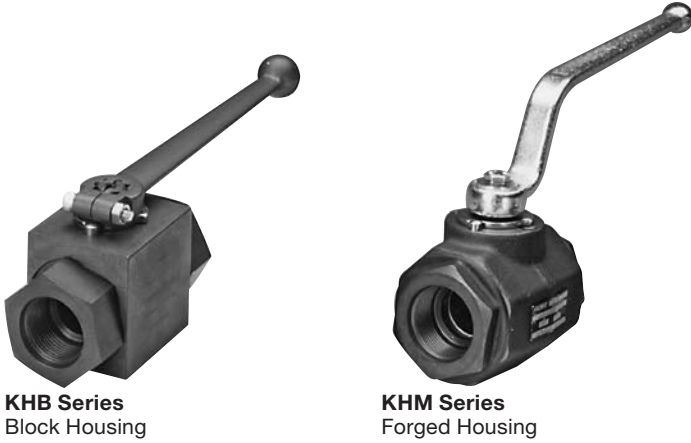


HYDAC High Pressure Ball Valves

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
- Polyacetal Ball Seals (*standard*)
- FPM (Fluoroelastomer) O-Rings (*standard*)
- Carbon Steel Housing
- Block Housing - Sizes 06 - 25
- Forged Housing - Sizes 32 - 50
- Operating Pressure to 7250 psi Depending on Valve Size and Seal Materials Selected
- Temp Range: 14°F to 176°F with Standard materials (1114) up to max. pressure rating. Extended Temperature range -40°F to 392°F on request with special materials and reduced pressure rating (see page 24).

Model Code

KHB - 16 NPT - 1 1 1 4 - 11X - L

Housing Type

- KHB = Block Housing, Carbon Steel - Sizes 06 - 25
- KHM = Forged Housing, Carbon Steel - Sizes 32 - 50
- KHM = Forged Housing, Stainless Steel - Sizes 06 - 50 (see page 12 for details)**

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 (*phosphate coated*)
- 3 = Stainless Steel (see page 12 for ordering details)**

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 24 to order handle separately*)
- 11x = Straight Aluminum, Sizes 06-25
- 16x = Offset Steel, Sizes 32-50

Locking Device Option

- L = Locking Device (*see page 21 to order locking device separately*)
- LS = Locking Device with 5 amp Limit Switch, Available for sizes 20-50 (Not available with PTFE Spindle Seals)**

Model Codes containing selections listed in RED are non-standard items – Minimum quantities will apply – Contact HYDAC for information and availability
Not all combinations are available