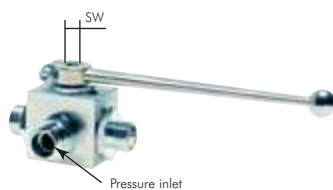
High pressure 3-way ball valves, w/ cutting ring connections ISO 8434-1 up to 500 bar

Materials: Housing: Zinc-plated steel, ball: Steel hard chrome-plated, seal: POM/NBR, handle: Zinc die-casting (from DN 16: straight - aluminium, angled - zinc-plated steel)

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

Operating range: Hydraulic oils, heating oil (water only after release by us). Apply input pressure only on the centre borehole.

Switching position: Can be changed only to position T4 by moving the handle according to the table on this page. The standard position for T boreholes is position T1.



Type L borehole	Type T borehole	Tube Ø ext.	DN	Thread	SW	PN
Light model series						
KH 3/6 L L HD	KH 3/6 L T HD	6 L	4	M 12 x 1.5	9	315 bar
KH 3/8 L L HD	KH 3/8 L T HD	8 L	6	M 14 x 1.5	9	315 bar
KH 3/10 L L HD	KH 3/10 L T HD	10 L	8	M 16 x 1.5	9	315 bar
KH 3/12 L L HD	KH 3/12 L T HD	12 L	10	M 18 x 1.5	9	315 bar
KH 3/15 L L HD	KH 3/15 L T HD	15 L	12	M 22 x 1.5	9	315 bar
KH 3/18 L L HD	KH 3/18 L T HD	18 L	16	M 26 x 1.5	12	315 bar
KH 3/22 L L HD	KH 3/22 L T HD	22 L	20	M 30 x 2	14	160 bar
KH 3/28 L L HD	KH 3/28 L T HD	28 L	25	M 36 x 2	14	160 bar
Heavy model series						
KH 3/8 S L HD	KH 3/8 S T HD	8 S	4	M 16 x 1.5	9	500 bar
KH 3/10 S L HD	KH 3/10 S T HD	10 S	6	M 18 x 1.5	9	500 bar
KH 3/12 S L HD	KH 3/12 S T HD	12 S	8	M 20 x 1.5	9	400 bar
KH 3/14 S L HD	KH 3/14 S T HD	14 S	10	M 22 x 1.5	9	400 bar
KH 3/16 S L HD	KH 3/16 S T HD	16 S	12	M 24 x 1.5	9	315 bar
KH 3/20 S L HD	KH 3/20 S T HD	20 S	16	M 30 x 2	12	315 bar
KH 3/25 S L HD	KH 3/25 S T HD	25 S	20	M 36 x 2	14	315 bar
KH 3/30 S L HD	KH 3/30 S T HD	30 S	25	M 42 x 2	14	315 bar

Repl. handles straight	Replacement handles angled
G KH SW 9	G KH SW 9 GK
G KH SW 9	G KH SW 9 GK
G KH SW 9	G KH SW 9 GK
G KH SW 9	G KH SW 9 GK
G KH SW 9	G KH SW 9 GK
G KH SW 12	G KH SW 12 GK
G KH SW 14	G KH SW 14 GK
G KH SW 14	G KH SW 14 GK
G KH SW 9	G KH SW 9 GK
G KH SW 9	G KH SW 9 GK
G KH SW 9	G KH SW 9 GK
G KH SW 9	G KH SW 9 GK
G KH SW 12	G KH SW 12 GK
G KH SW 14	G KH SW 14 GK
G KH SW 14	G KH SW 14 GK

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.