KNIFE GATE VALVE VGU29

(Rev. 04/2023)

A VAG - Group Brand

Quality

- ISO 9001 Certified Company
- Company and Product Certified and Qualified CRCC Petrobras

Main Features

- Operation: On/Off or Control
- Construction: MSS-SP 81
- Type: Wafer and Semi LUG
- Size: 2" (50mm) to 32" (800mm)
- Flow: bidirectional
- 100% Tightness
- Rings that line the passage protecting the Valve Body
- Double seal system
- High performance with full and coated passage

General Application

- Paper and pulp, Chemical, Petrochemical, Sugar, Alcohol, etc.
- Liquids in general, doughy, pastes and the like.

Maximum pressure (Temperature between 0°C to 30°C)

DN	Pol.	2"	2.½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"	32"
	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800
CWP(bar)		10	10	10	10	10	10	8	6	6	6	6	4	4	4	4	4

Maximum Temperature

EPDM (°C)	METAL (°C)	PTFE (°C)	VITON (°C)
-10 a 110	Alta Temperatura	-20 a 180	-30 a 200

Internal Testing and Inspection

Hydrostatic: ISO 5208 / EN 12266 / MSS SP 151

Performance: 1 (one) Complete Cycle (Open and Close)

Painting: NBR 14847

Visual: NBR 15185

Fixation: NBR 7675 / EN 1092 / ANSI B16.5 / ANSI B16.47

Dimensional: Approved Drawing / EN 558 / MSS SP81

Flange / Connection

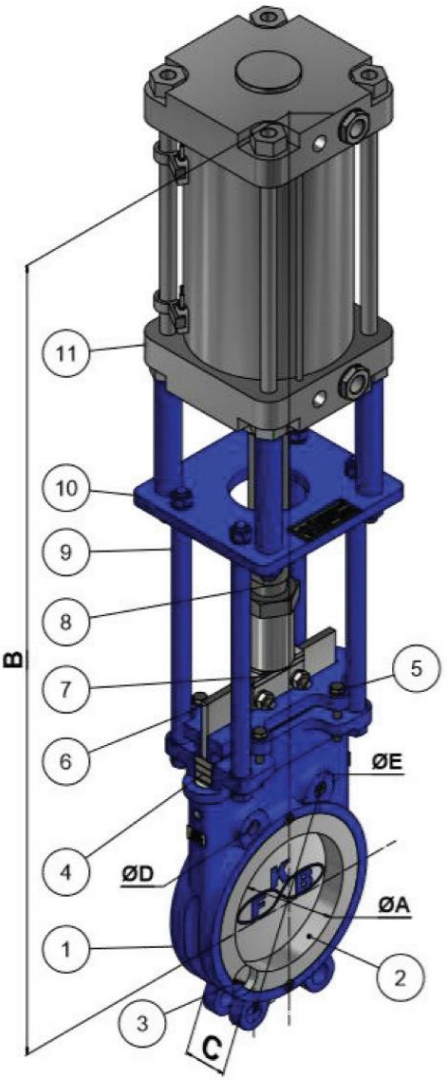
- ANSI B16.5 - 150lbs
- DIN PN10 / NBR 7675
- Others on request

Types of Drives

- Steering wheel manual
- Gear Reducer
- Pneumatic Actuator
- Hydraulic Actuator
- Electric Actuator

Optional Accessories

- Solenoid valve
- End of Course Key
- Lubrifil kit
- Others



Material Table

Pos.	Description	Material
1	Body	ASTM A536 / ASTM A216 WCB / ASTM A 351 CF8 / ASTM A 351 CF8M
2	Coating Ring	ASTM A536 / ASTM A216 WCB / ASTM A 351 CF8 / ASTM A 351 CF8M
3	Passage Sealing	PTFE + Metal-Metal / Viton + Metal-Metal / Metal-Metal / EPDM + Metal-Metal
4	Superior Sealing	Synthetic Fiber with PTFE
5	Packing Preme Screws	Carbon Steel or Stainless Steel
6	Knife/ Gate	AISI 304 / AISI 316
7	Fork / Stem Nut	Inox / Brass
8	Stem	AISI 410
9	Yoke	Sae 1020
10	Support	ASTM A36
11	Drive	Manual or Automatic

(*) other options on request

Dimensions Table

A		B (*)	C	DIN PN 10 ØD	DIN PN 10 ØE	ANSI B16.5 150 lbs ØD	ANSI B16.5 150 lbs ØE
In.	mm	mm	mm	N° - M-1	mm	N° - M-1	Inches
2"	50	546,0	47,75	04 - M16	125	04 - ⅝" UNC	4. ¾"
2.½"	65	641,0	47,75	04 – M16	145	04 - ⅝" UNC	5. ½"
3"	80	720,0	50,80	08 – M16	160	04 - ⅝" UNC	6"
4"	100	803,0	50,80	08 – M16	180	08 - ⅝" UNC	7. ½"
5"	125	918,5	57,15	08 – M16	210	08 - ¾" UNC	8. ½"
6"	150	1.049,0	57,15	08 - M20	240	08 - ¾" UNC	9. ½"
8"	200	1.130,6	69,85	08 - M20	295	08 - ¾" UNC	11. ¾"
10"	250	1.125,0	69,85	12 - M20	350	12 - ⅞" UNC	14. ¼"
12"	300	1.272,6	76,20	12 – M20	400	12 - ⅞" UNC	17"
14"	350	1.446,0	76,20	16 - M20	460	12 - 1" UNC	18. ¾"
16"	400	1.614,0	88,90	16 - M24	515	16 - 1" UNC	21. ¼"
18"	450	1.830,0	88,90	20 - M24	565	16 - 1.⅛" UNC	22. ¾"
20"	500	1.985,0	114,30	20 - M24	620	20 - 1.⅛" UNC	25"
24"	600	2.298,0	114,30	20 - M27	725	20 - 1.¼" UNC	29. ½"
28"	700	2.656,0	117,30	24 – M27	840	28 - 1.¼" UNC	34"
32"	800	3.025,0	117,30	24 – M30	950	28 - 1. ½" UNC	38. ½"

Notes:

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

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