



## VALVE AND FLOW CONTROL SPECIALISTS SERVICE AND RELIABILITY

### RESILIENT SEAT BI-DIRECTIONAL KNIFEGATE VALVE Figure VKG-D14

The VKG-D14 is the traditional rising stem soft seated Ductile Iron Stainless Steel trim bi-directional knife gate valve used in the waterworks and sewage industries for the last 50 years. Bi-directional design gives full flow in either direction with its soft seat out of the flow path giving drip tight closure.

Basic VCS valve is handwheel operated FBE coated

**Connection:** Semi Lugged Table D or E

**Materials:** Ductile Iron Body 316 SS trim NBR seat

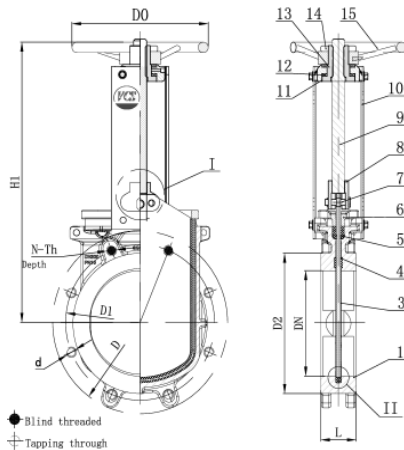
**Size Range:** DN 50 to DN 1000

**Temperature:** NBR Soft seat is limited to Max 120 C

**Pressure:** Max CWP 16 Bar DN50-DN100, 14 Bar DN125 – DN200, 12 Bar DN 250 – 300, 10 Bar DN350 – DN400

For NON-RISING SPINDLE see VGK-BRC

Accessories: Mechanical Stops, Locking Device, Manual Over-ride, Solenoid Valves, Positioners, Limit Switches, Proximity Switches, Floor Stands, Stem Extensions



SIZE	L	D	D1	D2	D0	N-Th	T	d	H1
50	48	152	114	89	180	4 - M16	12	19	290
65	48	165	127	102	200	4 - M16	12	19	330
80	51	184	146	121	200	4 - M16	12	19	358
100	51	216	178	153	240	4 - M16	12	19	378
125	57	254	210	185	260	8 - M16	12	19	428
150	57	279	235	210	280	8 - M16	14	19	490
200	70	337	292	267	300	8 - M16	16	19	588
250	70	406	356	328	320	8 - M20	14	22	690
300	76	457	406	378	350	12 - M20	16	22	815
350	76	525	470	439	400	12 - M24	18	26	890
400	89	578	521	489	450	12 - M24	20	26	980

Catalogue drawings are general arrangement only and could be subject to revision. If details are critical refer VCS for certified drawings at time of order

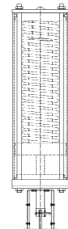
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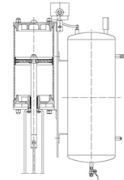
#### SINGLE ACTING / SPRING RETURN

- Available from DN 50mm/2" to DN 300mm/12"
- Supply pressure: min. 5 bar - max. 10 bar
- Options:
  - Pneumatic or electric fail open
  - Pneumatic or electric fail close
  - Other options on request



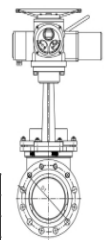
#### DOUBLE ACTING WITH AIR TANK

- Available for all valve sizes
- Supply pressure: min. 3.5 bar - max. 10 bar
- Options:
  - Pneumatic or electric fail open
  - Pneumatic or electric fail close
  - Other options on request



#### Multi-turn electric actuator

Electric actuators available in various voltages and are usually fail in last position



NO.	PART NAME	MATERIAL
1	BODY	GGG40
2	SEALING RING	NBR
3	DISC	SS316
4	GUIDE PAD	PTFE
5	PACKING	PTFE (EPDM)
6	PACKING GLAND	WCB
7	PIN	CARBON STEEL
8	CHUCK	WCB
9	STEM	SS316
10	YOKE	Q235 (Cr.D)
11	YOKE HEAD	HT200
12	BEARING	GCr15
13	NUT	BRASS
14	CAP	Q235 (Cr.D)
15	HANDWHEEL	GGG40