

**SQUARE / RECTANGULAR PENSTOCK WITH FACE SEALING – VCO11 (Rev. 01/2021)**

**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" (150mm) to 80" (2000mm) (\*)
- Flow: Bidirectional
- Fixation: Direct to Concrete
- Passage: Full Square / Rectangular
- Tightness 100% above the standards
- Lightweight and compact design, plus easy installation
- Facial thirst through wedges

**General Application**

- Developed for the chemical industry, power plants, industrial and municipal wastewater treatment plants, etc.
- Liquids in general, pasta, and the like

**Maximum Pressure (Temperature between 0°C to 70°C)**

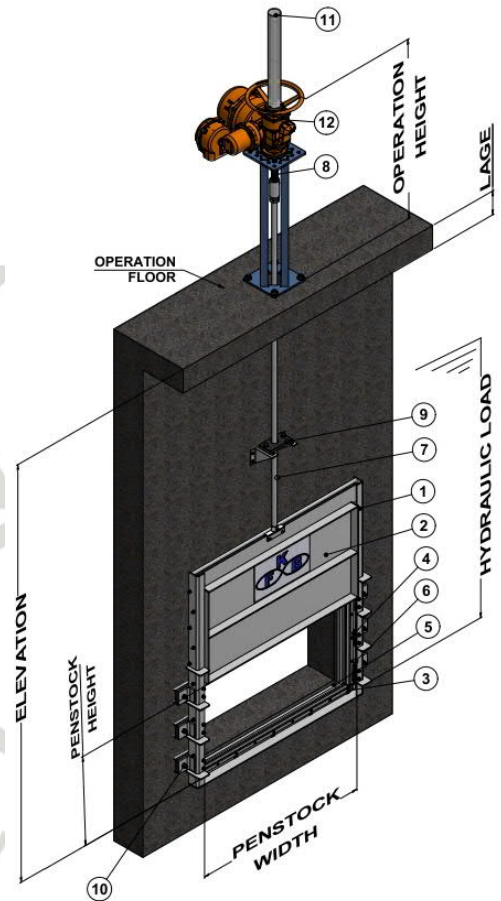
According to customer's needs

**Maximum Temperature**

EPDM (°C)	VITON (°C)
-10 a 110	-30 a 200

**Internal Inspection and Testing (FKB Factory)**

- **Hidrostatic:** AWWA C561
- **Performance:** FKB Standard / AWWA C561
- **Painting:** FKB Standard and NBR 14847
- **Visual:** FKB Standard
- **Dimensional:** According to approved project



*"Tradição em desenvolvimento"*

**Material Table**

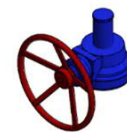
Pos.	Description	Material
1	Structural Framework	ASTM A240 TP 304 / ASTM A240 TP 316 / ASTM A36 with coating
2	Penstock	ASTM A240 TP 304 / ASTM A240 TP 316 / ASTM A36 with coating
3	Sealing	EPDM / VITON (*)
4	Sealing Wedge	ASTM A240 TP 304 / ASTM A240 TP 316 / Brass (*)
5	Settle Sealing	EPDM (*)
6	Guide	UHMW (*)
7	Extension Stem	ASTM A276 TP 304 / ASTM A276 TP 316 (*)
8	Drive Stem	ASTM A276 TP 410
9	Intermediate Bearing	AISI 304 or 316
10	Bolts	Chemical / Mechanical
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
- \* Lubrifer Kit
- \* Others

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