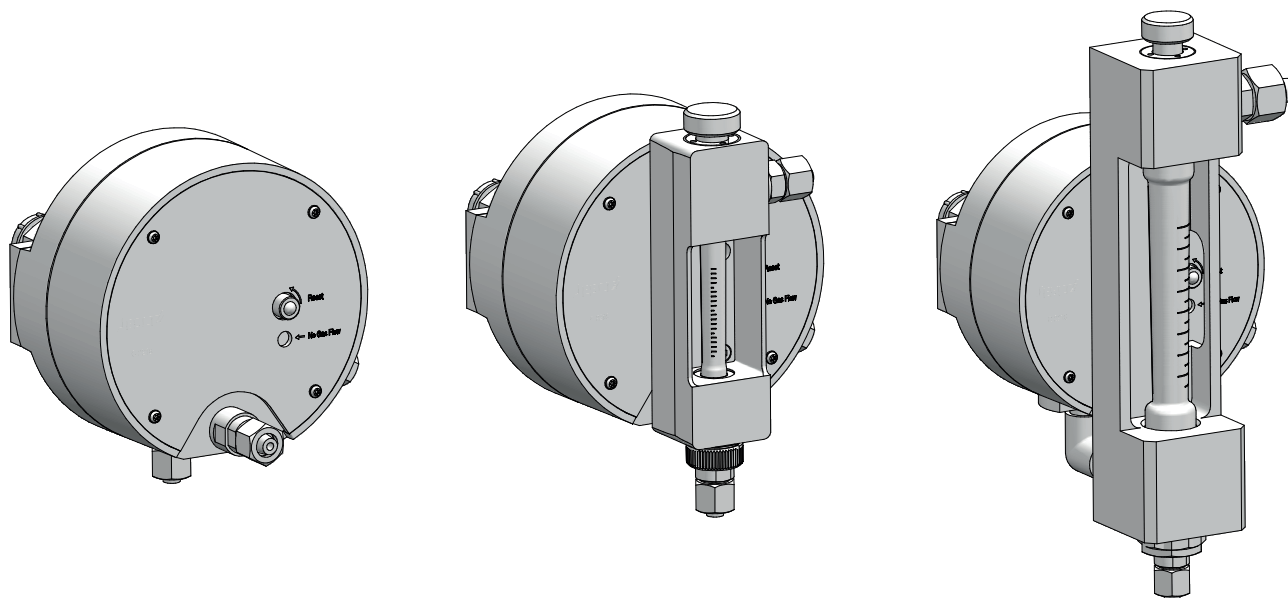


Reliable technology for every need

Vacuum regulator C 2217



Compact safety

The safest vacuum regulators are those which permit direct connection to the pressurised chlorine gas bottles. A full-vacuum chlorinator such as the C 2217 establishes a vacuum as early as possible, thereby reducing the danger of escaping toxic media.

The C 2217 is a compact vacuum regulator for individual operation. The inlet valve of the controller opens once the required vacuum has been established at the output of the C 2217 and closes immediately once the vacuum is reduced as the result of a leakage in the subsequent vacuum piping system.

An impermissible pressure increase in the vacuum piping system causes the safety blow-off valve integrated in the vacuum regulator to open, venting the system to a neutralisation system as e.g. with an activated carbon cartridge in proximity to a gas sensor.

Optimal chlorine gas sampling

The C 2217 is suitable for use with water treatment with smaller and medium-sized chlorinators. With the front-fitted flow meter, the chlorine gas can be sampled optimally with a manual dosing valve in a broad capacity range up to 10 kg Cl₂/h. A measuring glass with 12 different measuring areas is available for this purpose.

Functions

- Scope of application up to 10 kg Cl₂/h
- Gas filter
- Integrated safety blow-off valve
- Flow meter with manual setting available
- Optical display empty chlorine tank (optionally with electrical switching contact)
- Displays the chlorine tank pressure (optional)
- Compact design
- Direct mounting on gas bottles by using a union nut

Note: The C 2217 has no residual pressure preservation.

Simple installation

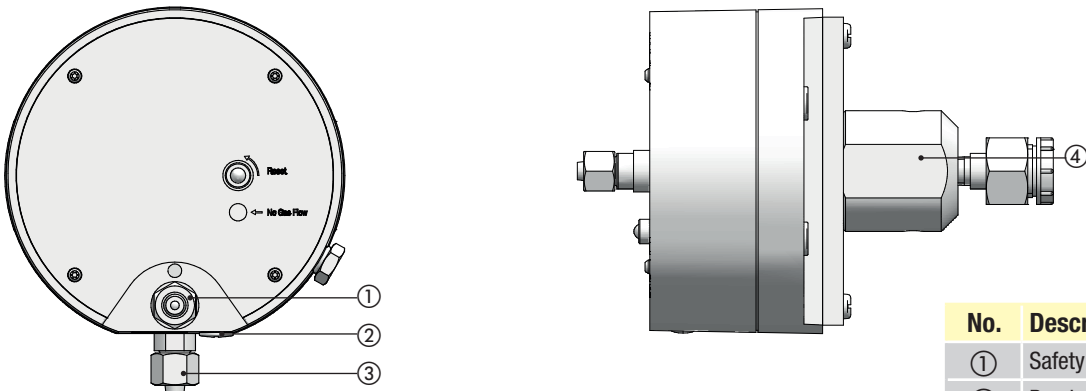
The C 2217 vacuum regulator is constructed on the basis of international standards. The device is connected to a chlorine gas bottle via a union nut. An optical display (optionally available with an electrical switching contact) serves the display of an empty chlorine gas tank.

Technical data

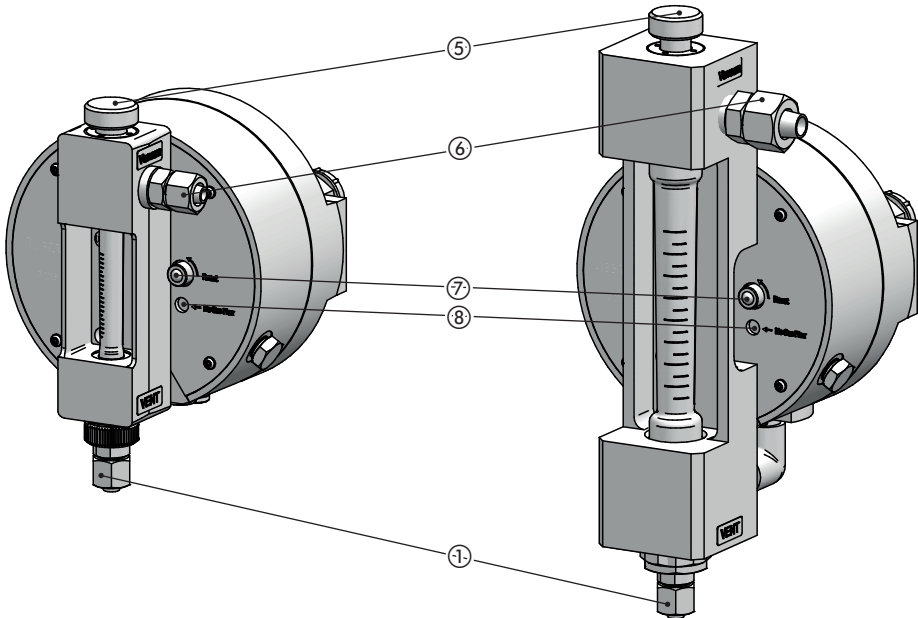
Vacuum regulator C 2217			
Throughput		kg/h Cl ₂	up to 10
Inlet pressure		bar	max. 16
Safety blow-off valve opens with		bar	0.2 – 0.5
Pressure connection			union nut (BSW 1“, G 5/8, G 3/4, 1.030“-14 NGO)
Vacuum connection	up to 4 kg/h Cl ₂		8/12 PE hose
	up to 10 kg/h Cl ₂		12/16 PE hose
Blow-off connector			8/12 PE hose
Material in contact with the media			nickel-plated brass, silver, Hastelloy, PTFE, PVDF, PVC, ABS
Diaphragm material, seals			FPM
Empty notification			optical (optionally available with electrical switching contact)
Load capacity of the switching contact		A / V	max. 0.5 / 48
Weight		kg	approx. 2.4 – 3.2
Ambient temperature		°C	0 – 50, no direct sunlight

Product description

C 2217-V



C 2217-VF

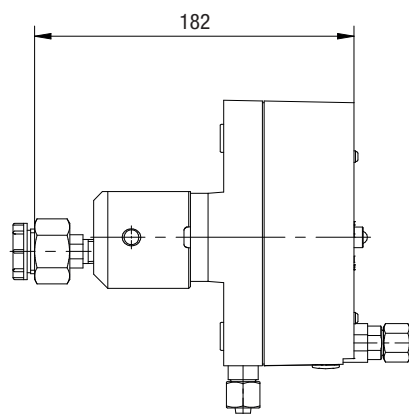
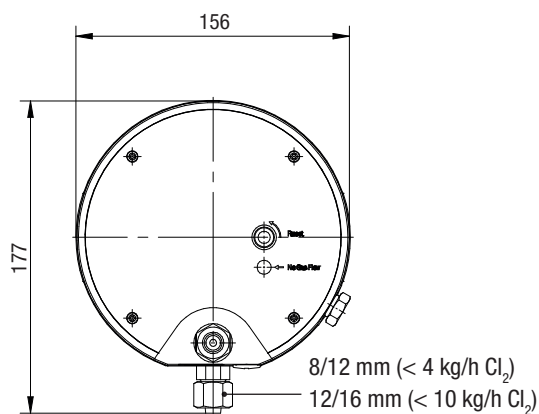


No.	Description
①	Safety blow-off valve
②	Reed switch input
③	Dosing connector
④	Input chlorine gas
⑤	Flow meter with manual regulation valve
⑥	Chlorine gas output
⑦	Reset button
⑧	Visual empty notification

Dimensions

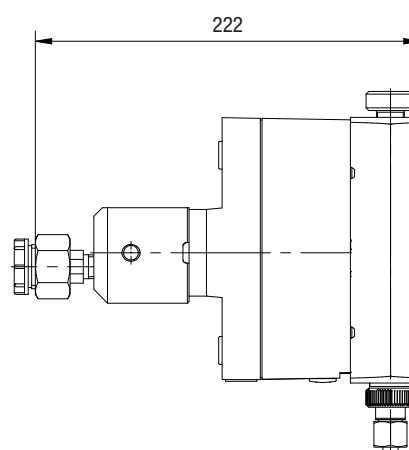
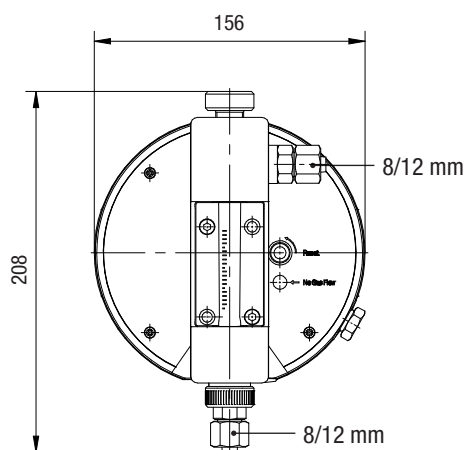
C 2217-V

All dimensions in mm



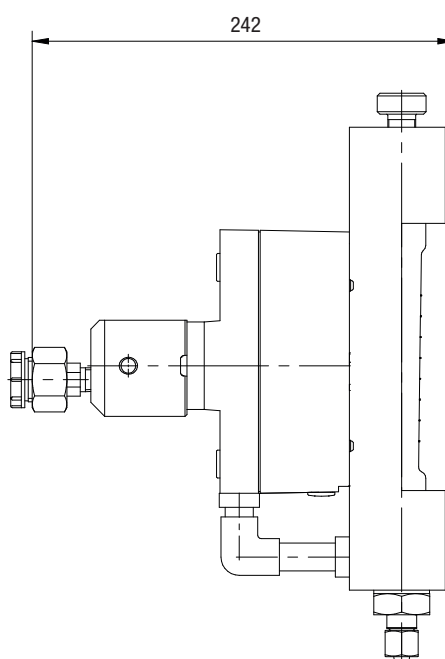
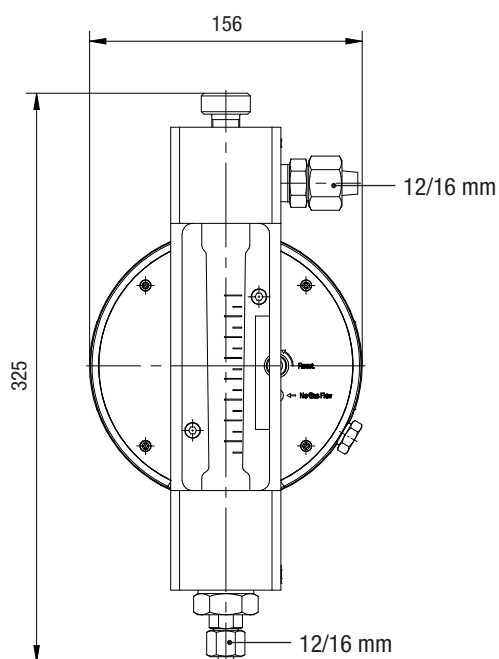
C 2217-VF (dosing range 0.025 – 4 kg/h Cl₂)

All dimensions in mm



C 2217-VF (dosing range 5 – 10 kg/h Cl₂)

All dimensions in mm



C 2217 standard accessories



Hoses

- PE hoses for vacuum pipes



Activated carbon cartridge

with bracket and 3 m hose for installation in the blow-off line

Retains small amounts of chlorine and prevents chlorine gas alarm as a result of short-term system-related leakage.

Connection for PE hose Ø8/12



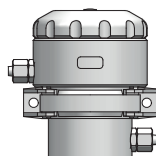
Wall holder

PVC, available connections BSW 1", G 5/8, G 3/4 or 1,030"-14 NGO



Tools

- Bottle with ammonia solution for leakage test of cylinder connection.
- Silicone grease for rubbing O-rings and diaphragms.



Safety shutoff valve

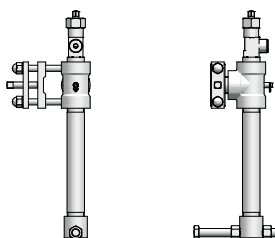
The safety shut-off valve prevents the development of positive pressure in the vacuum line to the injector.



Back stop

It prevents water from penetrating from the injector into the vacuum line.

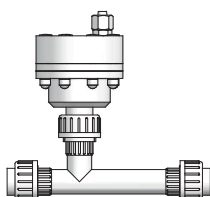
Available connections: clamp connections for hose Ø8/12 or Ø12/16 or cemented connection Ø16



Moisture eliminator

Inc. connection seals

The vacuum regulator is mounted directly on the output of the moisture eliminator.



Injector with injector non-return valve

Standard injectors for back pressure of up to 8 bar

High-pressure injectors for back pressure of up to 10 bar

Water connection: PVC threaded connection

Gas connection: PE hose Ø12/16 (up to 4 kg/h)

PE hose Ø12/16 (up to 10 kg/h)