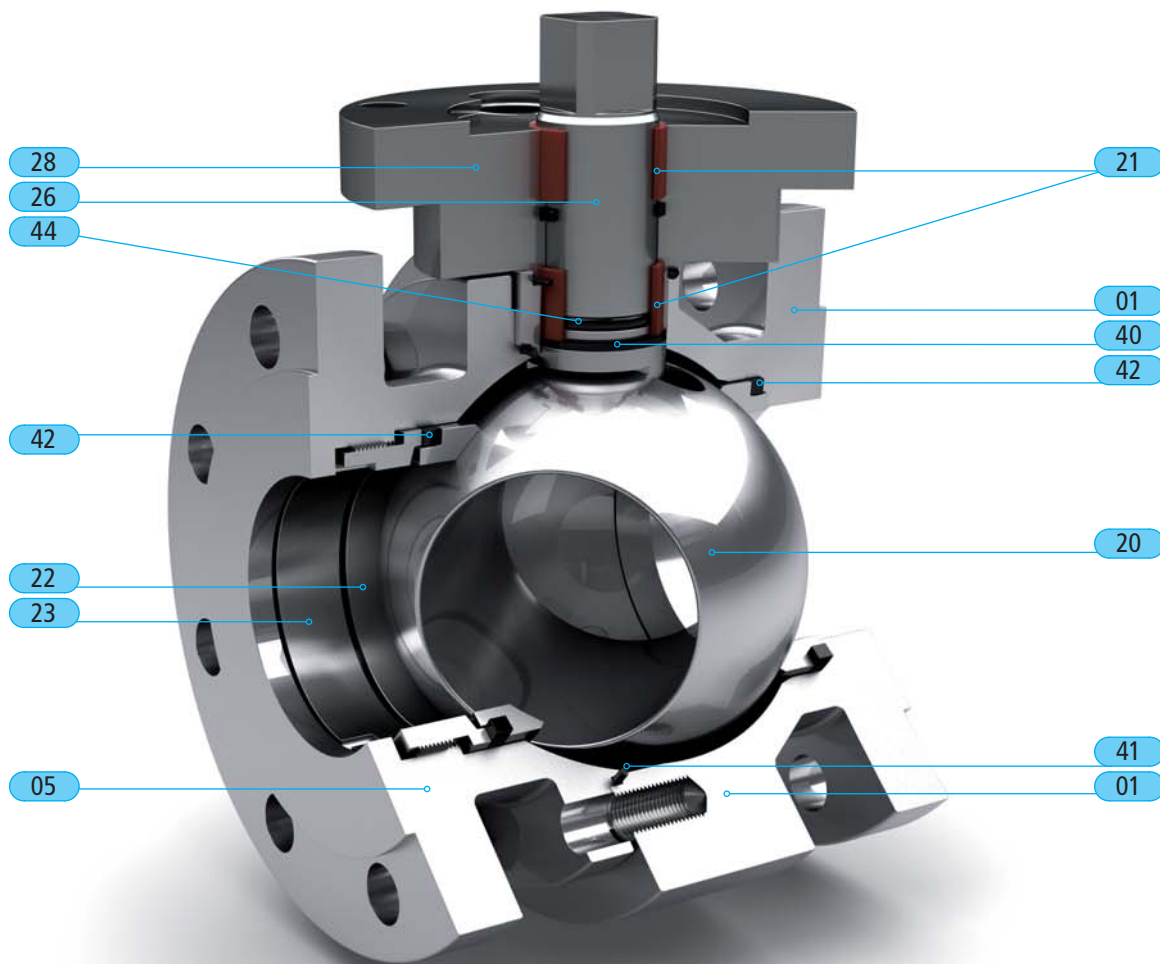


BALL VALVE • KBR

MATERIALS / MATERIAL OPTIONS:



Item	Part description	Materials	Material options
01	Housing	1.4301	1.4571 - C22.8
05	Flange	1.4301	1.4571 - C22.8
20	Ball	30EH	
21	Bearing bushes	DU	
22	Seat ring	1.4462/KVT433	Al ₂ O ₃
23	Screwed ring	1.4301	1.4571 - C22.8
26	Stem shaft	1.4301	1.4462
28	Bonnet flange	1.4301	1.4571 - C22.8
40	Slide plate	Graphite	
41	Housing seal	Viton	Graphite
42	Spring element	Graphite	
43	Cover flange seal	Viton	Graphite
44	CW seal	Viton	FFKM(Kalrez)- Graphite
	Housing screws	A2-70	
	Cover flange screws	A2-70	

FUNCTION:

The CeraValve type KBR is a particularly robust, metallic ball valve for the open/close function for abrasive and excessive abrasive media, preferred for applications when pneumatically transporting bulk materials. Both the stem shaft as well as the stem shaft insert and the seats are designed in a particularly stable manner.

The valve can be pressurised from both sides. The functional principle is based upon the floating ball (trunnion mounted ball as of DN 150/6"). The seat rings are pressed against the ball by means of spring elements. The round geometrical shape of the ball bore is standard.

This ball valve has a "two part body" design.

These valves are available with manual lever or gear box, as well as with pneumatic, electric and hydraulic actuators.

All customary actuators can be used as ¼-turn valve actuators. Special connections are possible.

NOMINAL SIZE RANGE:

DN 32 (1 1/4") to DN 300 (12")

PRESSURE RANGE:

PN 10 to PN 40

ANSI class 150 and class 300

Other nominal pressure ranges on request

OVERALL LENGTH:

DIN overall lengths according to EN 558-1 Series 27

ANSI class 150 overall lengths according to EN 558-2 Series 3 (up to 4") and Series 12 (from 5")

ANSI class 300 overall lengths according to EN 558-2 Series 4

OPTIONS:

Diverse metallic materials

Wear protection bushing in the outlet

Seats manufactured from ceramic

TEMPERATURE RANGE:

Standard: -30 °C to +180 °C / -22 °F to +356 °F

Up to 310 °C / 590 °F possible with Kalrez and graphite

TYPICAL APPLICATION AREAS:

Pneumatic conveying:

- Bulk material silo, silo drain valve,
Conveying valve for media such as: Fly ash, cement, glass, sand, plaster, ore...

Power plants:

- Fly ash, plaster, lime ...

Steel works:

- Ore, coal, coke...