



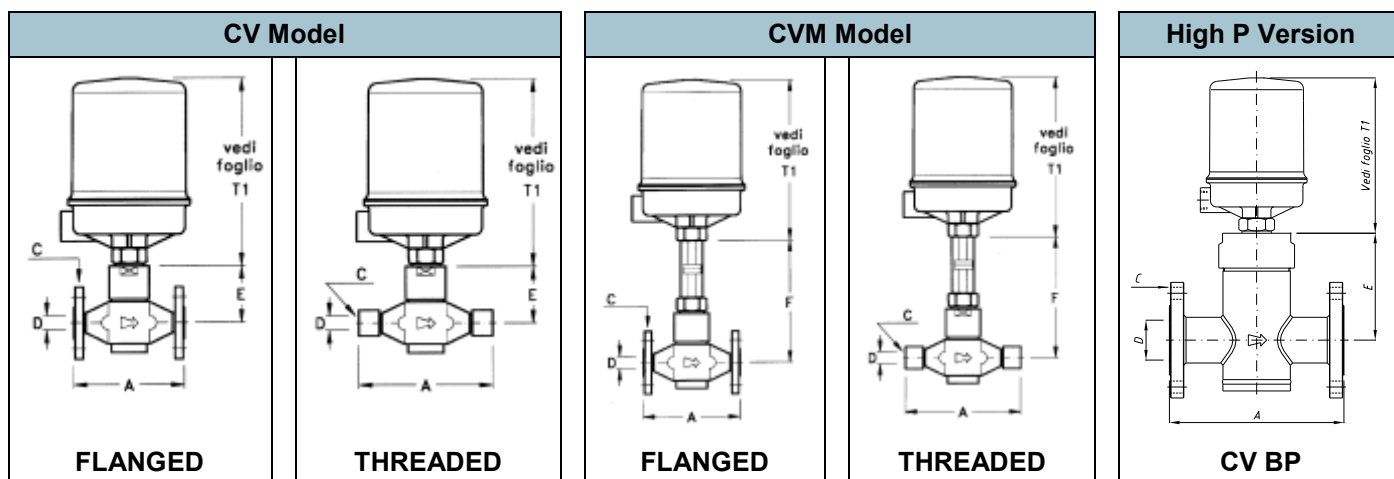
MODEL TAG MET. RATING RANGE F. V °C A
OFFICINE OROBICHE s.p.a. PONTERANICA (BG) ITALY

DESCRIPTION

Body valve flow switch for water, for max. or min. flow alarms, with a single switching unit, with output on SPDT switch.

TECHNICAL DATA

- horizontal mounting
- single switching unit (on request, two SPDT switches with simultaneous action can be supplied)
- Set point can be adjusted to between 20 ÷ 50% of max. flow rate (Q)
- Fixed differential max. 30% of max. flow rate (Q)
- Accuracy: $\pm 5\%$ of max. flow rate (Q)
- max. temperature 135°C
- max. pressure 10 Bar or 50 Bar with CV BP version
- max. pressure drop 4000 mm H₂O
- accuracy of flow indication $\pm 15\%$ of f.s. (only on mod. CVM)
- special versions for viscous fluids



| MODEL | FLANGED | | | | THREADED | | | E mm | F mm | Q max m3/h H ₂ O |
|----------------|---------|-----|------|-------------------------------|----------|--------|-----------------------------|---------|---------|--------------------------------|
| | A mm | D | | WEIGHT ⁽¹⁾ ~ kg | A mm | d | PESO ⁽¹⁾ ~ kg | | | |
| | | UNI | ANSI | | | | | | | |
| CV 15 - CVM 15 | 130 | 15 | 1/2" | 5,7 | 160 | 1/2" | 4,5 | 75 | 185 | 1 |
| CV 20 - CVM 20 | 150 | 20 | 3/4" | 7,7 | 180 | 3/4" | 6 | 75 | 185 | 2 |
| CV 25 - CVM 25 | 160 | 25 | 1" | 9,1 | 200 | 1" | 7 | 75 | 200 | 3 |
| CV 32 - CVM 32 | 180 | 32 | 1 | 8,9 | 230 | 1 1/4" | 7,5 | 85 | 210 | 4 |
| CV 40 - CVM 40 | 200 | 40 | 1 | 11,3 | 260 | 1 1/2" | 8,5 | 85 | 205 | 5 |
| CV 50 - CVM 50 | 230 | 50 | 2" | 15,5 | 290 | 2" | 10,5 | 95 | 235 | 10 |

(1) Refers to CV Model

Std. "C" connections: flange UNI PN 10/ANSI 150 RF - threaded GAS/NPT-F.
On request, flanges with a higher rating can be supplied.

MATERIALS

| CODE FOR: | Materials | Carbon Steel | AISI 316 |
|-----------|-----------|--------------|----------|
| | Body | A | J |
| | Float | - | 2 |

On request, version in plastic (pvc - moplen - pvdf) can be supplied

SWITCHES

| Type | Mercury switch | Dry microswitch | | | | | Pneumatic |
|-------------|---------------------------------------|---------------------------------------|------------------|---|--|---|----------------------------|
| Load rating | 220 V a. c. 10 A 110 V d. c. 1,5 A | 250 V a. c. 10 A 125 V d. c. 0,5 A | 125 V d. c. 10 A | 250 V a. c. 10 A 125 V d. c. 0,5 A stagno | 125 V a. c. 1 A 28 V d. c. 1 A stagno con contatti dorati | 250 V a. c. 1A 24 V d.c. 3A sigil. in gas inerte | uscita: 0 ÷ 40 psi max. |
| CODE | VD | M2 | M3 | M4 | M6 | M14 | PNA |

*Air inlet and output connection 1/4" NPT-F - No bleed type

ENCLOSURES

| Type | Waterproof | Explosion-proof | <p>The (WP) enclosures can be supplied whit gland or with a 3 or 7 pole connector as per MIL standards.</p> <p>The (EP) enclosures can be supplied whit explosion-proof gland.</p> <p>1) CESI certificate N. 02-ATEX-126</p> |
|---------------------|---|--|--|
| Material | Alluminium | Alluminium | |
| Electric Connection | 1/2" NPT-F/ GAS 3/4" NPT-F/ GAS ISO M20X1.5 | 1/2" UNI 6125/NPT-F 3/4" UNI 6125/NPT-F ISO M20X1.5 | |
| Protection Degree | IP 66 | ATEX II 2 G Ex d IIC T6 o T5 Gb ATEX II 1/2 D Ex ta/tb IIIC T85° o T100° C Da/Db IP 66 | |
| CODE | WP | EP | |

HOW TO ORDER

Example: CV25 - A - 2 - M2 - WP

CV25 Model

A Body in carbon steel

2 Float in Stainless Steel AISI 316

M2 Dry microswitch 250 V c.a. - 10 A

WP Waterproof Enclosure

The following data are required: temperature, pressure, working flow rate and required set point.