

## Introduction

HYDAC ball valves are developed and constructed in response to problems encountered in everyday practice.

The requirements placed on the products are:

- Functionality
- Value for money
- Quality
- Safety
- Service life
- Standard model availability
- Flexibility

HYDAC's ball valve design department is equipped with the most modern computer assisted systems (CAD), which also make it possible to quickly and cost-effectively implement customer-specific solutions.

The manufacture of our products is highly vertically integrated and our modern machine park enables both efficient series manufacture as well as flexible reactions to customer request. On completion of the product assembly, each item is 100% tested and our product-specific orientation ensures optimum functionality at a consistently high quality level. The comprehensive extreme tests constantly carried out in our laboratories confirm the high requirements placed on our products.

HYDAC ball valves can be tested for approvals, standards such as DVGW and "fire safe", and to all standards and specifications. Apart from the standard ball valves HYDAC offers a wide range of customer-specific solutions.

HYDAC ball valves offer you the following

- Full-flow passage to ensure unrestricted flow of the medium.
- Self-sealing due to sealing principle with floating ball
- Easy actuation, even at high pressures
- Maintenance-free, no adjustment of the seal necessary
- 100 % individual tests of the ball valves All of our company procedures such as development, production, assembly and maintenance are organised within an effective quality management system.

HYDAC is certified to DIN ISO 9001 11.



HYDAC Accessories plant, Sulzbach

## NOTE

The information in this brochure relates to the operating conditions and applications

For applications and operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.

**HYDAC Accessories GmbH** Hirschbachstr. 2 66280 Sulzbach/Saar

Tel.: +49 (0)6897 - 509-01 Fax: +49 (0)6897 - 509-1009 Internet: www.hydac.com E-Mail: info@hydac.com

## Catalogue overview

Ball Valves	KHB KHM	DN04 - 25 DN32 - 50	up to PN500	11
Ball Valve with DKO connection	KHB DKO	DN04 - 25	up to PN500	17
Ultra-high Pressure Ball Valves	KHBH KHMH	DN04 - 25	up to PN800	21
Three-Piece High-Pressure Ball Valve	КНВ3Н	up to DN40	PN420	25
Low Pressure Ball Valves	KHNVN KHNVS KHN	DN06 - 100	PN4 - PN50	29
Stainless Steel Low Pressure Ball Valves	KHNVN KHNVS	DN04 - 80	PN25 - PN140	33
Weld-Type Low Pressure Ball Valves	KHM3S	DN08 - 100	PN16 - PN64	37
Flanged Ball Valves	KHBF KHMF KHMFF	DN16 - 50	up to PN315	41
Flange Type Ball Valves DN65 – 125	KHMFF	up to DN125	up to PN16	45
Flanged Ball Valves	KHFF	DN65 - 300	PN10 - PN40	49
ANSI Flange Ball Valves	KHBF KHMF	DN16 - 50	ANSI class 150 - 2500	53
SAE Flanged Ball Valves	KHB-F3/6 KHM-F3/6	up to DN50	up to PN420	57
SAE Threaded / Split Flange Ball Valves	KHBGS-F3/6 KHMGS-F3/6	up to DN50	up to PN420	61
SAE Threaded Flange Ball Valve	KHBG-F3/6 KHMG-F3/6	up to DN50	up to PN420	65
SAE Fixed Flange Ball Valves	KHF3	DN65 - 125	up to PN160	69
SAE Fixed Flange Ball Valves	KHF3/6	up to DN80	up to PN420	71
Direct Flange Ball Valves	KHDF3 KHDF6	up to DN80	up to PN420	75
	Ball Valve with DKO connection  Ultra-high Pressure Ball Valves  Three-Piece High-Pressure Ball Valves  Stainless Steel Low Pressure Ball Valves  Weld-Type Low Pressure Ball Valves  Flanged Ball Valves  Flange Type Ball Valves  DN65 – 125  Flanged Ball Valves  ANSI Flange Ball Valves  SAE Flanged Ball Valves  SAE Threaded / Split Flange Ball Valves  SAE Threaded Flange Ball Valves  SAE Threaded Flange Ball Valves  SAE Fixed Flange Ball Valves	Ball Valve with DKO connection  Witra-high Pressure Ball Valve High-Pressure Ball Valves  KHBH KHMH  KHBJH  KHBJH  KHBJH  KHBJH  KHBJH  KHNVN KHNVS KHNVS KHNVS KHNVS KHNVS KHNVS  KHNVS  KHNVS  KHNVS  KHNVS  KHNVS  KHNVS  KHNVS  KHNVS  KHNVS  KHNVS  KHNVS  KHNVS  KHNVS  KHNVS  KHNVS  KHNVS  KHNVS  KHMF  KHMFF  Flanged Ball Valves  KHBF KHMF KHMFF  Flange Type Ball Valves  KHFF  ANSI Flanged Ball Valves  KHBF KHMF  KHBF KHMF  SAE Flanged Ball Valves  KHB-F3/6 KHB-F3/6 KHBGS-F3/6 KHMGS-F3/6 KHMGS-F3/6 KHMGS-F3/6 KHMG-F3/6  SAE Fixed Flange Ball Valves  KHF3  SAE Fixed Flange Ball Valves  KHF3  KHF3/6	Ball Valve with DKO connection  KHB DKO  DN04 - 25  WHB DKO  Ultra-high Pressure KHBH KHMH  DN04 - 25  Three-Piece High-Pressure Ball Valves  KHB3H  Low Pressure Ball Valves  KHNVN KHNVS KHN  Stainless Steel Low Pressure Ball Valves  KHNVN KHNVS  Weld-Type Low Pressure Ball Valves  KHMS  DN06 - 100  KHBF KHMF  Flanged Ball Valves  KHMF  DN16 - 50  KHBF KHMF  Flanged Ball Valves  KHFF  DN16 - 50  KHBF KHMF  Flanged Ball Valves  KHBF KHMF  DN16 - 50  KHBF KHMF  Flanged Ball Valves  KHBF KHMF  DN16 - 50  KHBF KHMF  DN16 - 50  KHBF KHMF  SAE Flanged Ball Valves  KHBFS3/6  KHBFS3/6  KHBFS3/6  KHBGS-F3/6  KHBGS-F3/6	Ball Valve with DKO connection  KHM DN32 - 50 Up to PN500  Ball Valve with DKO connection  KHB DKO DN04 - 25 Up to PN500  Ultra-high Pressure Ball Valves  KHBH KHMH DN04 - 25 Up to PN800  Three-Piece High-Pressure Ball Valves  KHB3H Up to DN40 PN420  Low Pressure Ball Valves  KHNVN KHNVS DN06 - 100 PN4 - PN50  Stainless Steel Low Pressure Ball Valves  KHMSD DN04 - 80 PN25 - PN140  Weld-Type Low Pressure  Ball Valves  KHMSD DN08 - 100 PN16 - PN64  Weld-Type Low Pressure  KHMSD DN08 - 100 PN16 - PN64  Flanged Ball Valves  KHMFF DN16 - 50 Up to PN315  Flange Type Ball Valves  KHMFF Up to DN125 Up to PN16  Flange Ball Valves  KHFF DN65 - 300 PN10 - PN40  ANSI Flange Ball Valves  KHBF KHMF  DN16 - 50 ANSI class 150 - 2500  SAE Flanged Ball Valves  KHBG-F3/6 KHM-F3/6 Up to DN50 Up to PN420  SAE Threaded / Split Flange  Ball Valves  KHBG-F3/6 KHMGS-F3/6 Up to DN50 Up to PN420  SAE Threaded Flange  Ball Valves  KHF3 DN65 - 125 Up to PN160  SAE Fixed Flange Ball Valves  KHF3/6 Up to DN80 Up to PN420  Up to PN420  SAE Fixed Flange Ball Valves  KHF3/6 Up to DN80 Up to PN420

Direct Flange Ball Valve	KHZF3 KHZF6	up to DN50	PN420	79
ISO 6164 Flanged Ball Valves	KHF	DN13 - 80	up to PN400	81
3/2 Way Ball Valves	КНВ3К	up to DN50	up to PN500	85
Change-Over Low Pressure Ball Valves	KHN3K	up to DN45	up to PN25	91
3-Way and 4-Way Ball Valves	KH3 KH4	up to DN20	up to PN500	93
3-Way and 4-Way Manifold Mounted Ball Valves	KH3P KH4P	DN06 - 20	up to PN400	97
Manifold Mounted Ball Valves	KHP KHP3K	DN06 - 50	up to PN500	101
Spring Return Isolator	НКНВ	DN13	up to PN350	105
Isolator Sandwich Plate	KHB4K KHB6K	DN06 DN10	PN315 PN315	109
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Ball Valves with Pneumatic Actuator		DN04 - 50	up to PN500	119
Electrically Actuated Ball Valves		DN04 - 50	up to PN500	121
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Ball Valves with Electrical Limit Controls		up to DN50	up to PN500	127
Handles	SW06 - 22			131
3-Way Safety Block	DSV	DN10	up to PN350	135
Compatibility List for 2/2-, 3/2- and 4/2-Way Ball Valves				147
	ISO 6164 Flanged Ball Valves  3/2 Way Ball Valves  Change-Over Low Pressure Ball Valves  3-Way and 4-Way Ball Valves  3-Way and 4-Way Manifold Mounted Ball Valves  Spring Return Isolator  Isolator Sandwich Plate  Ball Valve Combinations  Ball Valves with Pneumatic Actuator  Electrically Actuated Ball Valves  Lockable Ball Valves  Lockable Ball Valves  Handles  3-Way Safety Block  Compatibility List for 2/2-, 3/2- and 4/2-Way	ISO 6164 Flanged Ball Valves  3/2 Way Ball Valves  Change-Over Low Pressure Ball Valves  3-Way and 4-Way Ball Valves  Manifold Mounted Ball Valves  Manifold Mounted Ball Valves  Spring Return Isolator  Isolator Sandwich Plate  KHB4K KHB6K  Ball Valve Combinations  Ball Valves with Pneumatic Actuator  Electrically Actuated Ball Valves  Ball Valves  Ball Valves  Lockable Ball Valves  Ball Valves  Ball Valves  Ball Valves  Compatibility List for 2/2-, 3/2- and 4/2-Way	ISO 6164 Flanged Ball Valves  KHF  ISO 6164 Flanged Ball Valves  KHB3K  Up to DN50  Change-Over Low Pressure Ball Valves  KHN3K  Up to DN45  3-Way and 4-Way Ball Valves  KH3P KH4  Up to DN20  KH3P KH4P  DN06 - 20  Manifold Mounted Ball Valves  KHP3K  DN06 - 50  Spring Return Isolator  KHB4K  KHB6K  DN13  Isolator Sandwich Plate  KHB4K KHB6K  DN06  Ball Valve Combinations  Ball Valves  DN04 - 50  Electrically Actuated Ball Valves  Lockable Ball Valves  Ball Valves  Up to DN50  Ball Valves  Up to DN50  Ball Valves  Up to DN50  Handles  SW06 - 22  3-Way Safety Block  DSV  DN10	ISO 6164 Flanged Ball Valves  KHF  DN13 - 80  up to PN400  Change-Over Low Pressure Ball Valves  KHB3K  up to DN45  up to PN500  Change-Over Low Pressure Ball Valves  KH3 KH4  up to DN20  up to PN500  3-Way and 4-Way Ball Valves  KH3P KH4P  DN06 - 20  up to PN400  Manifold Mounted Ball Valves  KHB3K  MP KHP3K  DN06 - 50  up to PN500  Spring Return Isolator  HKHB  DN13  up to PN350  Isolator Sandwich Plate  KHB4K KHB6K  DN06  DN06  Ball Valve Combinations  Ball Valves with Pneumatic Actuator  Electrically Actuated Ball Valves  Up to DN50  up to PN500  Up to PN500  DN04 - 50  up to PN500  Lockable Ball Valves  up to DN50  up to PN500  up to PN500  Lockable Ball Valves with Electrical Limit Controls  SW06 - 22  3-Way Safety Block  DSV  DN10  up to PN350  Up to PN350  Compatibility List for 2/2-, 3/2- and 4/2-Way