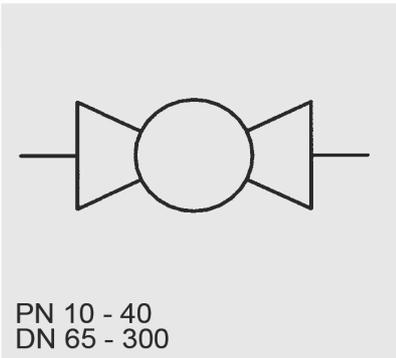


## HYDAC INTERNATIONAL

### Flanged Ball Valves KHFF



**Model code**  
(also order example)

**KHFF 100 PN040 10333 06 X**

**Designation**

KHFF = Flange ball valve DN 65 - 300 (short version - DIN EN 558-1 - series 27)  
 KHFF = Flange ball valve DN 65 - 300 (long version - DIN EN 558-1 - series 1)

**Nominal bore**

**Pressure range**

**Materials**

*Housing*

3 = Stainless steel (1.4408)  
 10 = Cast steel (1.0619)

*Ball*

3 = Stainless steel (1.4408 / 1.4308)

*Ball seal*

3 = PTFE + 25% glass fibre reinforced

*Stem seal*

3 = PTFE

(other materials on request)

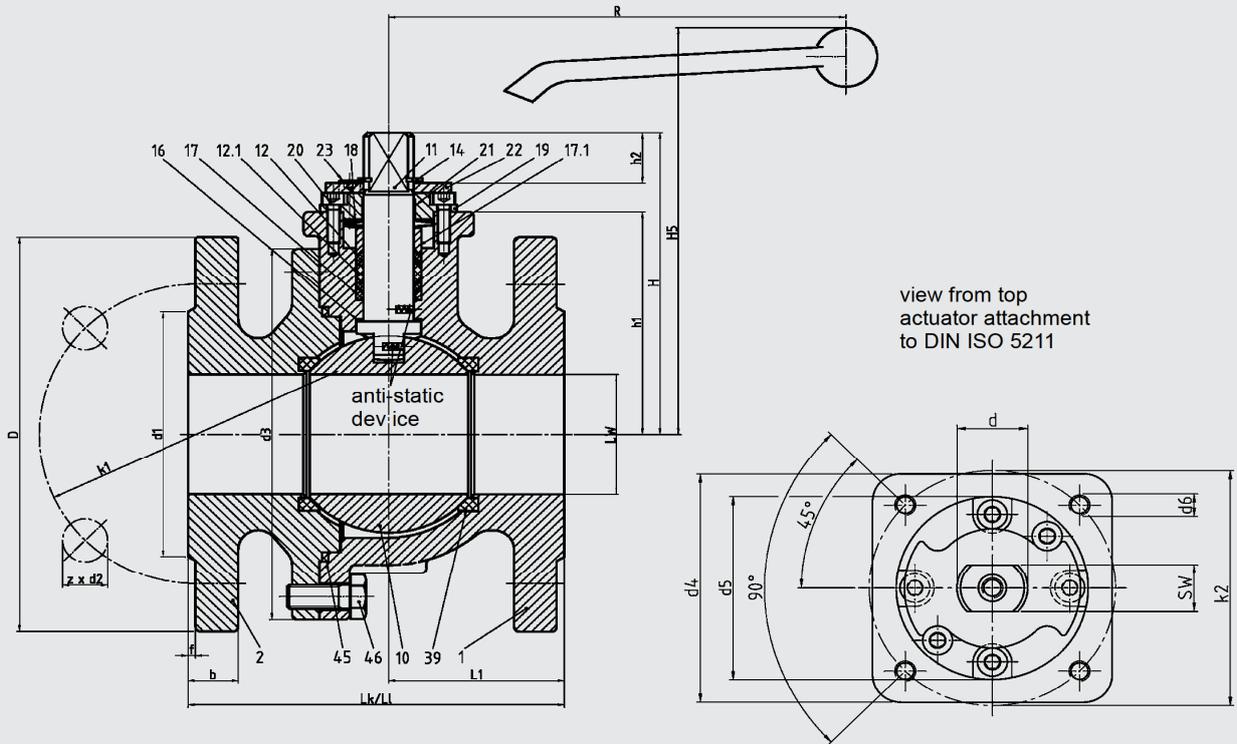
**Handle**

06 = Steel bolt-on handle, cranked

**Series**

(determined by manufacturer)

## KHFF



Item	Description
1	Body 1
2	Body 2
10	Ball
11	Stem
12	Stem seal
12.1	Stem seal
14	Safety ring
16	Thrust ring
17	Ring
17.1	Gland
18	Belleville-type washer
19	Cover
20	Socket head screw
21	Bearing strip
22	Stop disc
23	Socket head screw
39	Ball seat ring
45	Body seal
46	Hexagon bolt

## Dimensions

DN	PN	LW	L <sub>k</sub> *	L <sub>l</sub> *	L1	d3	H	H5	h1	h2	d	SW	k1	d1	d2	d4	d5	d6	k2	R	D	b	f	z	Wt. kg L <sub>k</sub> *	Wt. kg L <sub>l</sub> *	ISO 5211
65	40	65	170	290	80	190	150	195	115	18	20	14	145	122	18						215	185	22		20	21.5	
80	40	80	180	310	86	208	161	211	124				160	138		96	70	M10	102		300	200	24		25	27.5	F10
100	40	100	190	350	94.5	242	178	228	141	20	25	19.3	190	162	22							235	24		33.5	37.5	
125	16												210	188	18							250	22	8	67	72	
125	40	125	325	400	162.5	290	265	270	222	30	35	25.5	220		26							270	26		72	77	
150	16												240	212	22							285	22		100	106	
150	40	150	350	480	175	327	297.5	301	242.5				250	218	26	150	85	M12	125			300	28		106	112	F12
200	10												295	268	22							340	24		161	173	
200	16									41.5	44	32										360	30	2	164	176	
200	25	200	400	600	200	400	335	338	280				310	278	26							375	34		172	184	
200	40												320	285	30										172	184	
250	10												350	320	22							395	26		255		
250	16												355		26							405		12	257		
250	25	250	450	-	225	492	390	-	330				370	335	30							425	32		272		
250	40												385	345	33							450	38		292		
300	10									51	48	36	400	370	22	175	100	M16	140	-		445	26		339	-	F14
300	16												410	378	26							460	28		340		
300	25	300	500	-	250	575	425	-	365				430	395	30							485	34		355		
300	40												450	410	33							515	42	16	380		

\* L<sub>k</sub> = short version - DIN EN 558-1 - series 27

\* L<sub>l</sub> = long version - DIN EN 558-1 - series 1

## Technical specifications

Flange connections:	DIN EN 1092 - 1 : 2000, DN 65 - DN 300, PN 10 - PN 40
Raised face:	DIN EN 1092 - 1 : 2000 Form B1 (others on request)
Face-to-face:	DIN EN 558- 1 Series 27 (F4/F5), DIN EN 558- 1 Series 1 (F1)
Stem seal:	PTFE or graphite stuffing box, supported by Belleville-type washer. Belleville-type washers are completely enclosed and protected against ingress of dirt.
Operation:	By stem on two flats according to NAMUR recommendation.
Top flange:	DIN ISO 5211 for hand-operation by worm gear, pneumatic, electric or hydraulic actuator.
Test certificates:	EN 10204 2.2 or 3.1 B/C/A
Certification according to:	PED 97/23/EC Manufactured to AD-2000 TA - Luft 2002 (Technical Instructions on Air Quality Control) Fire - safe BS 6755, part 2 (DN 65 - DN 100) DIN DVGW Reg. no. NG-4313AP1147 (German Technical and Scientific Association for Gas and Water) DIN EN ISO 9001 - TÜV CERT -
Accessories:	Stem extension, locking and positioning device, heating jackets and high quality sensors. (additional equipment on request)
Temperature range:	-50 °C to + 230 °C, depending on ball seals.
Application:	Neutral gases and fluids, mineral oil products, alkalis, corrosive fluids and gases.

## NOTE

The information in this brochure relates to the operating conditions and applications described.

For applications and operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.



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