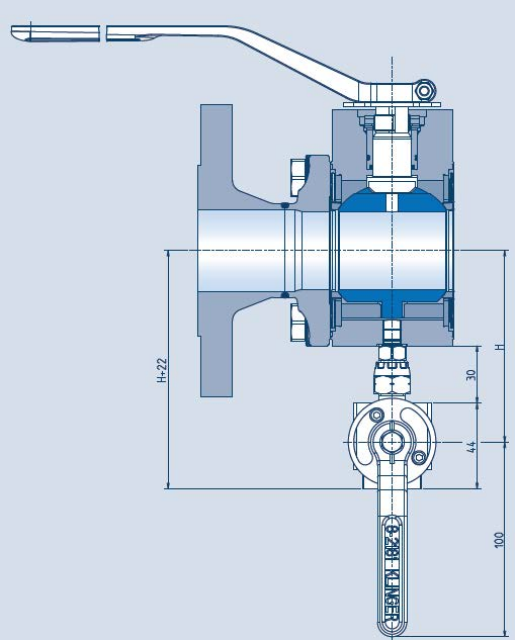
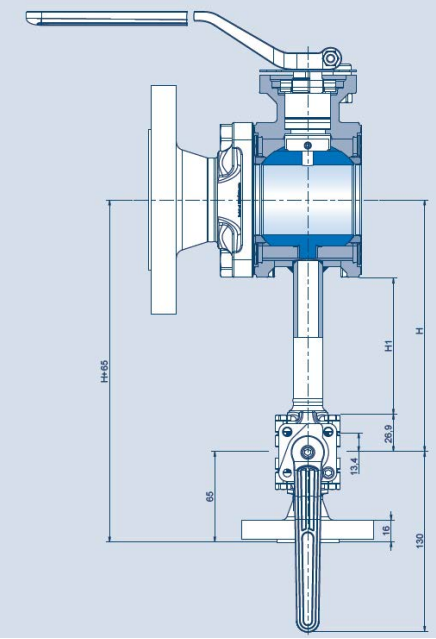
BALLOSTAR KHA-DBB
Double block & bleed

KLINGER Fluid Control

DN 15-40



DN 50-125



	DN 15-40	DN 50-125
Temperature	-10 °C to +235 °C (see pT diagram)	-10 °C to +220 °C (see pT diagram)

Product details

- » PN 16/25/40/63/100, ASME CL150/300
- » DN 15-125 and 1/2"-5"
- » Housing: Cast steel, rust and acid proof cast iron, duplex
- » Ball: Special materials on demand
- » Op. stem: Rust & acid proof steel

General features

- » 3-piece ball valve with full bore and drain valve
- » Double-seated ball, antistatic, lockable
- » Optionally only as a double-seated ball valve
- » Double sealing in both bore directions
- » Modular component system

Connections Flange / Welding ends / Threads

Dimensions

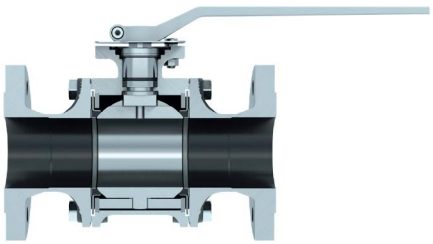
Flange cap in acc. with DIN EN 1092-1 or ASME B16.5

Welding cap in acc. with DIN EN 12982, series 67

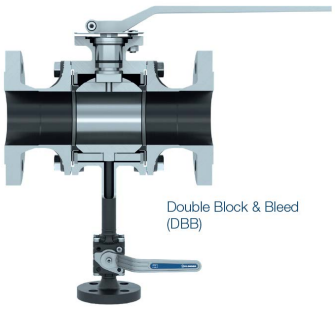
Thread cap in acc. with EN 16722-114

Certificates

- » Leak-testing acc. ISO 5208 / ISO 14313:2007 – DBB
- » SIL2



Trunnion mounted (TM)



Double Block & Bleed (DBB)

Industries

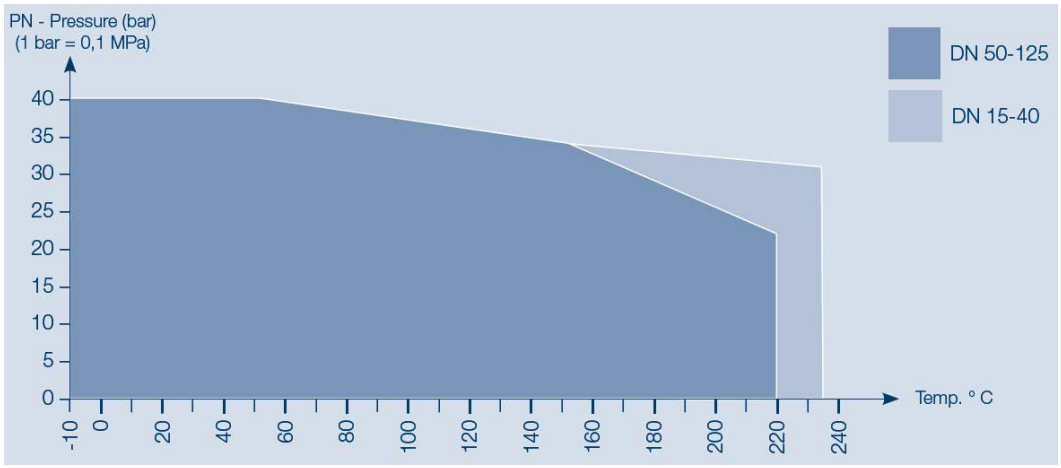
District Heating | Steel | Power | Geothermal Energy | Oil & Gas | Chemical Industry | Pulp & Paper | Energy | Food & Beverage | Pharma | Mining | Metals | Aerospace | Water

BALLOSTAR KHA-DBB

Pressure and temperature ranges / Technical data

KLINGER Fluid Control

P-T diagram



Operating moments for DBB 15-125

Nominal diameter DN		Differential pressure (bar)							
		0	5	10	16	20	25	30	40
inch	mm	Torque (Nm)							
1/2"	15	6	6	7	7	7	7	7	8
3/4"	20	12	12	12	12	12	13	13	14
1"	25	14	14	15	15	16	17	17	18
1 1/4"	32	17	17	17	18	19	20	22	23
1 1/2"	40	25	25	27	29	31	32	33	35
2"	50	16	19	25	28	29	33	38	43
2 1/2"	65	26	38	46	47	55	59	67	75
3"	80	38	43	60	68	75	80	89	125
4"	100	38	62	90	108	133	155	184	207
5"	125	150	184	225	319	372	403	419	465

AREAS OF UTILIZATION

Recommended
Less suitable
Not recommended

Stuffing boxes

		FS	LABP	PTFE	GRA	GAS	VIT		
		Aflas/Graphite/Peek	PTFE Labyrinth/Peek	PURE PTFE/Peek	Graphite/Peek	Gas O-rings & Graphite/Peek	Viton	Aflas	C70M
Media	Water / hot water	■	■	■	■	■	■	■	■
	Mineral oil	■	■	■	■	■	■	■	■
	Heat-transfer oil	■	■	■	■	■	■	■	■
	Liquid gas / 1) cryogenic temperature	■	■	■	■	■	■	■	■
	Saturated steam	■	■	■	■	■	■	■	■
	Misc. gases	■	■	■	■	■	■	■	■
	Vacuum / full vacuum	■	■	■	■	■	■	■	■
	Hot steam (max. 300 °C)	■	■	■	■	■	■	■	■
	Ammonia	■	■	■	■	■	■	■	■
	Oxygen	■	■	■	■	■	■	■	■
Operating conditions	Standard utilization	■							
	High number of cycles	■	■	■	■	■	■	■	■
	Frequent temperature changes	■	■	■	■	■	■	■	■
	Fire safety (Fire-Safe)	■	■	■	■	■	■	■	■
	Chemical industry	■	■	■	■	■	■	■	■
	Abrasive media	■	■	■	■	■	■	■	■
	Temperature range (°C)	-20 * | +300	-196 | +300	-196 | +300	-85 | +400	-15 | +150	-15 | +150	-20*/+250	-35/+125
Certifications	VDI 2440 (TA-Luft)	+	+	+		+		+	
	ISO15848-1	+							
	DVGW/ÖVGW					+			
	Fire-Safe	+				+			

Sealing elements

	FF	PP	MM	SS	VV	KK	GG
	Standard KFC Fire-Safe	PTFE	Metal	Metal special	Viton	Standard KFC	Gas KFC Fire-Safe
Media	■	■	■	■	■	■	■
	■	■	■	■	■	■	■
	■	■	■	■	■	■	■
	■	■	■	■	■	■	■
	■	■	■	■	■	■	■
	■	■	■	■	■	■	■
	■	■	■	■	■	■	■
	■	■	■	■	■	■	■
	■	■	■	■	■	■	■
	■	■				■	■
Operating conditions	■						■
	■	■	■	■	■	■	■
	■	■	■	■	■	■	■
	■	■	■	■	■	■	■
	■	■	■	■	■	■	■
	■	■	■	■	■	■	■
	■	■	■	■	■	■	■
	-60/+300	-196/+200	-60/+300	-60/+400	-15/+150	-60/+300	-60/+300
Certifications	+					+	+
	+						+
							(+)
	+						+

1) Combined with cryogenic temperature extension and sealing element
* O-rings for less temperature optionally available.