

**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" (150 mm) to 80" (2000 mm) (\*)
- Flow: Unidirectional
- Passage: Circular Plena
- Fixation: flange or 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 the seal, for dimensional above 24" (600mm)
- The VCO-41 models are designed with an angle, which together with t weight factor, guarantees complete closure even when there is no pressu in the upstream flow

**General Application**

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

**Pressure**

Determined according to the customer's needs..

**Maximum Temperature**

EPDM (°C)	VITON (°C)
-10 to 110	-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

**Tightness**

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

**Flange / Connection**

- ANSI B16.5 – 150 lbs
- NBR 7675 PN10/ DIN PN10
- 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

