

Specification for Drinking Water

ERHARD-Multamed-Gate Valve PN 16/10

of ductile cast iron GGG-50, with inside stem thread with PE-HD 100 pipe ends, blue, for butt welding on both sides

Range of Application: Drinking water (DIN-DVGW-reg.)

Gate Valve	Pressure rating	Pipe series to DIN 8074	Admissible working pressure in bars at a working temperature of up to 20° C
DN	PN		
50	10	SDR 17	10
80			
100			
150	16	SDR 11	16
200			

Tests: to EN 12 266 and DIN EN 1074

Connection

PE-HD pipe ends for butt welding to DIN 8074 on both sides.

Suitable for welding with PE-HD pipes and fittings, melt flow index group MFI 005 and 010 according to the guidelines of leaflet DVS 2207.

Materials / Equipment³⁾

Corrosion Protection	Vitreous enamel ⁴⁾ Internal: ERHARD vitreous enamel, colour „cobalt blue“ External: EKB Epoxy coating, colour „blue“, RAL 5015
Body Components	Ductile Cast Iron (GGG-50) EN-JS1050
Gate	Ductile Cast Iron (GGG-50) EN-JS1050
Rubber coating of the gate	Special Grade Elastomer NBR
Seals	Elastomer NBR, enclosed
Stem	Ferritic Chrome Steel
Stem nut, screwed bearing	Brass
Stem seal	Elastomer, self-sealing
Connecting bolts	Stainless Steel A2, DIN-ISO 3506 countersunk and grouted
Retaining muff	Steel, protected by heat-shrinkable sleeve
Pipe ends ²⁾	PE-HD 100, blue

The valve is closed by turning the stem in a clockwise direction.
Underground installation set available on request.

Dimensions

Size	Face-to-face dimension	Height (Approx)	Feet height	Stem square	Stem turns per travel ¹⁾	Weight (without hand-wheel) net approx. kg	Volume (without hand-wheel) approx. m ³	External pipe diameter x wall thickness (D x s2 mm) ³⁾
DN	L mm	H mm	h mm	s1 mm	approx.			
50	515	245	60	14	14	11	0.04	63 x 5.8 SDR 11
80	740	305	75	17	17	22	0.07	90 x 8.2 SDR 11
80	740	305	75	17	17	22	0.07	90 x 5.4 SDR 17
100	860	330	90	19	21	33	0.095	110 x 10 SDR 11
100	860	330	90	19	21	33	0.095	110 x 6.6 SDR 17
100	860	330	95	19	21	33	0.095	125 x 11.4 SDR 11
100	860	330	95	19	21	33	0.095	125 x 7.4 SDR 17
150	1020	415	115	19	31	62	0.185	160 x 14.6 SDR 11
150	1020	415	115	19	31	62	0.185	160 x 9.5 SDR 17
150	1020	415	125	19	31	62	0.185	180 x 16.4 SDR 11
150	1020	415	125	19	31	62	0.185	180 x 10.7 SDR 17
200	1020	510	150	24	34	120	0.369	225 x 20.5 SDR 11
200	1020	510	150	24	34	120	0.369	225 x 13.4 SDR 17

¹⁾ Stem turns referring single trapezoidal thread to DIN 103.

²⁾ Other materials on request.

³⁾ For details on ERHARD vitreous enamel: see leaflet no. 171.

For evaluating resistance to aggressive constituents of the flow medium, in addition to the compound material of ERHARD vitreous enamel, the other components such as stem, stem nut, rubber coating etc. have to be taken into account, too.

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