

RECTANGULAR FLAP PENSTOCK / VALVE – VCO42 (Rev. 02/21)

Quality

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

Main Features

- Function: Automatic (On - Downstream Flow / Off - Upstream Flow)
- Construction: AWWA C561 and DIN 19569-4
- Size: 6" (150mm) to 120" (3000mm) (*)
- Flow: Unidirectional
- Passage: Full Square / Rectangular
- Fixation: Direct to concrete
- Tightness 100% above the standards
- Lightweight and Compact Design
- Blocks fluid from returning to the tubing or openings
- Self-lubricating system on hinges
- Double articulated arm that ensures optimal seating in the performance of the seal, for dimensions above 24" (600 mm)
- The VCO-42 models are designed with an angle, which together with the weight factor, guarantees complete closure even when there is no pressure in the upstream flow

General Application

- Water and sewage treatment plants, dams, irrigation systems, hydroelectric, petrochemical plants and etc.
- Suitable for working with liquids in general and similar

Pressure

Determined according to the customer's needs.

Temperatura máxima

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

Local Test and Inspection

- **Hidrostatic:** AWWA C561 and DIN 19569-4

Internal Inspection and Testing (FKB Factory)

- **Performance:** FKB Standard / AWWA C561 (a complete cycle)
- **Painting:** FKB Standard and NBR 14847
- **Visual:** FKB Standard
- **Dimensional:** According to approved project

Tightness

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

Fixation

- FKB/ Customer Standards
- Others on request

Material Table

Pos.	Description	Material
1	Structural Framework	ASTM A240 TP 304 / ASTM A240 TP 316 / ASTM A36 with coating (*)
2	Lid (Flap)	ASTM A240 TP 304 / ASTM A240 TP 316 / ASTM A36 with coating (*)
3	Articulated Arm	ASTM A240 TP 304 / ASTM A240 TP 316 / ASTM A36 with coating (*)
4	Hinge	ASTM A240 TP 304 / ASTM A240 TP 316 / ASTM A36 with coating (*)
5	Hinge Bushing	UHMW (*)
6	Cover Seal	EPDM (*)
7	Anchor	Chemical or Mechanical
8	Seat Sealing	EPDM
9	Clamp	ASTM A240 TP 304 / ASTM A240 TP 316

(*) other options on request

