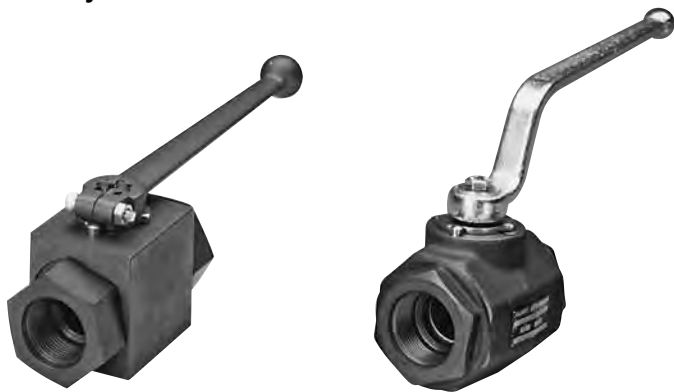


HIGH PRESSURE BALL VALVES

KHB & KHM Series

2-way Ball Valves with SAE & NPT Connections



KHB Series
Block Housing

KHM Series
Forged Housing

Specifications

- 1/4" - 2" Full Port Design
- NPT or SAE O-Ring Connections
- Carbon Steel or Stainless Steel Housings
- Block Housing: Sizes 06 - 25
- Forged Housing: Sizes 32 - 50
- Ball Seals: Polyacetal (*standard*)
- O-Rings: Fluoroelastomer (FPM) (*standard*)
- Operating Pressure: to 7250 psi depending on valve size and seal materials selected
- Temperature Range: 14°F to 176°F with standard materials (1114) up to maximum pressure rating. Extended temperature range -40°F to 392°F on request with special materials and reduced pressure rating (*see page A1-3*).

Model Code

KHB - 16 NPT - 1 1 1 4 - 11X - A - L - SO 1073

Housing Type

- KHB = Block Housing, Sizes 06 - 25
KHM = Forged Housing, Sizes 32 - 50

Nominal Sizes

Nom Size	SAE		NPT	
	Tube Size	Thread Size	Pipe Size	Pipe øD
06	-4	7/16-20 UNF	1/4"	0.540"
10	-6	9/16-18 UNF	3/8"	0.675"
16	-8	3/4-16 UNF	1/2"	0.840"
20	-12	1-1/16-12 UN	3/4"	1.050"
25	-16	1-5/16-12 UN	1"	1.315"
32	-20	1-5/8-12 UN	1-1/4"	1.660"
40	-24	1-7/8-12 UN	1-1/2"	1.900"
50	-32	2-1/2-12 UN	2"	2.375"

Connection Type

- NPT = ANSI/ASME 1.20.1 Taper Pipe Thread
SAE = SAEJ1926 Ports with ISO 725 Threads and O-Ring Sealing

Body Material

- 1 = Carbon Steel
3 = Stainless Steel

Spindle and Ball Material

- 1 = Carbon Steel (*ball is chrome plated, spindle is zinc plated*)
3 = Stainless Steel

Ball Seal Material

- 1 = Polyacetal (*standard*)
3 = PTFE (*1500 psi max*)
8 = PEEK

O-Ring Material

- 2 = NBR (*Buna*)
3 = PTFE Spindle Seals and FPM (*fluoroelastomer*) O-Rings (*1500 psi max*)
4 = FPM (*fluoroelastomer*) (*standard*)
5 = EPR

Handle Codes

- 09x = Without Handle (*see page A1-24 to order handle separately*)
11x = Straight Aluminum, Sizes 06-25
16x = Offset Steel, Sizes 32-50
18x = Offset Stainless Steel - option for stainless valves size 06-50

Housing Surface Finish

- A = Zinc plated (*standard for all carbon steel valves*)
(omit) = No plating for Stainless Steel

Locking Device Option

- L = Locking Device (*see page A1-22 to order locking device separately*)
LS = Locking Device with 5 amp Limit Switch, Available for sizes 20-50 (*Not available with PTFE Spindle Seals*)

Options*

- SO 940 = Top mounting holes (*Only available on sizes 06-25 KHB series*)
SO 1073 = Side mounting holes (*Only available on sizes 06-25 KHB series*)
SW09 = Reduced port (*Only available on size 16 KHB series in both SAE & NPT*)

*Note: See page B5 for details on mounting hole options SO 1073 and SO 940.