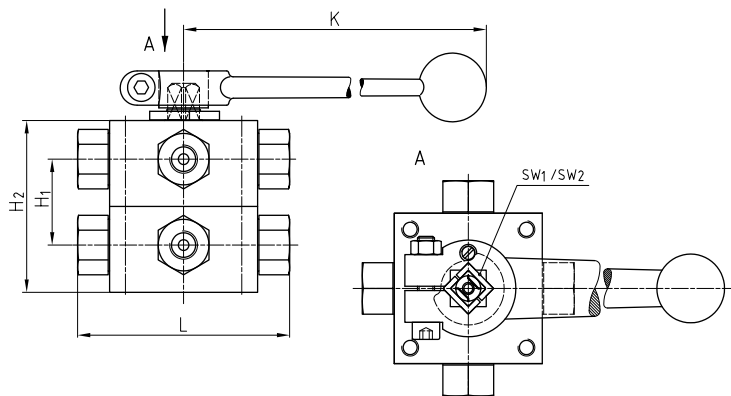


Multiway ball valve combinations 3KH, 4KH Steel



Detailed dimensions:
Catalog page 110 to 112 and 118 to 120

SW₁: Wrench size of trunnion ball
SW₂: Wrench size of lever

AVAILABLE SIZES

DN4 - DN25 (1/8" to 1")

CONNECTIONS

DIN ISO 228 Female thread, ANSI B1.20.1 NPT Female thread, DIN 2353/ISO 8434-1 Light / Heavy series, SAE J 514/ISO/DIS11926-1 Female thread, others on request

ACCESSORIES ON REQUEST

- Locking devices page 230 - 233
- Actuators 228 - 229
- Mounting holes on request
- Position switches on request
- Detent 239

MATERIAL CODE DESCRIPTION

Materials	112A	112A
Body	Steel	Steel
Trunnion ball	Steel	Steel
Ball seats	POM	POM
O-rings	NBR	NBR
Tmin / Tmax	-20°C / 100°C	-20°C / 100°C
Porting pattern	L=SB01	T=SB13
Type	3KH	4KH

GENERAL DIMENSIONS

Type	SW ₁	SW ₂	H ₁	H ₂	K	Lever
3/4KH-DN4	12	17	40	80	320	Al
3/4KH-DN6	12	17	40	80	320	Al
3/4KH-DN8	14	17	50	100	320	Al
3/4KH-DN10	14	17	50	100	320	Al
3/4KH-DN13	14	17	60	120	320	Al
3/4KH-DN16	14	17	60	120	320	Al
3/4KH-DN20	17	17	67	134	320	Al
3/4KH-DN25	17	17	82	164	320	Al
3/4KH-DN25/32	17	17	82	164	320	Al
3/4KH-DN25/40	17	17	82	164	320	Al

PORTING PATTERNS

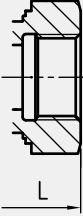
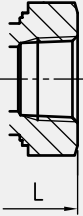
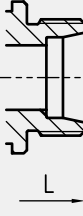


Further porting patterns page 274 to 279

Multiway ball valve combinations

Steel

3KH, 4KH

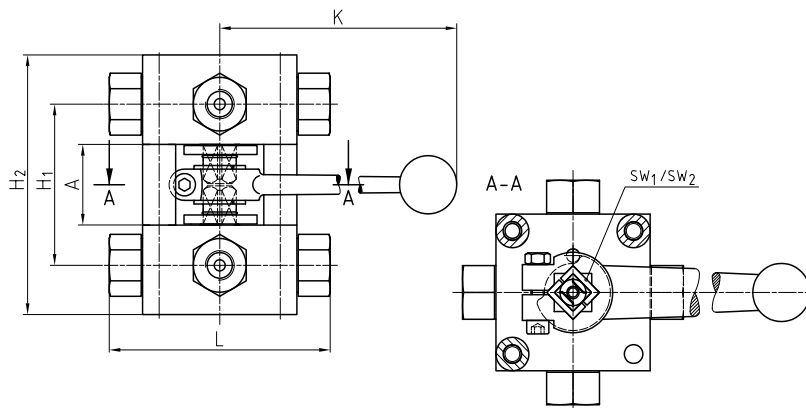
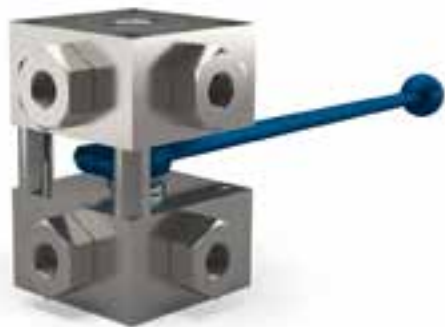
CONNECTION TYPE	DIMENSIONS			ORDER CODE PER MATERIAL COMBINATION		
DIN ISO 228 FEMALE THREAD	Type	L	Weight [Kg]	PN [bar]	3KH 112A L=SB01	4KH 112A T=SB13
	3/4KH-DN4-G1/8	100	3,20	500	38550	38551
	3/4KH-DN6-G1/4	100	3,20	500	19945	38552
	3/4KH-DN10-G3/8	115	5,40	500	38553	38554
	3/4KH-DN13-G1/2	136	9,80	400	19221	38555
	3/4KH-DN16-G5/8	139	9,80	400	38556	38557
	3/4KH-DN20-G3/4	154	13,40	315	38558	38559
	3/4KH-DN25-G1	172	16,60	315	38683	38684
	3/4KH-DN25/32-G1 1/4	180	17,00	315	38685	38686
	3/4KH-DN25/40-G1 1/2	180	17,00	250	38687	38688
ANSI B1.20.1 NPT FEMALE THREAD	Type	L	Weight [Kg]	PN [bar]	3KH 112A L=SB01	4KH 112A T=SB13
	3/4KH-DN4-1/8"NPT	100	3,20	500	38689	38690
	3/4KH-DN6-1/4"NPT	100	3,20	500	38691	38692
	3/4KH-DN10-3/8"NPT	115	5,60	500	38693	38694
	3/4KH-DN13-1/2"NPT	160	10,40	400	38695	38696
	3/4KH-DN20-3/4"NPT	164	13,60	315	30805	38697
	3/4KH-DN25-1"NPT	186	17,00	315	38698	38699
	3/4KH-DN25/32-1 1/4"NPT	186	17,60	315	38700	38701
	3/4KH-DN25/40-1 1/2"NPT	186	17,60	250	38702	38703
DIN 2353 / ISO 8434-1 LIGHT SERIES	Type	L	Weight [Kg]	PN [bar]	3KH 112A L=SB01	4KH 112A T=SB13
	3/4KH-DN4-6L	105	3,20	500	38518	38519
	3/4KH-DN6-8L	105	3,20	500	38520	38521
	3/4KH-DN8-10L	114	5,20	500	38522	38523
	3/4KH-DN10-12L	114	5,20	500	38524	38525
	3/4KH-DN13-15L	137	9,40	400	38526	38527
	3/4KH-DN16-18L	137	9,40	400	38528	38529
	3/4KH-DN20-22L	152	13,20	315	38530	38531
	3/4KH-DN25-28L	166	16,00	315	38532	38533
	3/4KH-DN25/32-35L	170	16,10	315	59591	59593
DIN 2353 / ISO 8434-1 HEAVY SERIES	Type	L	Weight [Kg]	PN [bar]	3KH 112A L=SB01	4KH 112A T=SB13
	3/4KH-DN4-8S	105	3,20	500	38534	38535
	3/4KH-DN6-10S	105	3,20	500	38536	38537
	3/4KH-DN8-12S	116	5,20	500	38538	38539
	3/4KH-DN10-14S	120	5,20	500	38540	38541
	3/4KH-DN13-16S	141	9,40	400	38542	38543
	3/4KH-DN16-20S	145	9,40	400	38544	38545
	3/4KH-DN20-25S	160	13,20	315	38546	38547
	3/4KH-DN25-30S	176	16,40	315	38548	38549
	3/4KH-DN25/32-38S	180	16,50	315	59595	59597
SAE J514/ISO/DIS11926-1 FEMALE THREAD	Type	L	Weight [Kg]	PN [bar]	3KH 112A L=SB01	4KH 112A T=SB13
	3/4KH-DN6-7/16"UNF	100	3,20	500	38704	38705
	3/4KH-DN10-9/16"UNF	115	5,60	500	38706	38707
	3/4KH-DN13-3/4"UNF	144	9,80	400	38708	38709
	3/4KH-DN20-1 1/16"UN	164	13,60	315	38710	38711
	3/4KH-DN25-1 5/16"UN	180	17,00	315	38712	38713

Please note the pressure ratings of the tube connections!

*Article usually in stock.

Multiway ball valve combinations 3KH, 4KH

Steel



Detailed dimensions:
Catalog page 110 to 112 and 118 to 120

SW₁: Wrench size of trunnion ball
SW₂: Wrench size of lever

AVAILABLE SIZES

DN4 - DN25 (1/8" to 1")

CONNECTIONS

DIN ISO 228 Female thread, ANSI B1.20.1 NPT Female thread, DIN 2353/ISO 8434-1 Light / Heavy series, SAE J 514/ISO/DIS11926-1 Female thread, others on request

ACCESSORIES ON REQUEST

- Locking devices on request
- Actuators on request
- Mounting holes on request
- Position switches on request
- Detent on request

MATERIAL CODE DESCRIPTION

Materials	112A	112A
Body	Steel	Steel
Trunnion ball	Steel	Steel
Ball seats	POM	POM
O-rings	NBR	NBR
Tmin / Tmax	-20°C / 100°C	-20°C / 100°C
Porting pattern	L=SB01	T=SB13
Type	3KH	4KH

GENERAL DIMENSIONS

Type	SW ₁	SW ₂	A	H ₁	H ₂	K	Lever
3/4KH-DN4	12	17	36	72	116	240	Al
3/4KH-DN6	12	17	36	72	116	240	Al
3/4KH-DN8	14	17	38	84	138	320	Al
3/4KH-DN10	14	17	38	84	138	320	Al
3/4KH-DN13	14	17	38	96	158	320	Al
3/4KH-DN16	14	17	38	96	158	320	Al
3/4KH-DN20	17	19	46	107	180	320	Al
3/4KH-DN25	17	19	46	115	210	320	Al
3/4KH-DN25/32	17	19	46	115	210	320	Al
3/4KH-DN25/40	17	19	46	115	210	320	Al

PORTING PATTERNS

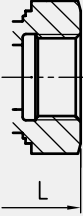
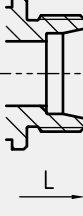


Further porting patterns page 274 to 279

Multiway ball valve combinations

Steel

3KH, 4KH

CONNECTION TYPE	DIMENSIONS			ORDER CODE PER MATERIAL COMBINATION		
DIN ISO 228 FEMALE THREAD	Type	L	Weight [Kg]	PN [bar]	3KH 112A L=SB01	4KH 112A T=SB13
	3/4KH-DN4-G1/8	100	3,50	500	38746	38747
	3/4KH-DN6-G1/4	100	3,50	500	38748	38749
	3/4KH-DN10-G3/8	115	6,00	500	38750	38751
	3/4KH-DN13-G1/2	136	10,20	400	38752	38753
	3/4KH-DN16-G5/8	139	10,20	400	38754	38755
	3/4KH-DN20-G3/4	154	14,00	315	38756	38757
	3/4KH-DN25-G1	172	17,50	315	38758	38759
	3/4KH-DN25/32-G1 1/4	180	18,00	315	38760	38761
	3/4KH-DN25/40-G1 1/2	180	18,00	250	38762	38763
ANSI B1.20.1 NPT FEMALE THREAD	Type	L	Weight [Kg]	PN [bar]	3KH 112A L=SB01	4KH 112A T=SB13
	3/4KH-DN4-1/8"NPT	100	3,50	500	38764	38765
	3/4KH-DN6-1/4"NPT	100	3,50	500	38766	38767
	3/4KH-DN10-3/8"NPT	115	6,00	500	38768	38769
	3/4KH-DN13-1/2"NPT	160	10,20	400	38770	38771
	3/4KH-DN20-3/4"NPT	164	14,00	315	38772	38773
	3/4KH-DN25-1"NPT	186	17,50	315	38774	38775
	3/4KH-DN25/32-1 1/4"NPT	186	18,00	315	38776	38777
	3/4KH-DN25/40-1 1/2"NPT	186	18,00	250	38778	38779
DIN 2353 / ISO 8434-1 LIGHT SERIES	Type	L	Weight [Kg]	PN [bar]	3KH 112A L=SB01	4KH 112A T=SB13
	3/4KH-DN4-6L	105	3,50	500	38714	38715
	3/4KH-DN6-8L	105	3,50	500	38716	38717
	3/4KH-DN8-10L	114	6,00	500	38718	38719
	3/4KH-DN10-12L	114	6,00	500	38720	38721
	3/4KH-DN13-15L	137	9,80	400	38722	38723
	3/4KH-DN16-18L	137	9,80	400	38724	38725
	3/4KH-DN20-22L	152	13,80	315	38726	38727
	3/4KH-DN25-28L	166	16,50	315	38728	38729
	3/4KH-DN25/32-35L	170	16,60	315	59592	59594
DIN 2353 / ISO 8434-1 HEAVY SERIES	Type	L	Weight [Kg]	PN [bar]	3KH 112A L=SB01	4KH 112A T=SB13
	3/4KH-DN4-8S	105	3,50	500	38730	38731
	3/4KH-DN6-10S	105	3,50	500	38732	38733
	3/4KH-DN8-12S	116	6,00	500	38734	38735
	3/4KH-DN10-14S	120	6,00	500	38736	38737
	3/4KH-DN13-16S	141	9,80	400	38738	38739
	3/4KH-DN16-20S	145	9,80	400	38740	38741
	3/4KH-DN20-25S	160	13,80	315	38742	38743
	3/4KH-DN25-30S	176	16,50	315	38744	38745
	3/4KH-DN25/32-38S	180	16,60	315	59596	59598
SAE J514/ISO/DIS11926-1 FEMALE THREAD	Type	L	Weight [Kg]	PN [bar]	3KH 112A L=SB01	4KH 112A T=SB13
	3/4KH-DN6-7/16"UNF	100	3,50	500	38780	38781
	3/4KH-DN10-9/16"UNF	115	6,00	500	38782	38783
	3/4KH-DN13-3/4"UNF	144	10,40	400	38784	38785
	3/4KH-DN20-1 1/16"UN	164	14,00	315	38786	38787
	3/4KH-DN25-1 5/16"UN	180	17,50	315	38788	38789

Please note the pressure ratings of the tube connections!

*Article usually in stock.