

## KNIFE GATE VALVE – VGU05 (Rev. 02/2021)

### Quality

- ISO 9001 Certificated Company
- CRC Petrobras Certification and Qualification of Company and Product

### Main Features

- Function: On/off or Control
- Construction: MSS-SP 81
- Type: Wafer and Total LUG
- Size: 2" (50mm) to 24" (600mm)
- Flow: Bidirectional
- 100% Tightness
- Interchangeable seats
- Self lubricating system
- Protection Screen (NR12)
- High performance with full and coated passage

### General Application

- Paper, Celulose, Sanitation, Chemical, Petrochemical, Sugar, Alcohol, etc
- Liquids in general, mass, paste and similar

### Maximum Pressure (Temperature between 0°C to 70°C)

DN	In.	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
	mm	50	80	100	150	200	250	300	350	400	450	500	600
CWP (bar)	10	10	10	10	10	10	10	10	10	6	6	6	

### Maximum Temperature

EPDM (°C)	VITON (°C)	NATURAL RUBBER (°C)
110	200	72

### Internal Inspection and Testing (FKB Factory)

- **Hidrostatic:** ISO 5208 GR 3
- **Performance:** FKB Standard (a complete cycle)
- **Painting:** FKB Standard and NBR 14847
- **Visual:** FKB Standard and NBR 15185 / MSS-SP-25
- **Dimensional:** according to MSS-SP 81 and FKB Standard

### Flange / Connection

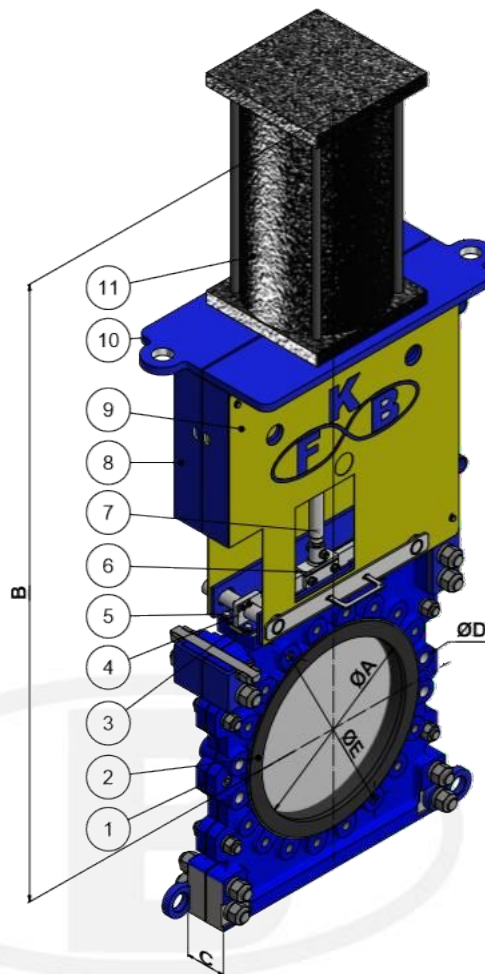
- ANSI B16.5 – 150lbs
- DIN PN10 / NBR 7675 PN10
- Others on request

### Types of Drives

- Manual Steering Wheel
- Gear Box
- Pneumatic Actuator
- Hydraulic Actuator
- Electric Actuator

### Optional Accessories

- Solenoid Valve
- Limit Switch
- Lubrifil Kit
- External Stem Protection
- Others



### Material Table

Pos.	Description	Material
1	Bipartite Body	ASTM A536
2	Sleeves	Natural Rubber / EPDM / Viton / Chlorobutyl
3	Superior Sealing	Synthetic Fiber with PTFE
4	Gate	AISI 316 (*)
5	Packing Preme Screws	Carbon Steel
6	Fork / Stem Nut	Stainless Steel / Brass
7	Stem	AISI 410
8	Support / Column	ASTM A36
9	External Stem Protection	Carbon Steel Sheet
10	Table	ASTM A36
11	Drive	Manual or Automatic

(\*) other options on request

### Dimensions Table

					DIN PN 10		ANSI B16.5 150 lbs	
		A	B (*)	C	ØD	ØE	ØD	ØE
In.	mm	mm	mm	mm	Nº - M-1	mm	Nº - M-1	Inches
2"	50	588	50	04 - M16	125	04 - 3/8" UNC	4.3/4"	
3"	80	646	51	08 - M16	160	04 - 3/8" UNC	6"	
4"	100	716	51	08 - M16	180	08 - 3/8" UNC	7. 1/2"	
6"	150	869	57	08 - M20	240	08 - 3/4" UNC	9. 1/2"	
8"	200	1.002	70	08 - M20	295	08 - 3/4" UNC	11. 3/4"	
10"	250	1.131	70	12 - M20	350	12 - 7/8" UNC	14. 1/4"	
12"	300	1.258	76	12 - M20	400	12 - 7/8" UNC	17"	
14"	350	1.479	76	16 - M20	460	12 - 1" UNC	18. 3/4"	
16"	400	1.650	89	16 - M24	515	16 - 1" UNC	21. 1/4"	
18"	450	1.839	89	20 - M24	565	16 - 1.1/8" UNC	22. 3/4"	
20"	500	1.988	114	20 - M24	620	20 - 1.1/8" UNC	25"	
24"	600	2.535	114	20 - M27	725	20 - 1.1/4" UNC	29. 1/2"	

### Notes:

1. (\*) Measure "B" under consultation for other types of drives;
2. Measures subject to change without notice.

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