

### Quality

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

### Main Features

- Operation: On/off
- Construction: MSS-SP 81
- Type: Wafer and LUG
- Size: 3" (80mm) to 48" (1200mm)
- Flow: Bidirectional
- 100% Tightness
- High performance with full and coated passage

### General Application

- Concentrated pulp >5%, liquor, ash, fluid with solids and similar

### Maximum Pressure (Temperature Between 0°C to 30°C)

D N	Pol.	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"	32"	36"	40"	48"
	mm	80	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200
CWP(bar)		10	10	10	10	10	10	10	6	6	6	6	4	4	2	2	2

### Maximum temperature

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

### Internal Inspection and Testing

**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

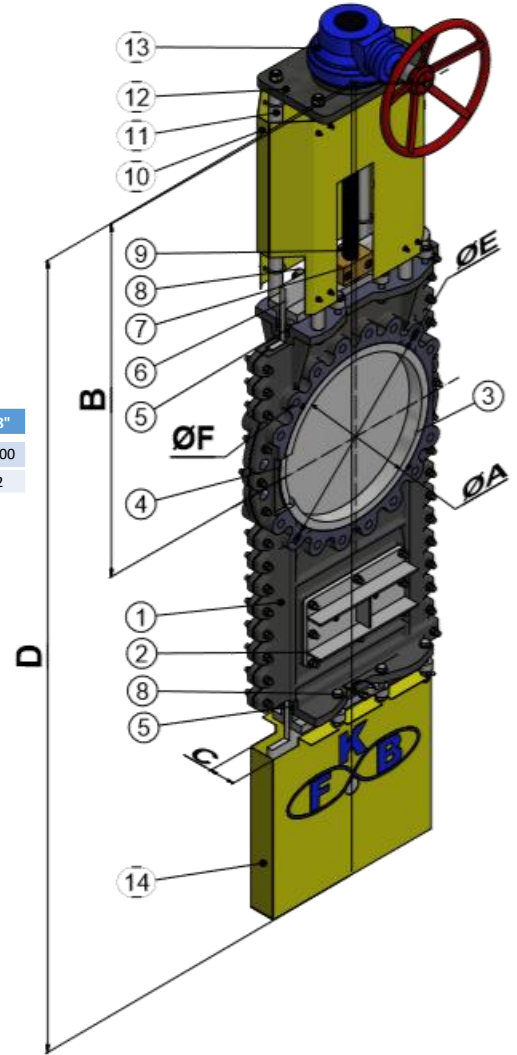
- ANSI B16.5 - 150lbs
- DIN PN10 / NBR 7675 PN10
- Others on request

### Types of Drives

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

### Optional Accessories

- solenoid valve
- End of Course Key
- lubrifil kit
- Others



### Material Table

Pos.	Description	Material
1	Body	ASTM A216 WCB / ASTM A 351 CF8 / ASTM A 351 CF8M
2	Retention Box and Cleaning Lids	ASTM A216 WCB / ASTM A 351 CF8 / ASTM A 351 CF8M
3	Coating Ring	ASTM A216 WCB / ASTM A 351 CF8 / ASTM A 351 CF8M
4	Passage Sealing	PTFE + Metal-Metal / Viton + Metal-Metal / Metal-Metal / EPDM + Metal-Metal
5	Upper and Lower Sealing	Synthetic Fiber with PTFE
6	Gate	AISI 304 / AISI 316
7	Fork / Stem Nut	Stainless / Brass
8	Packing Preme Screws	Carbon Steel or Stainless Steel
9	Stem	AISI 410
10	External Stem Protection	Carbon Steel Sheet
11	Yoke	SAE 1020
12	Support	ASTM A36
13	Drive	Manual or Automatic
14	External Knife Protection	Carbon Steel Sheet

(\*) other options on request

### Dimensions Table

				DIN PN 10		ANSI B16.5 150 lbs		
A		B (")	C	D (")	ØF	ØE	ØF	ØE
In.	mm	mm	mm	mm	Nº - M-1	mm	Nº - M-1	Inches
3"	80	455	50,80	685	08 - M16	160	04 - ½" UNC	6"
4"	100	550	50,80	825	08 - M16	180	08 - ¾" UNC	7. ½"
6"	150	705	57,15	1.060	08 - M20	240	08 - ¾" UNC	9. ½"
8"	200	875	69,85	1.315	08 - M20	295	08 - ¾" UNC	11. ¾"
10"	250	1.055	69,85	1.585	12 - M20	350	12 - ¾" UNC	14. ¼"
12"	300	1.235	76,20	1.855	12 - M20	400	12 - ¾" UNC	17"
14"	350	1.405	76,20	2.110	16 - M20	460	12 - 1" UNC	18. ¾"
16"	400	1.585	88,90	2.380	16 - M24	515	16 - 1" UNC	21. ¼"
18"	450	1.715	88,90	2.575	20 - M24	565	16 - 1½" UNC	22. ¾"
20"	500	1.890	114,30	2.835	20 - M24	620	20 - 1½" UNC	25"
24"	600	2.215	114,30	3.325	20 - M27	725	20 - 1½" UNC	29. ½"

#### Notes:

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