



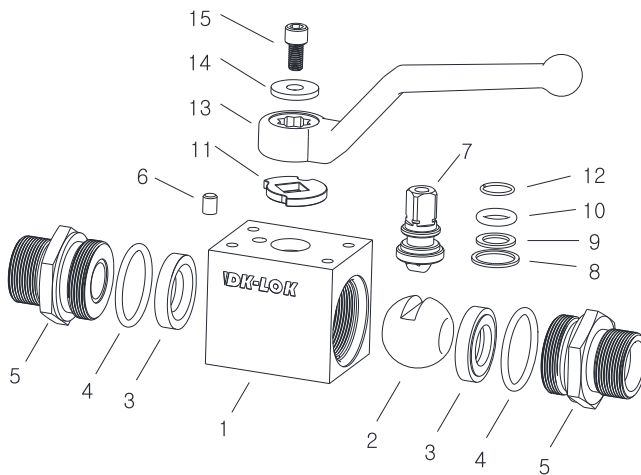
Features

- Pressure Rating up to 500 bar (7,250 psi)
- Positive stop with robust stop pin
- Various end ports including DIN Standard port

Features

- Hydraulic fluids
- Compressed Air
- Fuel oil system

Material of Construction



Component	Valve Body Material	
	Stainless Steel	Carbon Steel
	Grade/ASTM, JIS Specification	
1. Body	SS316/A276	S45C
2. Ball	SS316/A276	SS316/A276
3. Seat	POM	
4. o-ring	FKM	NBR
5. Connector	SS316/A276	S45C
6. Pin	SS316	
7. Stem	SS316/A276	S45C
8. Bearing	POM	
9. Stem ring	POM	
10. Stem o-ring	FKM	
11. Stopper	SS304	
12. Snap ring	SS304	
13. Handle	SS316	S45C
14. Washer	SS304	
15. Screw	SS304	SS41

- Wetted parts and lubricants listed in blue.
- Fluorinated-based lubricant

Factory Testing

Every valve is tested with nitrogen gas @ 1000 psig(68bar) for leakage at the seat to a maximum allowable leak rate of 0.1 SCCM. The stem packing is tested with nitrogen gas@1000 psig for no detectable leakages.

Optional Seat Material

Rating based on valve with standard POM seat.

Seat	Temperature Rating ° C (°F)
POM, PEEK	-30 to 100 (-22 to 212)
PTFE	-54 to 65 (-65 to 149)

Optional O-ring Materials

FKM O-Rings are standard. Add the designator to the ordering number for valve with optional O-ring material.

O-ring Materials	Designator	Temperature Rating ° C (°F)
FKM	Nil	-23 ~ 190 (-10 ~375)
NBR	BN	-23 ~ 121 (-10 ~ 250)
EPDM	EP	-45 ~ 148 (-50 ~ 300)
FFKM	KZ	-30 ~ 210 (-22 ~ 410)

