

ERHARD-Wedge Gate Valves to DIN 3352-3B and 3E

of cast iron, with outside stem thread

Range of application

Size DN	Pressure rating PN ¹⁰⁾	Hydrost. test pressure in bars for		Max. admissible working pressure ¹⁾ in bars at a working temperature of up to 70° C for liquids, gases and vapours
		body	seat	
40 - 150	10	17	11	10
200 - 300	6	12	6,6	6
350 - 500	4	6	4,4	4
600 - 700	2,5	3,75	2,75	2,5
800	1,6	2,4	1,76	1,6
900 - 1000	1	1,5	1,1	1

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

Flange B DN 40 - 150, PN 16, GI, type 21, EN 1092-2, rising stem and handwheel ⁴⁾

Flange B DN 200 - 1000, PN 10, GI, type 21, EN 1092-2, rising stem, non-rising handwheel

Materials

Corrosion protection	EKB epoxy coating, blue, RAL 5015
Body components, wedge	Lamellar cast iron EN-JL1040 ⁵⁾
Seat rings	Stainless steel at least 13% chrome or nickel alloy > 60% nickel
Stem	Ferritic chrome steel (at least 13% chrome)
Stem nut	Cast iron EN-JS 1030 ⁶⁾
Threaded bush	Brass
Seals	Soft material
Stem seal	Soft material, adjustable
Connecting bolts	Stainless steel A2, DIN-ISO 3506
Handwheel	Cast iron

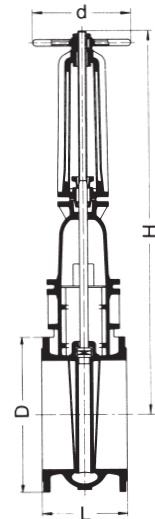
The valve is closed by turning the stem in clockwise direction.

1081 1973 DN 40 - 150: with yoke-bolted bonnet and rising handwheel.
DIN 3352-3E.

1082 1973 DN 200 - 1000: with yoke-bolted bonnet, threaded bush and non-rising handwheel.
DIN 3352-3B.

Dimensions

Size DN	Face-to-face dimension L mm	Height (approx.) H		Flange dia. D mm	Handwheel dia. d mm	Stem turns per travel ²⁾ approx.	Weight (without handwheel) ³⁾ kg
		Open mm	Closed mm				
40	140	290	350	150	140	14	10
50	150	310	360	165	140	16	11
65	170	400	490	185	160	20	16
80	180	420	520	200	160	20	21
100	190	480	600	220	180	23	26
125	200	580	720	250	200	28	33
150	210	620	800	285	200	34	37
200	230	780	1000	340	225	44	67
250	250	930	1200	395	280	54	100
300	270	1080	1410	445	320	64	127
350	290	1320	1700	505	360	62	173
400	310	1470	1900	565	360	71	235
500	350	1820	2360	670	500	74	380
600	390	2050	2690	780	500	90	560
700	430	2300	3050	895	640	106	960
800	470	2700	3580	1015	720	105	1300
900	510	2980	3940	1115	800	105	1500
1000	550	3200	4240	1230	800	116	2700

 epoxy coating
EKB
 epoxy coating


- ¹⁾ Not suitable for combustible gases to DVGW reference sheet G260/I.
- ²⁾ Stem turns refer to single trapezoidal thread to DIN 103.
- ³⁾ Net (without obligation).
- ⁴⁾ For DN 80, please specify if to be drilled with 4 or 8 holes.
- ⁵⁾ Corresponds to former DIN description 0.6125 (GG-25).
- ⁶⁾ Corresponds to former DIN description 0.7040 (GGG-40).
- ⁷⁾ Corresponds to former DIN 0.7050 (GGG 50)
- ⁸⁾ Corresponds to EN 558-1, TFT basic serie 14 (DIN 3202, basic serie F4)
- ⁹⁾ Corresponds to EN 12266 and EN 1074
- ¹⁰⁾ Upper pressure rating on request

On request: with electric actuator for higher temperature, with other body materials (GGG-50).

On request with maintenance-free stem seal (temperature max. 70 °C) with indicating device and flushing device, flanges to ANSI, BS.