

Quality

- ISO 9001 Certificated Company
- CRCC Petrobras Certification and Qualification of Company and Products
- ONIP Certification

Main Features

- Function: On / Off and Control
- Construction: AWWA C561 and DIN 19569-4
- Size: 6'' (150 mm) to 160'' (4000 mm) (*)
- Flow: Bidirectional
- Sealing: 3 Sides
- Fixation: direct to concrete
- Installation: embedded or superimposed
- Open Channel Penstock
- Lightweight and Compact
- 100% Tightness
- Versatile: Manufacturing according to customer's needs

General Application

- Water and sewage treatment plants, industrial effluents, tanks, hydroelectric plants, etc.
- Suitable for working with liquids in general.

Work Pressure

- According to customer's needs

Maximum Temperature

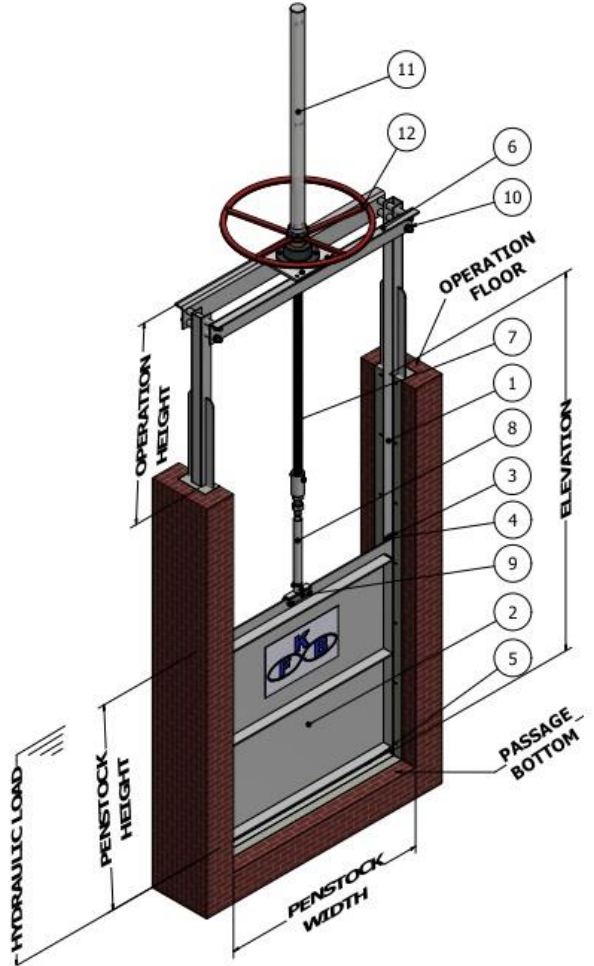
EPDM (°C)	UHMW (°C)	PTFE (°C)	VITON (°C)
-10 to 110	-269 to 90	-20 to 180	-30 to 200

Internal Inspection and Testing (FKB Factory)

- **Hydrostatic:** AWWA C561 / DIN 19569-4
- **Performance:** 1 (one) Complete Cycle (Open and Close)
- **Painting:** NBR 14847
- **Visual:** NBR 15185
- **Dimensional:** Approved Drawing

Tightness

- AWWA C561
- DIN 19569-4
- Others on request



Material Table

Pos.	Description	Material
1	Structural Framework	ASTM A240 TP 304 / ASTM A240 TP 316 / ASTM A36 with coating
2	Penstock	ASTM A240 TP 304 / ASTM A240 TP 316 / ASTM A36 with coating
3	Side Sealing	UHMW/PTFE (*)
4	Compression Cord	EPDM/ VITON (*)
5	Bottom Sealing	EPDM/ VITON (*)
6	Table	ASTM A240 TP 304 / ASTM A240 TP 316/ ASTM A36 with coating
7	Drive Stem	ASTM A276 TP 410 (*)
8	Extension Stem	ASTM A276 TP 304 / ASTM A276 TP 316 (*)
9	Fork	ASTM A240 TP 304 / ASTM A240 TP 316 (*)
10	Bolts and Nuts	AISI 304 / AISI 316
11	Protection Tube	Transparent tube for stem protection
12	Drives	Manual / Automatic

(*) other options on request

Types of Drives



Manual Steering Wheel



Gear Reducer



Pneumatic Actuator



Hydraulic Actuator



Electric Actuator

Optional Accessories:

- * Solenoid Valve
- * Limit-switch
- * Lubrifil Kit
- * Complete Extension (shaft, sleeve, bearing and prisoners)
- * Others