



CLOSED BODY CONTROL PINCH VALVE CPV

The CPV Control Pinch Valve is a heavy-duty enclosed body with bore center line closure valve that employs elastomer sleeves for flow shut-off and control in applications with abrasive and corrosive slurries. The sleeve is the only part in contact with the media, no other mechanical parts are required, and it is a maintenance free part.

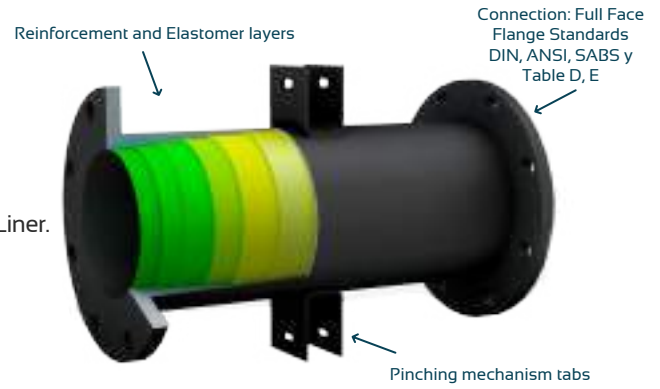


Main Features:

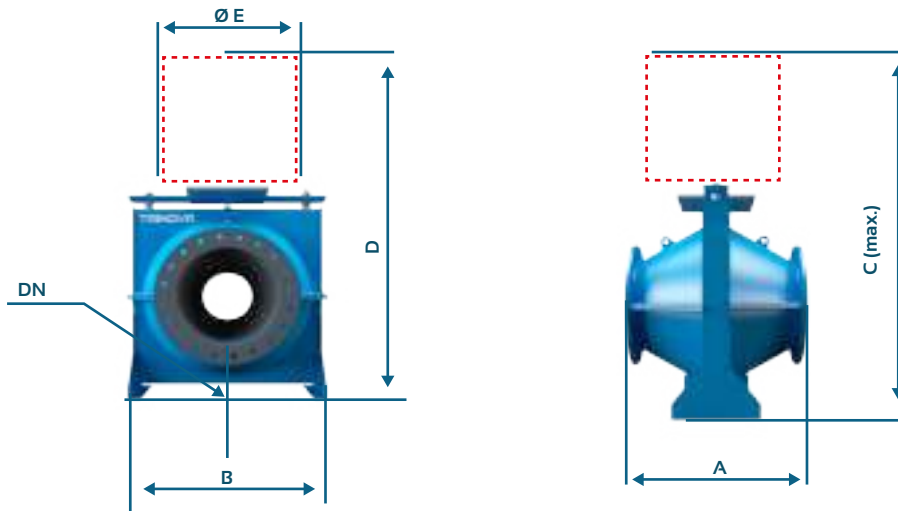
- Bi-directional operation, both for on/off and throttling service.
- Body to be Fabricated Steel.
- AIS available upon request.
- Clog resistant, 100% full bore design with no flow restrictions and turbulence, and self-cleaning.
- Enclosed body, protecting the sleeve from outside conditions.
- Sleeve is the only part exposed to the line process, no other mechanical parts required.
- Double pinch closing mechanisms.
- Single Pinch Mechanism Available upon request.
- Reduced process downtime and maintenance cost with easy and quick replacement.
- Pneumatic Single and Double acting Actuators. Electric and Hydraulic Actuators available upon request.
- Manual and Bevel Gear operation available upon request.
- Longe Face to Face configuration for better performance on modulating applications.
- Operation under vacuum conditions feasible.
- ANSI #150 / ANSI #300

TRINOVA SLEEVES

- Size: 1"-24".
- Type: Full Port, Cone, Cone Funnel, High Pressure.
- Materials of Construction: PGR, EPDM, SBRT, NEOPRENE, Buna-N, Viton and Teflón Liner.
 - *Other sizes and materials available.
- Sleeve Wear Sensor with communication module available.



| Name | Temperature | Compatibility |
|---------------------|----------------|--|
| Pure Gum Rubber PGR | -50 F to 180 F | Good abrasion resistance, tensile strength and resiliency. Good Compatibility with weak chemicals, organic acids and alcohols. |
| EPDM | -50 F to 300 F | Good abrasion resistance at higher temperatures. Good for diluted acids, steam, water and ketones. Not recommended for hydrocarbons. |
| Neoprene | -50 F to 230 F | Resistant to moderate chemicals, ozone, fats and some hydrocarbons. |
| SBR | 40 F to 180 F | Good abrasion resistance, crack endurance and positive ageing characteristics. |
| Buna - N | -30 F to 230 F | Resistant to moderate chemicals, kerosene, grease, oils, fats and some hydrocarbons. |



| DN | A | B | C | D | E | Weight (lbs) |
|--------|-------|------|------|------|------|--------------|
| 1" | 7.25 | 4.9 | 9 | 6.1 | 5.5 | 11 |
| 1 1/2" | 8.75 | 7.4 | 10.8 | 7.4 | 5.5 | 22 |
| 2" | 10 | 8.8 | 13.1 | 9 | 9.8 | 35 |
| 2 1/2" | 10.88 | 10.4 | 14.5 | 9.6 | 9.8 | 44 |
| 3" | 11.75 | 11.8 | 17.7 | 11.4 | 9.8 | 55 |
| 4" | 13.88 | 13.7 | 20.0 | 14.3 | 13.9 | 93 |
| 6" | 17.75 | 16.9 | 27.9 | 20 | 24 | 176 |
| 8" | 21.38 | 21.6 | 33.4 | 24.4 | 24 | 309 |
| 10" | 26.50 | 24.1 | 36.6 | 26.3 | 24 | 386 |
| 12" | 29 | 34.6 | 41.3 | 29.5 | 24 | 463 |
| 14" | 28 | 34 | * | * | * | ** |
| 16" | 36 | 34 | * | * | * | ** |
| 18" | 36 | 44 | * | * | * | ** |
| 20" | 40 | 40 | * | * | * | ** |
| 24" | 48 | 57 | * | * | * | ** |

* Dimensions to be determined based on type of actuation.
 **: Weight of the valve calculated based on type of actuation.

Trinova follows the industry standard ISA 75.10.02 for installed face to face dimensions.



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