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Product Design Assessment

Product list

ABS Certification

Ball valves for on board use on vessels and marine structures						page in catalogue	steel	stainless steel	For cut rings tube fittings, light series	For cut rings tube fittings, heavy series	BSP thread	NPT thread	UN/UNF female thread		Split flange ISO 6162-1	Split flange ISO 6162-2	Full flange ISO 6162-1	Full flange ISO 6162-2	for panel mounting	Mainfold insertion	POM	PTFE	PEEK	NBR	FKM	EPDM	FFKM	Ball valves information about material, temperature and pressure ranges			
no	model	description	pressure	DN			material				kind of thread				flange						Ball seat:			Stem seal:			description				
2/2 ball valves with threaded connector	1.1	BKH	2/2-way	up to PN 500	4-40/25	16-17 20-25	•		•	•	•	•									•	•	•	•	•	•	•	□	For the valve bodies, connectors, stems, balls, ball seats and stem seals variety of material grades are available, i.e.: Body, connector, ball, stem: <u>Steel</u> Material No.: 1.0715 DIN EN 10277-3/SAE1213 Grade: 11SMn30 Material No.: 1.0601 DIN EN 10083/SAE1060 Grade: C60 Material No.: 1.0503 DIN EN 10083/SAE1045 Grade: C45 <u>Stainless steel</u> Material No.: 1.4571 DIN EN 10088-3/AISI 316 Ti Grade: X6CrNiMoTi17-12-2 Material No.: 1.4462 DIN EN 10088 /AISI S31803 Grade: X2CrNiMoN22-5-3 Material No.: 1.4470 DIN EN 10283/ASTM A995 Grade: GX2CrNiMoN22-5-3 Material No.: 1.4122 DIN EN 10283/ASTM F899Grade: X39CrMo17-1		
	1.2	BKH RKH	2/2-way	up to PN 500	4-25	26-29 32-33		•	•	•	•	•									•	•	•	•	•	•	•	□			
	1.3	BKH	2/2-way	up to PN 630	4-25	34-35		•	•	•	•	•										•	•	•	•	•	•	□			
	1.4	RKH	2/2-way	up to PN 840	4-25	36-37		•	•	•	•	•											•	•	•	•	•	□			
	1.5	RKH	2/2-way	up to 1500	6-25	38-39		•	•	•	•	•											•	•	•	•	•	□			
	1.6	SKH	2/2-way	up to PN 420	32-50	18-19		•	•	•	•	•	•									•	•	•	•	•	•	□			
	1.7	GKH	2/2-way	up to PN 420	32-50	30-31		•	•	•	•	•	•									•	•	•	•	•	•	□			
2/2 ball valve for manifold mounting	1.12	PKH	2/2-way	up to PN 500	6-65	74-75	•	□											•		•		•								
	2.3	PK3	3/2-way	up to PN 500	6-65	98-99	•	□											•		•		•	□							
Multi-way valves with threaded connector	2.1	BK3	3/2-way	up to PN 500	4-50	82-87	•		•	•	•	•									•		□	•	□				Ball Seat: POM, PEEK,		
	2.1.1	BK3	3/2-way	up to PN 500	4-25	90-93		•	•	•	•	•									•	•	•	□	•				Stem seal: NBR, FKM,		
																														Body seat: NBR, FKM, FFKM, EPDM	
	2.4	3KH	multiway(3-way)	up to PN 500	4-40	102-105	•		•	•	•	•	□								•	•	•	•	•						
	2.5	3KH	multiway(3-way)	up to PN 500	4-32	110-111		•	•	•	•	•	□									•	•	•	□	•					
	2.7	4KH	multiway(4-way)	up to PN 500	4-40	108-109		•	•	•	•	•	□									•	•	•	•	•					Temperature ranges depending on material in valve body and seat, i.e.:
	2.8	4KH	multiway(4-way)	up to PN 100	4-32	110-111		•	•	•	•	•	□									•	•	•	•	•				Valves made of steel material:	
	2.10	4PK	multiway(4-way)	up to PN 400	6-32	116-117		•	□													•		•	□					Valves made of stainless steel material:	
2/2 ball valves with flange connection	1.8	RKH	2/2 way (direct flangeable)	up to PN 420	13-127	52-55										•	•				•		•	•							
	1.9	BKH/SKH	2/2 way(flange)	up to PN 420	13-51	56-57	•							•	•						•		•	•							
	1.9.1	BKH/GKH	2/2 way(flange)	up to PN 420	13-51	58-59		•						•	•						•		•	•							
	1.10	RKH	2/2 way	up to PN 420	13-127	60-61	•									•	•					•		•	•						
	1.10.1	BKH/SKH	2/2 way (flange)	up to PN 420	13-51	62-63	•									•	•					•		•	•						
	2.2	BK3	3/2 way	up to PN 420	19-32	96-97	•															•		•	•						
																															Pressure/temperature ranges of valves:
2/2 ball valves 3/2 ball valve for manifold insertion as cartridge type	1.13	CKH	2/2 way (cartridge type)	up to 500	6-50	76-77	•	•													•		•	•						Max. working pressures to be reduced at elevated temperatures according to RÖTELMANN catalogue 0325 pages 194-195	
	2.11	CK3	3/2-way (cartridge type)	up to 500	6-50	100-101	•	□														•		•	□						

□ no data sheet in catalogue