



A VAG - Group Brand

# CIRCULAR PENSTOCK WITH FACE SEALING – VCO 12 (Rev. 04/2023)

## 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 Circular
- 100% watertightness above the standards
- Compact and lightweight design, plus easy installation
- Facial thrust through wedges

## General Application

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

## Maximum Temperature (Temperature between 0°C to 70°C)

- According to customer needs.

## Maximum Temperature

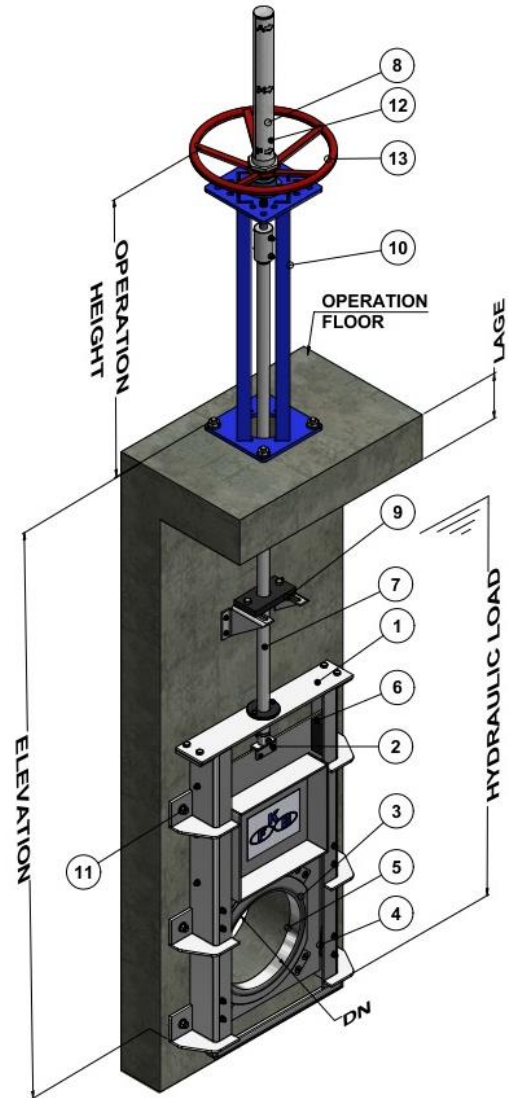
EPDM (°C)	VITON (°C)
-10 to 110	-30 to 200

## 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

## 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 ring	EPDM / VITON (*)
4	Sealing Wedge	ASTM A240 TP 304 / ASTM A240 TP 316 / Brass (*)
5	Settlement 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	Pedestal	ASTM A240 TP 304 / ASTM A240 TP 316 / ASTM A36 with coating
11	Bolts	Chemical / Mechanical
12	Protection Tube	Transparent tube for stem protection
13	Drives	Manual / Automatic



## Types of Drives



Manual Steering Wheel



Gear Reducer



Pneumatic Actuator



Hydraulic Actuator



Electric Actuator

## Optional Accessories:

- \* Solenoid Valve
- \* Limit-switch
- \* Lubrifil Kit
- \* Others

Learn more:  
vendas@fkbsvalvulas.com.br

## FKB INDÚSTRIA DE EQUIPAMENTOS LTDA.

Estrada do Akama, 1300 – Lambari | Guararema – SP | CEP 08900-000  
Tel: +55 11 4693-2042 | Whatsapp: +55 11 94153- 8033 | www.fkbsvalvulas.com.br



A VAG - Group Brand