KNIFE GATE VALVES · STAINLESS STEEL

KGV-B-SS Bi-Directional Resilient Seat Knife Gate Valve

Bi-directional lugged knife gate valve in CF8M with a 316 knife, NBR resilient seat and PTFE + NBR gland packing. Ball bearing rising stem with position indicator. DN50 to DN600, Table E drilling.

CF8M · 316 | DN50 – DN600 | PN10 / 10 BAR | BI-DIRECTIONAL | TABLE E



FEATURES

- Stainless steel construction
- For potable water, waste water and slurry applications
- Lugged flange body
- Bi-directional — full pressure both directions
- NBR soft seat — bubble tight shut off
- Rising stem with position indicator and support plate
- Ball bearing stem nut for reduced operating effort
- Pressure rating 10 bar
- Working temperature −29 °C to 80 °C

STANDARDS & TESTING

- Design and manufacture to MSS SP-81
- Face to face to MSS SP-81
- Flange dimensions to AS 2129 Table E
- Test and inspect to MSS SP-81
- Shell test 1.5 MPa
- Closure test 1.1 MPa

MATERIALS

No	Part	Material
1	Body	CF8M
2	Seat	NBR
3	Knife	316 stainless
4	Packing	PTFE + NBR
5	Gland	CF8M
6	Nut and bolt	316 stainless
7	Position indicator	316 stainless
8	Support plate	316 stainless
9	Stem	316 stainless
10	Stem nut	Brass
11	Nut support	GGG40 + epoxy coating
12	Ball bearing	Steel
13	Hand wheel	Malleable cast iron
14	Union cap	Malleable cast iron

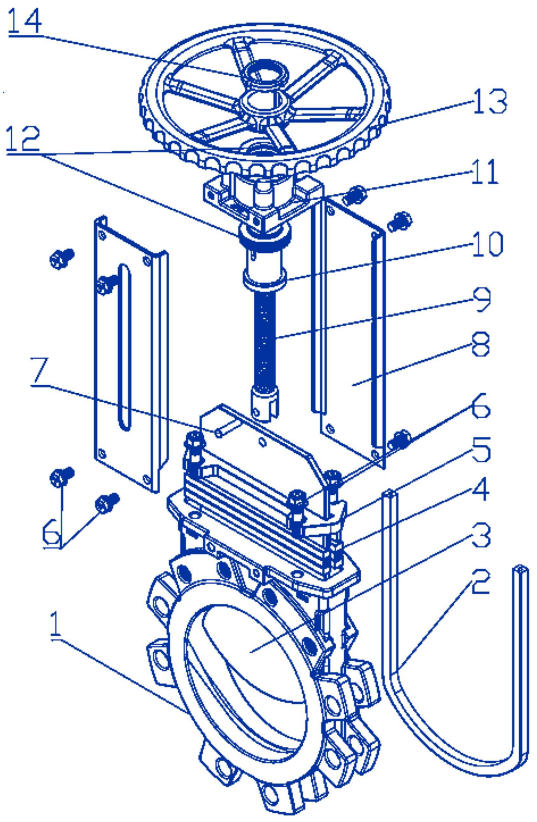


Fig. 1 — Exploded assembly, item numbers as tabled alongside.

MODEL CODE

KGV – 050 – B – SS – NBR – E – HW

KGV — knife gate valve

050 — nominal bore, DN50 to DN600

B — bi-directional

SS — CF8M / 316 stainless body

NBR — resilient seat material

E — AS 2129 Table E drilling

HW — hand wheel operation

DIMENSIONS

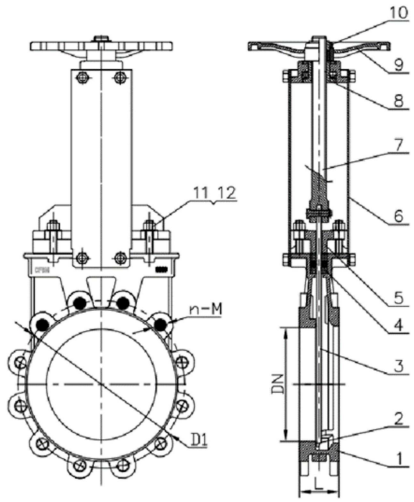


Fig. 2 — Face and sectional views: L face-to-face, D1 flange OD, n-M bolt holes.

Code	DN (mm)	Size	L (mm)	D1 (mm)	n-M	H1 (mm)	H (mm)	Weight (kg)
KGV050-B-SS-NBR-E-HW	50	2″	48	114	4-M16	60	280	7
KGV065-B-SS-NBR-E-HW	65	2 1/2″	51	127	4-M16	70	300	8
KGV080-B-SS-NBR-E-HW	80	3″	51	146	4-M16	95	350	10
KGV100-B-SS-NBR-E-HW	100	4″	51	165	4-M16	105	390	12
KGV125-B-SS-NBR-E-HW	125	5″	57	210	8-M16	120	420	15
KGV150-B-SS-NBR-E-HW	150	6″	57	235	8-M16	140	480	22
KGV200-B-SS-NBR-E-HW	200	8″	70	292	8-M16	160	600	32
KGV250-B-SS-NBR-E-HW	250	10″	70	356	8-M20	190	690	48
KGV300-B-SS-NBR-E-HW	300	12″	76	406	12-M20	232	780	62
KGV350-B-SS-NBR-E-HW	350	14″	76	470	12-M24	265	900	76
KGV400-B-SS-NBR-E-HW	400	16″	89	521	12-M24	290	1000	118
KGV450-B-SS-NBR-E-HW	450	18″	89	584	16-M24	315	1150	150
KGV500-B-SS-NBR-E-HW	500	20″	114	641	16-M24	340	1250	188
KGV600-B-SS-NBR-E-HW	600	24″	114	756	12-M30	415	1340	235

All dimensions in millimetres. H is overall height with the gate fully open; H1 is the body height to the top of the lugged flange. Flange drilling to AS 2129 Table E.

Designs, materials and specifications shown are subject to change without notice due to our continuing program of product development. Confirm critical dimensions with Global Water Group prior to fabrication.

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