

KNIFE GATE VALVE – VGU06 (Rev. 02/2021)

Quality

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

Main Features

- Function: On/off
- Construction: MSS-SP 81
- Type: Wafer and Total LUG
- Size: 3" (80mm) to 24" (600mm)
- Flow: Bidirectional
- 100% Tightness
- High performance with full and coated passage

General Application

- Abrasive processes / liquids, ore pulp, solids in general and similar

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

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

Flange / Connection

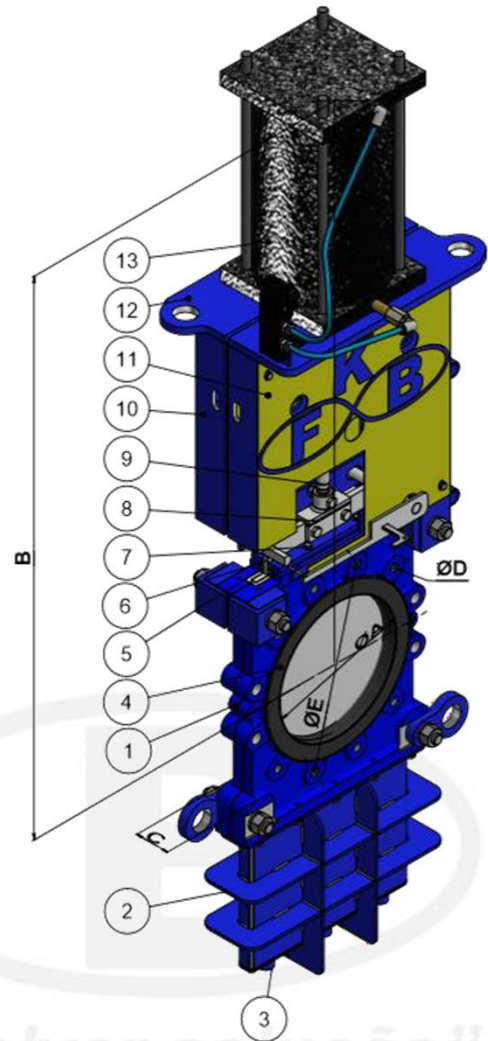
- ANSI B16.5 – 150lbs
- DIN PN10 / NBR 7675 PN10
- Others on request

Types of Drives

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

Optional Accessories

- Solenoid Valve
- Limit Switch
- Lubrifil Kit
- Others



Material Table

Pos.	Description	Material
1	Bipartite Body	ASTM A536
2	Retention Box	ASTM A36
3	Cleaning Plug	Carbon Steel
4	Interchangeable Sleeves	Natural Rubber / EPDM / Viton / Clorobutyl (*)
5	Superior Sealing	Synthetic Fiber with PTFE
6	Gate	AISI 316
7	Packing Preme Screws	Carbon Steel
8	Fork / Stem Nut	Stainless Steel
9	Stem	AISI 410
10	Support / Column	ASTM A36
11	External Stem Protection	Carbon Steel Sheet
12	Table	ASTM A36
13	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
3"	80	646	51		04 - M16	160	04 - ½" UNC	6"
4"	100	716	51		08 - M16	180	08 - ¾" UNC	7. ½"
6"	150	869	57		08 - M20	240	08 - ¾" UNC	9. ½"
8"	200	1.002	70		08 - M20	295	08 - ¾" UNC	11. ¾"
10"	250	1.131	70		12 - M20	350	12 - ¾" UNC	14. ¾"
12"	300	1.258	76		12 - M20	400	12 - ¾" UNC	17"
14"	350	1.479	76		16 - M20	460	12 - 1" UNC	18. ¾"
16"	400	1.650	89		16 - M24	515	16 - 1" UNC	21. ¾"
18"	450	1.839	89		20 - M24	565	16 - 1. ½" UNC	22. ¾"
20"	500	1.988	114		20 - M24	620	20 - 1. ½" UNC	25"
24"	600	2.535	114		20 - M27	725	20 - 1. ¾" UNC	29. ½"

Notes:

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

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