

## ERHARD Ball Valves, PN 63

of cast steel GS-24 Mn5,  
with stem gearbox and handwheel

Range of application: water, sewage, sludge<sup>1)</sup>

Size DN	Pressure rating PN	Hydrost. test pressure in bars for		Max. admissible working pressure in bars at a work. temp. of up to 50 °C
		body	seat	
80 - 1000	63	94,5	69,3	63

When placing the order, please specify working pressure, flow rate, flow medium, and working temperature.

Flanges B2, type 21, connecting dimensions and thickness EN 1092-1.

Materials/Equipment<sup>3)4)5)</sup>

Corrosion protection	<b>EKB</b> epoxy coating, blue, RAL 5015
Body	Cast steel GS-24 Mn5
Ball plug DN 80 - 350 DN 400 - 1000	Ductile cast iron EN-JS1050 <sup>7)</sup> Ductile cast iron EN-JS1025 <sup>8)</sup>
Body seat, internal bolts, drive shaft, and trunnion	Stainless steel
Ball sealing ring	Elastomer
Clamping ring	Ductile cast iron EN-JS1050 <sup>7)</sup> / <b>EKB</b> Stainless steel <sup>6)</sup>
Bearing bushes	Bronze
Gearbox case	Cast iron
Gearbox fork	Ductile cast iron EN-JS1050 <sup>7)</sup>
Stem nut	Special brass
Stem	Stainless steel
Gearbox arrangement	On the right seen in flow direction A

Dimensions

Size DN	Face-to- face dim. L mm	Height			Flange dia. D mm	Hand- wheel dia. d mm	Space requirement		Hand- wheel turns per travel approx.	Weight <sup>2)</sup> kg	Volume m <sup>3</sup>
		h <sub>1</sub> mm	h <sub>2</sub> mm	h <sub>3</sub> mm			e <sub>1</sub> mm	e <sub>2</sub> mm			
80	310	—	—	238	215	200	150	246	25	63	0,05
100	350	—	—	237	250	200	165	260	25	80	0,06
125	400	—	—	314	295	250	180	345	29	116	0,08
150	450	—	220	313	395	250	220	360	29	185	0,14
200	550	~ 215	290	350	415	350	270	430	36	335	0,21
250	650	~ 258	330	460	470	350	330	455	37	480	0,27
300	750	~ 295	385	510	530	500	380	520	51	780	0,57
350	850	350	448	660	600	250	460	620	228	1300	0,9
400	950	380	500	660	670	250	500	650	228	1570	1
450	1050	420	560	760	715	500	550	720	284	2100	1,3
500	1150	470	620	760	880	500	620	790	284	2600	1,7
600	1350	550	670	900	930	720	720	930	488	4600	2,7
700	1550	635	790	900	1075	720	760	980	428	5200	3,75
800	1750	710	890	940	1165	720	900	1120	468	7000	5,1
900	1950	780	850	940	1285	720	950	1160	468	8000	6,7
1000	2150	865	1100	940	1415	720	1000	1250	468	9500	9

<sup>1)</sup> Other flow media on request.

<sup>2)</sup> Net (without obligation).

<sup>3)</sup> DN 350 and larger with lifting lugs.

<sup>4)</sup> With inspection orifice, electric, hydraulic, pneumatic or weight-loaded hydraulic actuator on request.

<sup>5)</sup> On request for buried service.

<sup>6)</sup> Depending on the ball sealing ring.

<sup>7)</sup> Corresponding to former DIN description 0.7050 (GGG-50).

<sup>8)</sup> Corresponding to former DIN description 0.7043 (GGG-40.3).

epoxy coating  
**EKB**  
epoxy coating

