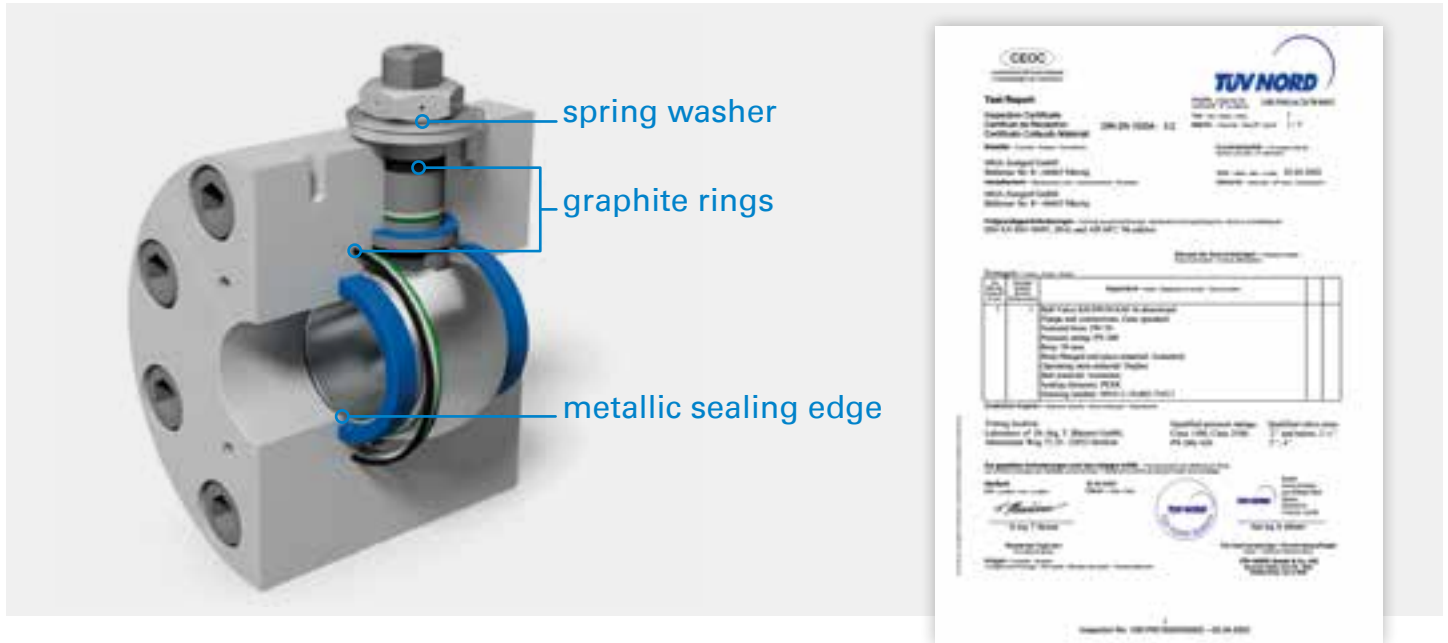


Ball valves with fire-safe approval



When handling flammable liquids, safety must be a prime consideration. Great importance is therefore attributed to the design of “fire-safe” shut-off valves utilized in many industrial environments including:

- Chemical and petrochemical plants
- Oil drilling and refineries
- On- /offshore installations

When fire does break out, it is important that it does not spread through failures in pipe-work systems. Even under the most extreme conditions shut-off valves must provide:

- Secure operation
- Reliable sealing in shut-off position
- Reliable sealing from ambient atmosphere

Application-specific



Sizes from ½" to 3"



420 bar (6.000 psi)



Bi-directional usage



Certified acc. ISO 10497, API 607



Additional tests and documentation on request
(e.g. PMI, penetrant testing, gas test, ...)



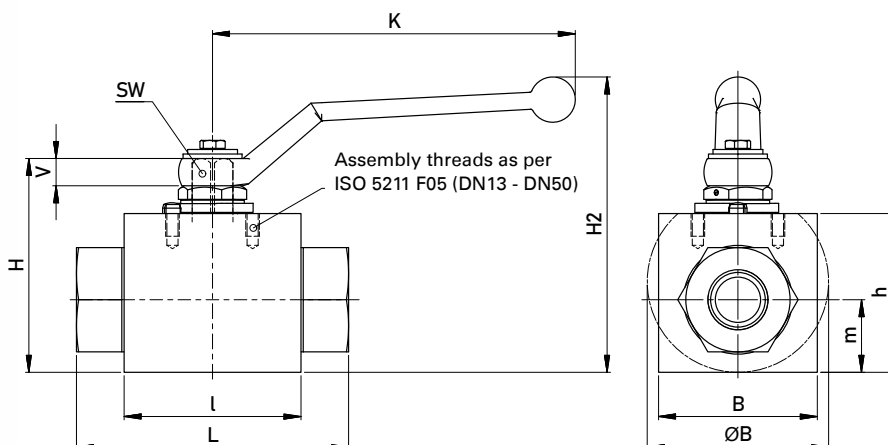
- 1.4571 (AISI316Ti) body and connector material
- PEEK ball seats
- FPM o-rings (or others on request)
- Graphite secondary seats



- Threaded connections:
ISO 228, NPT female, UN female, DIN 2353 cutting ring, ...
- Flange connections:
ISO 6162-1/2, ISO 6164, ANSI RF, ...

Block ball valve with fire-safe approval (bi-direct) Stainless Steel

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AVAILABLE SIZES

DN13 - DN50 (1/2" to 2")

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, ISO 7/1 Rc Female thread, ISO 8434-3 ORFS Male thread, others on request

ACCESSORIES ON REQUEST

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

MATERIAL CODE DESCRIPTION

Materials	44m8
Body	Stainless Steel
Ball	Stainless Steel
Stem	Stainless Steel
Primary ball seats	PEEK
Secondary ball seats	Stainless Steel
Primary body and stem sealing	FPM
Secondary body and stem sealing	Graphite
Tmin / Tmax	-20°C / 200°C

GENERAL DIMENSIONS

Type	L	B	H	h	m	V _{min}	SW	K	H ₂	Lever
< DN13 on request										
BKH-DN13	74,5	49	72	57	31,3	8	9	133	99	SS
BKH-DN20	78	70	94	70	32	9,5	14	161	127	SS
BKH-DN25	78	70	94	70	29,5	9,3	14	161	127	SS
BKH-DN32	102	Ø112	132	101,5	56	14	17	227	208	SS
BKH-DN40	97	Ø120	143	113	60	14	17	227	216	SS
BKH-DN50	101	Ø132	154,5	124	66	14,4	17	227	230	SS

Fire-safe approval as per DIN EN ISO 10497 (2016) and API 607 (7th edition)

Block ball valve with fire-safe approval (bi-direct) Stainless Steel

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CONNECTION TYPE	DIMENSIONS						ORDER CODE PER MATERIAL COMBINATION	
DIN ISO 228 FEMALE THREAD	Type	LW	L	i	d	Weight [Kg]	PN [bar]	44m8
	BKH-DN13-G 1/2	12	105	16,3	G 1/2	1,90	420	71018
	BKH-DN20-G 3/4	20	120	18	G 3/4	3,41	420	71019
	BKH-DN25-G 1	25	125	20	G 1	3,41	420	71022
	BKH-DN32-G 1 1/4	32	138	22	G 1 1/4	8,00	420	71670
	BKH-DN40-G 1 1/2	35	150	24	G 1 1/2	9,38	420	71673
	BKH-DN50-G 2	48	165	26	G 2	11,63	420	71676
ANSI B1.20.1 NPT FEMALE THREAD	Type	LW	L	i	d	Weight [Kg]	PN [bar]	44m8
	BKH-DN13-1/2" NPT	12	105	17	1/2" NPT	1,90	420	71025
	BKH-DN20-3/4" NPT	20	120	18	3/4" NPT	3,41	420	71019
	BKH-DN25-1" NPT	25	125	21,6	1" NPT	3,41	420	71028
	BKH-DN32-1 1/4" NPT	32	138	22,1	1 1/4" NPT	8,00	420	71950
	BKH-DN40-1 1/2" NPT	35	150	22,1	1 1/2" NPT	9,38	420	71951
	BKH-DN50-2" NPT	48	165	30,3	2" NPT	11,63	420	71952

Application-specific

Assembly threads as per ISO 5211 F05 (DN13 - DN50).

Please note the pressure ratings of the tube connections!