# SHOTGUN SWING CHECK VALVE, GROOVED-END



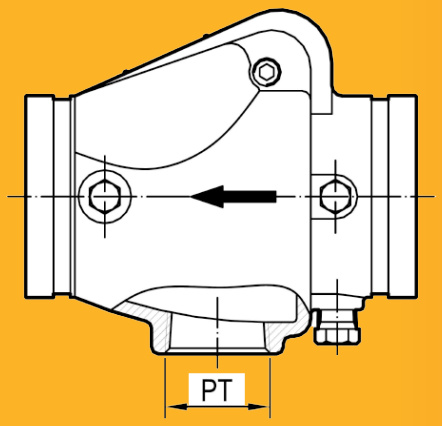


## DESCRIPTION

Style CVG01-SR is a Swing Check Valve provided by TrifloTM is a vertical installed non-return valve in a “Shotgun” arrangement. With trim unit, the check valve utilizes an electric flow switch and alarm bell instead of a water motor gong for fire notification. Valve body is the same as style CVG-01, easy to adapt on job field.

## PRODUCT FEATURES

- Rated working pressure 365psi/25bars by UL/cUL listing and FM approval.
- One design with regular swing check valve style CVG-01.
- Drains can be optionally provided both upstream and downstream of the clapper.
- Innovative hydro-dynamically efficient profile lowers pressure drop.
- Sealing achieved by a low head pressure of 0.15bar/2psi.
- All wetted parts made by anti-corrosion material to provide superior service time.
- Grooved end confirming to AWWA C606 for easy installation and maintenance.
- Thread hole at PT position can be customized, available sizes refer to table below.

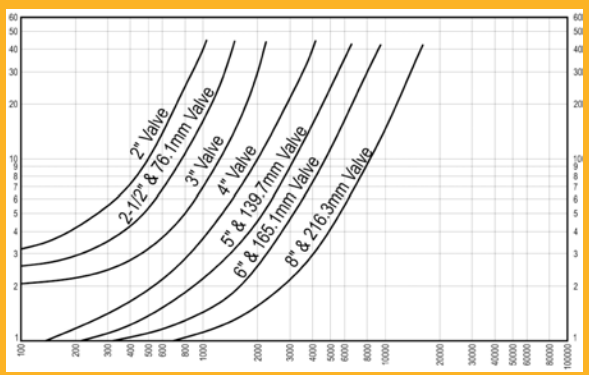



| Product code | Nominal Size | | OD | PT standard thread size | PT Optional thread size* |
|---|---|---|---|---|---|
| | " | DN | mm | | |
| CVG01-SR-60 | 2" | 50 | 60.3 | 1" | 1/4", 1/2", 3/4" |
| CVG01-SR-73 | 2 1/2" | 65 | 73.0 | 1 1/4" | 1/4", 1/2", 3/4", 1", 1 1/2" |
| CVG01-SR-76 | 3" OD | 65 | 76.1 | 1 1/4" | 1/4", 1/2", 3/4", 1", 1 1/2" |
| CVG01-SR-89 | 3" | 80 | 88.9 | 1 1/4" | 1/4", 1/2", 3/4", 1", 1 1/2" |
| CVG01-SR-114 | 4" | 100 | 114.3 | 2" | 1/4", 1/2", 3/4", 1", 1 1/4", 1 1/2" |
| CVG01-SR-140 | 5 1/2" OD | 125 | 139.7 | 2" | 1/4", 1/2", 3/4", 1", 1 1/4", 1 1/2" |
| CVG01-SR-141 | 5" | 125 | 141.3 | 2" | 1/4", 1/2", 3/4", 1", 1 1/4", 1 1/2" |
| CVG01-SR-165 | 6 1/2" OD | 150 | 165.1 | 2" | 1/4", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2 1/2" |
| CVG01-SR-168 | 6" | 150 | 168.3 | 2" | 1/4", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2 1/2" |
| CVG01-SR-216 | JIS 8" | 200A | 216.3 | 2" | 1/4", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2 1/2", 3" |
| CVG01-SR-219 | 8" | 200 | 219.1 | 2" | 1/4", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2 1/2", 3" |

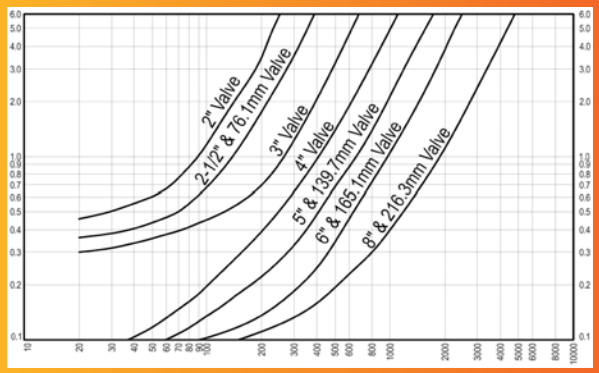
**PT thread hole size has to be specified by ordering, BSPT or NPT etc. If non-standard thread, please contact Triflo™ sales engineer.*

## THE CHART BELOW EXPRESSES THE FLOW OF WATER AT 16°C /60°F THROUGH VALVE

*Pressure drop - kpa (0.01bar)*

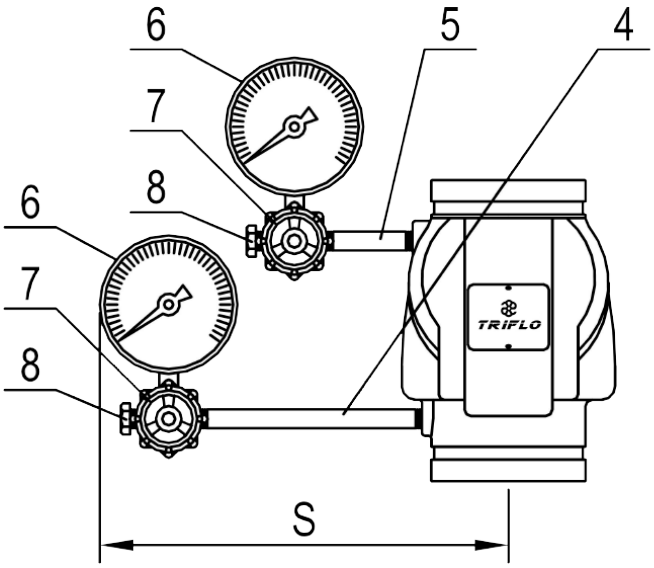


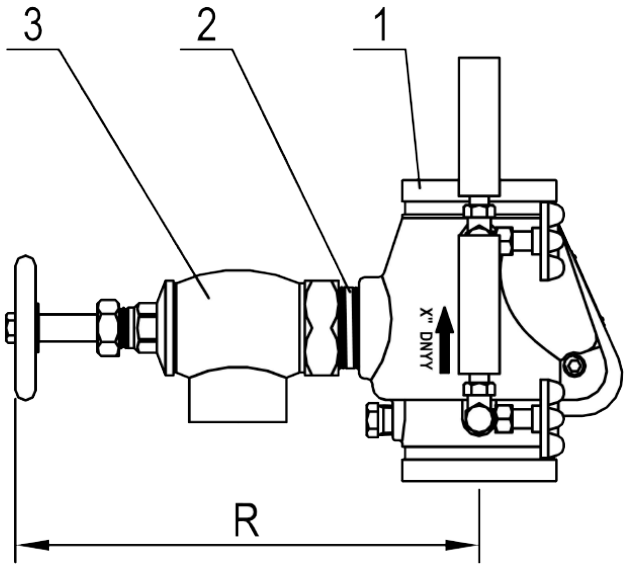

*Flow rate - litres/min (0.06 m³/h).*




*Flow rate - G.P.M.*

*Pressure drop - P.S.I.*




| Nominal Size | | OD | | S | | R | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| " | DN | mm | " | mm | " | mm | " | Pipe O.D. | Close Nipple | Angle valve | 1/4" nipple | 1/4" nipple | Water gauge | 3 way valve | Plug |
| 2" | 50 | 60.3 | 2.375 | 222 | 8.75 | 254 | 10 | 60 | 1" | 1" | 140mm 5 1/2" | 38 mm 1 1/2" | 1/4" | 1/4" | 1/4" |
| 2 1/2" | 65 | 73.0 | 2.875 | 235 | 9.25 | 280 | 11 | 73 | 1 1/4" | 1 1/4" | 140mm 5 1/2" | 51mm 2" | 1/4" | 1/4" | 1/4" |
| 3" OD | 65 | 76.1 | 3.000 | 235 | 9.25 | 280 | 11 | 76 | 1 1/4" | 1 1/4" | 140mm 5 1/2" | 51mm 2" | 1/4" | 1/4" | 1/4" |
| 3" | 80 | 88.9 | 3.500 | 241 | 9.5 | 305 | 12 | 89 | 1 1/4" | 1 1/4" | 140mm 5 1/2" | 51mm 2" | 1/4" | 1/4" | 1/4" |
| 4" | 100 | 114.3 | 4.500 | 254 | 10 | 343 | 13.5 | 114 | 2" | 2" | 140mm 5 1/2" | 64mm 2 1/2" | 1/4" | 1/4" | 1/4" |
| 5 1/2" OD | 125 | 139.7 | 5.500 | 267 | 10.5 | 356 | 14 | 140 | 2" | 2" | 140mm 5 1/2" | 64mm 2 1/2" | 1/4" | 1/4" | 1/4" |
| 5" | 125 | 141.3 | 5.563 | 267 | 10.5 | 356 | 14 | 141 | 2" | 2" | 140mm 5 1/2" | 64mm 2 1/2" | 1/4" | 1/4" | 1/4" |
| 6 1/2" OD | 150 | 165.1 | 6.500 | 280 | 11 | 375 | 14.75 | 165 | 2" | 2" | 140mm 5 1/2" | 64mm 2 1/2" | 1/4" | 1/4" | 1/4" |
| 6" | 150 | 168.3 | 6.625 | 280 | 11 | 375 | 14.75 | 168 | 2" | 2" | 140mm 5 1/2" | 64mm 2 1/2" | 1/4" | 1/4" | 1/4" |
| JIS 8" | 200A | 216.3 | 8.515 | 305 | 12 | 400 | 15.75 | 216 | 2" | 2" | 140mm 5 1/2" | 64mm 2 1/2" | 1/4" | 1/4" | 1/4" |
| 8" | 200 | 219.1 | 8.625 | 305 | 12 | 400 | 15.75 | 219 | 2" | 2" | 140mm 5 1/2" | 64mm 2 1/2" | 1/4" | 1/4" | 1/4" |