

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
- Fixation: direct to concrete
- Light and Compact Penstock
- Design: square or rectangular
- Watertightness 100% higher than standards
- Versatile: according to customer needs

General Application

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

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 Test and Inspection

Hydrostatic: AWWA C561 / DIN 19569-4

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

Painting: NBR 14847

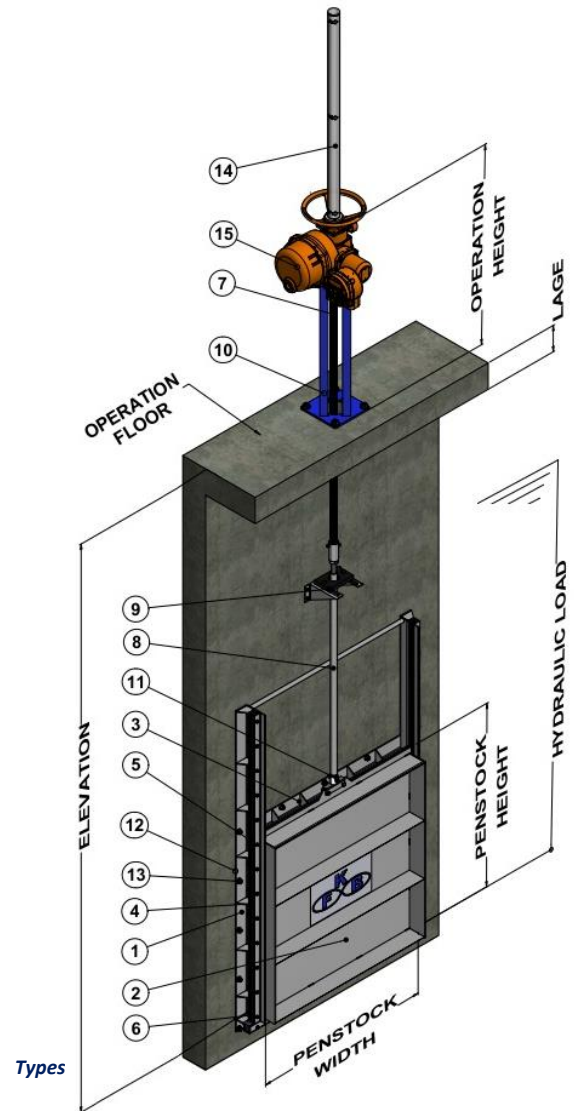
Visual: NBR 15185

Dimensional: Approved Drawing

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	Guide / Upper Sealing	UHMW/ PTFE (*)
4	Side Sealing	UHMW/PTFE (*)
5	Compression Cord	EPDM/ VITON (*)
6	Bottom Sealing	EPDM/ VITON (*)
7	Drive Stem	ASTM A276 TP 410
8	Extension Stem	ASTM A276 TP 304 / ASTM A276 TP 316 (*)
9	Intermediate Bearing	AISI 304 / AISI 316
10	Pedestal	ASTM A240 TP 304 / ASTM A240 TP 316 / ASTM A36 with coating
11	Fork	AISI 304 / AISI 316
12	Wall Sealing / Settlement	EPDM (*)
13	Bolts	Chemical / Mechanical
14	Protection Tube	Transparent tube for stem protection
15	Drives	Manual / Automatic

(*) other options on request



Types



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