

KNIFE GATE VALVE – VGU53 (Rev. 02/2021)

Quality

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

Main Features

- Function: On/off
- Construction: MSS-SP 81 and MSS-SP 135
- Type: Flanged
- Size: 3" (80mm) to 24" (600mm)
- Flow: Bidirectional
- 100% Tightness
- Interchangeable Seats
- Self lubricating system
- Protection screen (NR12)
- 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 35°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	600
	CWP (bar)	20,6	20,6	20,6	20,6	20,6	20,6	20,6	20,6	20,6	20,6	20,6

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 MSS-SP 81, MSS-SP 135 and FKB Standard

Flange / Connection

- ANSI B16.5 – 150 and 300lbs
- DIN PN10 / PN20 / PN25
- Others on request

Optional Accessories

Types of Drives

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

- Solenoid Valve
- Limit Switch
- Lubrifil Kit
- Cleaning Cap
- Cleaning Cap Seal
- Others

Material Table

Pos.	Description	Material
1	Bipartite Body	ASTM A536
2	Interchangeable Sleeves	Natural Rubber / EPDM / Viton / Clorobutyl
3	Superior Sealing	Synthetic Fiber with PTFE
4	Gate	17-4PH Heat Treated
5	Packing Preme Screws	Carbon steel
6	Fork / Stem Nut	Stainless / Brass
7	Stem	AISI 410
8	Suport / Column	ASTM A36
9	External Stem Protection	Carbon steel sheet
10	Table	ASTM A36
11	Drive	Manual or Automatic

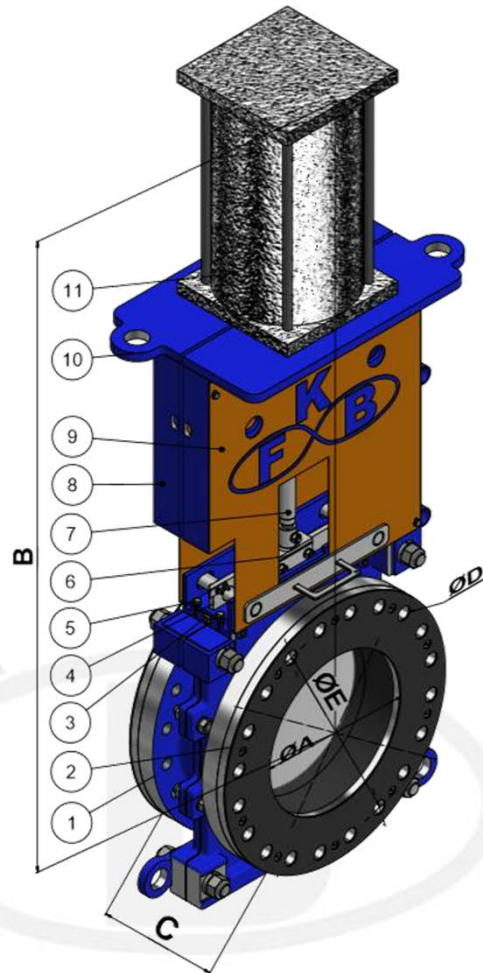
Other options on request

Dimensions Table

		DIN PN 25			ANSI B16.5 300 lbs			
		A	B (*)	C	ØD	ØE	ØD	ØE
In.	mm	mm	mm	mm	Nº - M-1	mm	Nº - M-1	Inches
3"	80	616	175	175	08 - M16	160	08 - ¾" UNC	6.¾"
4"	100	686	175	175	08 - M20	190	08 - ¾" UNC	7. ⅞"
6"	150	839	178	178	08 - M24	250	12 - ¾" UNC	10. ⅞"
8"	200	972	184	184	12 - M24	310	12 - ⅞" UNC	13"
10"	250	1.101	225	225	12 - M27	370	16 - 1" UNC	15. ¼"
12"	300	1.228	257	257	16 - M27	430	16 - 1. ½" UNC	17. ¾"
14"	350	1.449	257	257	16 - M30	490	20 - 1. ½" UNC	20. ¼"
16"	400	1.620	279	279	16 - M33	550	20 - 1. ¾" UNC	22. ½"
18"	450	1.809	311	311	20 - M33	600	24 - 1. ¾" UNC	24. ¾"
20"	500	1.958	359	359	20 - M33	660	24 - 1. ¾" UNC	27"
24"	600	2.505	371	371	20 - M36	770	24 - 1. ¾" UNC	32"

Notes:

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



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