

### Quality

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

### Main Features

- Function: On/Off
- Construction: MSS-SP 81
- Type: Flanged and Total LUG
- Size: 3" (80mm) to 36" (900mm)
- Flow: Bidirectional
- 100% watertight
- interchangeable seats
- Self lubrication system
- Protection screen (NR12)
- High performance with full and coated passage

### General Application

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

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

DN	Pol.	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	30"	36"
	mm	80	100	150	200	250	300	350	400	450	500	600	650	750	900
	CWP(bar)	7	7	7	7	7	7	7	7	7	7	7	5	5	5

### Maximum Temperature

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

### 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 and 300lbs
- DIN PN10 / NBR 7675 PN10 / PN16 and PN25
- Others on request

### Types of Drives

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

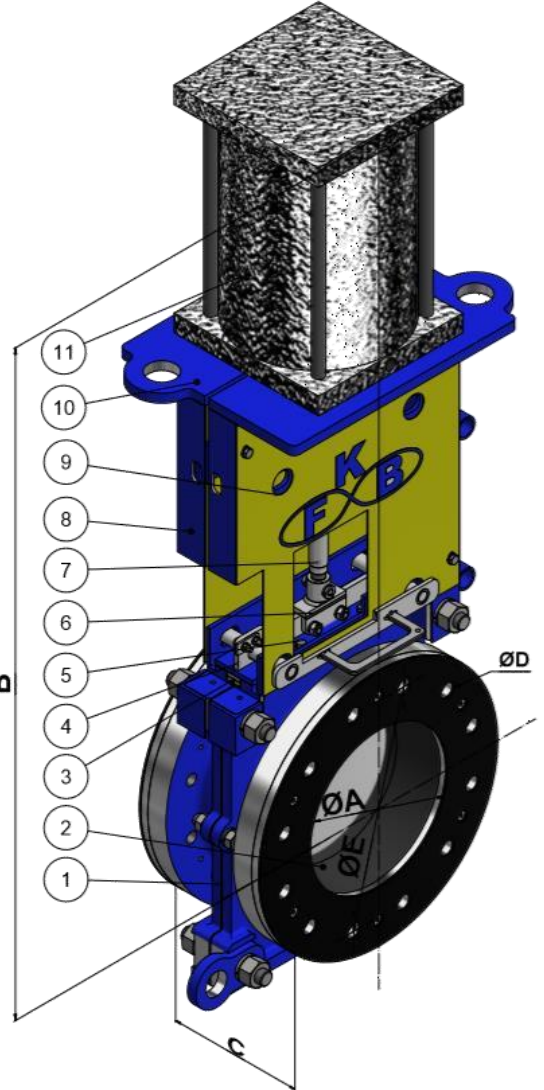
### Optional Accessories

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

### Material Table

Pos.	Description	Material
1	Bipartite Body	ASTM A536
2	Sleeves	Natural Rubber / EPDM / Viton / Clorbutyl
3	Superior Sealing	Synthetic Fiber with PTFE
4	Gate	AISI 316
5	Packing Preme Screws	Carbon Steel
6	Fork / Stem Nut	Stainless / 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
3"	80	616	175	175	08 - M16	160	04 - ¾" UNC	6"
4"	100	686	175	175	08 - M16	180	08 - ¾" UNC	7. ½"
6"	150	839	178	178	08 - M20	240	08 - ¾" UNC	9. ½"
8"	200	972	184	184	08 - M20	295	08 - ¾" UNC	11. ¾"
10"	250	1.101	225	225	12 - M20	350	12 - ¾" UNC	14. ¼"
12"	300	1.228	257	257	12 - M20	400	12 - ¾" UNC	17"
14"	350	1.449	257	257	16 - M20	460	12 - 1" UNC	18. ¾"
16"	400	1.620	279	279	16 - M24	515	16 - 1" UNC	21. ¼"
18"	450	1.809	311	311	20 - M24	565	16 - 1.½" UNC	22. ¾"
20"	500	1.958	359	359	20 - M24	620	20 - 1.½" UNC	25"
24"	600	2.505	371	371	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.