

Product Information Vacuum Changeover Switch CVS

Continuous Gas Supply

Hazardous gases are normally conveyed in piping systems with negative pressure. The use of at least two gas containers is a precondition for a continuous gas supply. Once the first gas container is empty, the CVS vacuum changeover switch automatically switches to the second gas container. It thus enables an uninterrupted supply.

Vacuum changeover switches are used in swimming pools, water works, in water treatment and in a variety of industrial applications.

Completely independent

The vacuum changeover switch CVS utilises the negative pressure existing in the piping system and works without auxiliary power. The device switches between two gas containers without action by personnel and with the utmost reliability. When the first gas container is empty, the negative pressure rises and the device switches over to the second gas container. For larger dosing quantities collecting pipes are connected with several gas containers at both inputs.

In Short

- Scope of application up to 10 kg/h chlorine gas
- Compact design
- Safe operation with vacuum technology
- Without auxiliary power
- Without intervention from personnel
- Simple wall mounting
- Optional electrical contacts for remote indication



Technical data

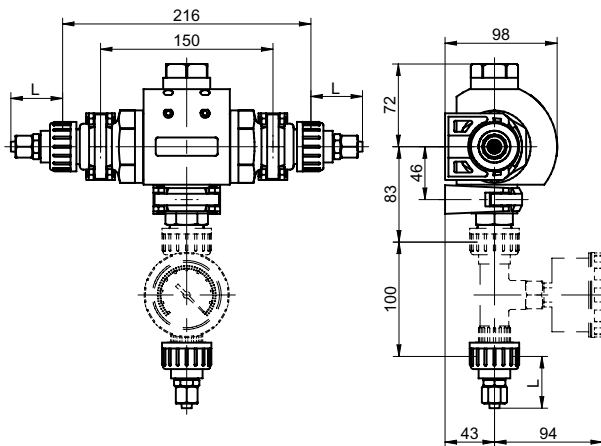
Material	Chlorine-resistant materials such as PVC, PVDF, FPM and Hastelloy
Max. throughput	10 kg Cl ₂ /h (with connections 8/12: 5 kg Cl ₂ /h)
Operating pressure	-1 ... 0 bar
Switching point	-0.3 bar
Connections (for selection)	PVC glue-in connection DN 15 Hose connection 8/12 Hose connection 12/16
Load capacity of electrical contacts	max. 48 V DC / 0.5 A / 10 W
Weight	approx. 1 kg

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Model variants

Product	Connections for	Max. throughput	Order No.
Vacuum changeover switch CVS with mounting kit	Hose 8/12	5 kg/h Cl ₂	24700023
	Hose 12/16	10 kg/h Cl ₂	24700022
	PVC pipe DN 15 / d 20	10 kg/h Cl ₂	24700021

Dimensional drawing



All dimensions in mm

Connection	Dimension L
Hose connection 8/12	45
Hose connection 12/16	55
Bonded connection DN 15 / d 20	19

Accessories

The following accessories are available optionally for installation and operation:

Description	Order No.
Vacuum pressure gauge with T-piece for assembly on vacuum changeover switch CVS	39400
1x hose connection 8/12	38901
1x hose connection 12/16	38902
1x glue-in connection	25626
Set of electrical contacts for CVS (2 units, with installation material)	39301
Maintenance set – annually Diaphragms and O-rings	38175
Maintenance set – 3 ... 5 years Diaphragms, O-rings, shift assembly, diaphragm mount, diaphragm rings	39114