

## ERHARD Diaphragm Valves, Weir Type "B" straight pattern, to DIN 3359-GE1

of ductile cast iron with screwed pipe connection

### Range of application

Size DN	Pressure rating PN	Hydrost. test pressure <sup>4)</sup> in bars for		Max. adm. working pressure in bars at a working temperature of max. + 120 °C <sup>3)</sup>
		body water	seat water	
8/10 - 50	10	17	11	10

When placing the order, please specify flow medium, working pressure, and working temperature. Specify if vacuum service is required.

**Connecting threads** according to DIN ISO 228.

### Materials/Equipment

Body	Ductile cast iron EN-JS1030 <sup>5)</sup>
Bonnet	Ductile cast iron EN-JS1030 <sup>5)</sup>
Diaphragm	Grade according to working conditions <sup>1)</sup>
Stem	Ferritic chrome steel
Threaded bush	Brass
Connecting bolts	Steel
Handwheel	Cast iron
Corrosion protection	Prime coat: chlorine-free caoutchouc derivative with modified alkyd resin, KTW <sup>4)</sup> approval Additionally external: synthetic resin varnish, sky blue, RAL 5015.

### Features

Straight pattern, without stuffing-box, absolutely leaktight, with rising stem and non-rising handwheel. The valve is closed by turning the handwheel in clockwise direction. The travel stop is also serving as indicating device. Provided with grease nipple for lubrication of threaded bush and stem. Diaphragm can be replaced without removing the valve from the pipeline.

### Dimensions

Size DN	Connecting thread d <sub>1</sub>	Height (approx.) H mm	Face-to- face dim. L <sup>6)</sup> mm	Width across flats SW mm	Handwheel dia. d <sub>2</sub> mm	Weight <sup>2)</sup> approx. kg
8/10	G 3/8	95	85	32	80	1,0
15	G 1/2	95	85	32	80	1,0
20	G 3/4	110	100	41	120	1,5
25	G 1	120	115	46	120	2,0
32	G1 1/4	145	130	55	120	3,0
40	G1 1/2	145	150	65	120	4,0
50	G 2	175	180	75	140	6,0

<sup>1)</sup> Diaphragm grade according to working pressure, flow medium, and working temperature.

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

<sup>3)</sup> Depending on diaphragm grade.

<sup>4)</sup> According EN 12266 and EN 1074.

<sup>5)</sup> Corresponding to former DIN description 0.7040 (GGG-40).

<sup>6)</sup> According DIN 3203 part 4, basic serie M2.

When Diaphragm Valves in hot water plants are subject to temperature changes at long intervals, the user has to reckon with slacking of the elastomer diaphragm where it is clamped between body and bonnet. Retensioning of the bonnet bolts could become necessary. If such plants are equipped with insulation against loss of heat, we recommend to install ERHARD ECLS Butterfly Valves.

**Warning note:** When using flow media endangering the environment and detrimental to health, pay attention to the relevant legal rules and regulations as well as to the regulations for prevention of accidents, AD prints, DVGW regulations, and similar. Moreover, valve design with safety sealing device, e. g. Prod. No. 7300 0772, has to be chosen for such media, so that the medium cannot penetrate to the outside when the diaphragm breaks.

