

**HYDAC**

**INTERNATIONAL**

**Ball valves**



# 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 benefits:

- 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 described.

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](http://www.hydac.com)  
E-Mail: [info@hydac.com](mailto:info@hydac.com)

## Catalogue overview

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

	<b>Direct Flange Ball Valve</b>	KHZF3 KHZF6	up to DN50	PN420	<b>79</b>
	<b>ISO 6164 Flanged Ball Valves</b>	KHF	DN13 - 80	up to PN400	<b>81</b>
	<b>3/2 Way Ball Valves</b>	KHB3K	up to DN50	up to PN500	<b>85</b>
	<b>Change-Over Low Pressure Ball Valves</b>	KHN3K	up to DN45	up to PN25	<b>91</b>
	<b>3-Way and 4-Way Ball Valves</b>	KH3 KH4	up to DN20	up to PN500	<b>93</b>
	<b>3-Way and 4-Way Manifold Mounted Ball Valves</b>	KH3P KH4P	DN06 - 20	up to PN400	<b>97</b>
	<b>Manifold Mounted Ball Valves</b>	KHP KHP3K	DN06 - 50	up to PN500	<b>101</b>
	<b>Spring Return Isolator</b>	HKHB	DN13	up to PN350	<b>105</b>
	<b>Isolator Sandwich Plate</b>	KHB4K KHB6K	DN06 DN10	PN315 PN315	<b>109</b>
	<b>Ball Valve Combinations</b>		up to DN50	up to PN500	<b>113</b>
	<b>Ball Valves with Pneumatic Actuator</b>		DN04 - 50	up to PN500	<b>119</b>
	<b>Electrically Actuated Ball Valves</b>		DN04 - 50	up to PN500	<b>121</b>
	<b>Lockable Ball Valves</b>		up to DN50	up to PN500	<b>123</b>
	<b>Ball Valves with Electrical Limit Controls</b>		up to DN50	up to PN500	<b>127</b>
	<b>Handles</b>	SW06 - 22			<b>131</b>
	<b>3-Way Safety Block</b>	DSV	DN10	up to PN350	<b>135</b>
	<b>Compatibility List for 2/2-, 3/2- and 4/2-Way Ball Valves</b>				<b>147</b>