

# Continuous Gas Supply

## 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.

### Functions

- 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
- Optical position indicator
- Optional electrical contacts for remote indication

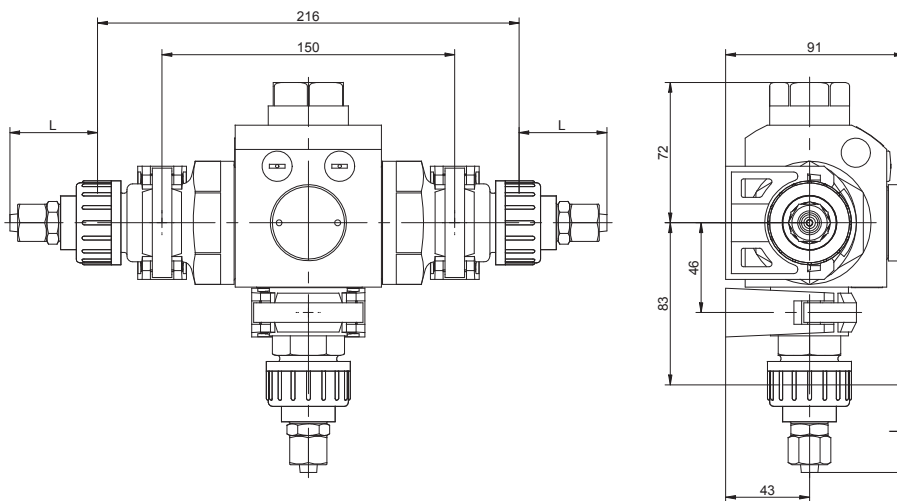
## Technical data

### CVS

Material		Chlorine-resistant materials such as PVC, PMMA, PVDF, FPM and Hastelloy
Max. flow rate	kg Cl <sub>2</sub> /h	10 (with connections 8/12: 4)
Operating pressure	bar	-1 – 0
switching point	bar	-0.3
Connections (for selection)		Hose connection 8/12
		Hose connection 12/16
		PVC glue-in connection DN 15
Load capacity of electrical contacts		max. 48 V DC / 0.5 A / 10 W
Weight	kg	1 approx.
Ambient temperature	°C	0 – 55, no direct sunlight

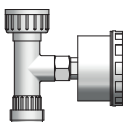
## Dimensions

All dimensions in mm



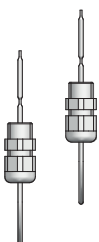
Connection	Dimension L
Hose connection 8/12	45
Hose connection 12/16	55
Glue-in connection DN 15 / d 20	19

## Accessories



### Vacuum pressure gauge with T-piece

for assembly on vacuum changeover switch CVS



### Set of electrical contacts

zur Fernmeldung der Schaltstellung  
(2 units with installation material)  
max. 48 VDC / 0.5 A / 10 W