

### Quality

- ISO 9001 Certified Company
- Company and Product Certified and Qualified CRC Petrobras
- ONIP Certified Company

### Main Features

- Operation: On/Off and Control
- Construction: MSS-SP 81
- Type: Wafer and Semi LUG
- Size: 2" (50mm) to 32" (800mm) (\*)
- Flow: Bidirectional with preferred side
- Double seal system
- 100% Tightness
- Rings lining the passage protecting the body
- High performance with full and coated passage

### General Application

- Pulp and Paper, Sanitation, Petrochemicals, Dams, Steelworks, Bioenergy, etc.
- Suitable for working with low density fluids, e.g. steam, gas and vacuum or high temperature and similar

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

DN	Pol.	2"	2½"	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
<b>CWP(bar)</b>		10	10	10	10	10	10	8	6	6	6	6	4	4	4	4	4

### Temperatura máxima

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 / MSS SP135

### Flange / Connection

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

### Types of Drives

- Hand wheel
- Gear Reducer
- Pneumatic Actuator
- Hydraulic Actuator
- Electric Actuator

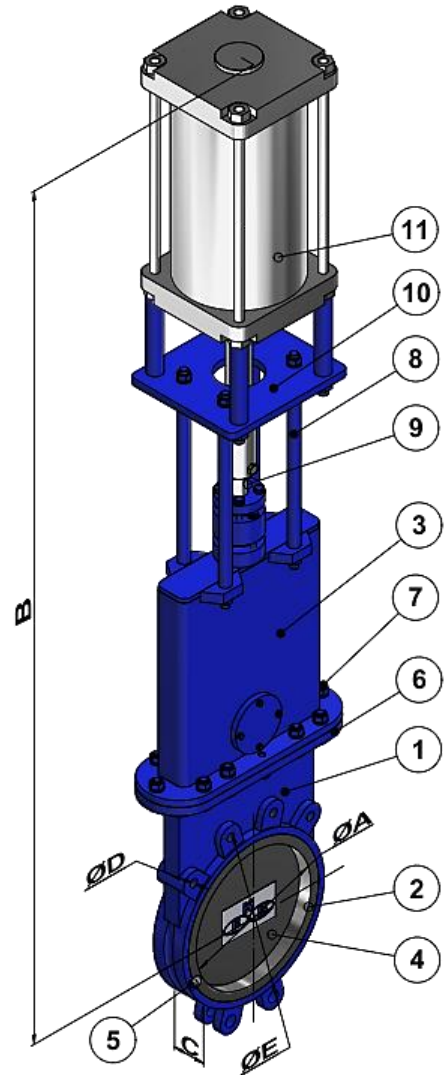
### Optional Accessories

- Solenoid valve
- End of Course Key
- Lubrifi 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 A216 WCB/ ASTM A 351 CF8 / ASTM A 351 CF8M
3	Bonnet	ASTM A216 WCB/ ASTM A 351 CF8 / ASTM A 351 CF8M (*)
4	Knife/ Gate	AISI 304 / AISI 316 (*)
5	Passage Sealing	PTFE + Metal - Metal / Viton + Metal - Metal / EPDM + Metal - Metal / Metal - Metal
6	Superior Sealing	Synthetic Fiber with PTFE / Flexible Graphite
7	Packing Preme Screws	Carbon Steel / Stainless Steel
8	Yoke	Carbon Steel
9	Stem	AISI 410
10	Support	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	Nº - M-1	mm	Nº - M-1	Inches	
2"	50	546,0	04 - M16	125	04 - ½" UNC	4. ¾"	
2½"	65	641,0	04 - M16	145	04 - ½" UNC	5. ½"	
3"	80	720,0	08 - M16	160	04 - ½" UNC	6"	
4"	100	803,0	08 - M16	180	08 - ½" UNC	7. ½"	
5"	125	918,5	08 - M16	210	08 - ¾" UNC	8. ½"	
6"	150	1.049,0	08 - M20	240	08 - ¾" UNC	9. ½"	
8"	200	1.130,6	08 - M20	295	08 - ¾" UNC	11. ¾"	
10"	250	1.125,0	12 - M20	350	12 - ½" UNC	14. ¼"	
12"	300	1.272,6	12 - M20	400	12 - ½" UNC	17"	
14"	350	1.446,0	16 - M20	460	12 - 1" UNC	18. ¾"	
16"	400	1.614,0	16 - M24	515	16 - 1" UNC	21. ¾"	
18"	450	1.830,0	20 - M24	565	16 - 1½" UNC	22. ¾"	
20"	500	1.985,0	20 - M24	620	20 - 1½" UNC	25"	
24"	600	2.298,0	20 - M27	725	20 - 1¾" UNC	29. ½"	
28"	700	2.656,0	24 - M27	840	28 - 1¾" UNC	34"	
32"	800	3.025,0	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.