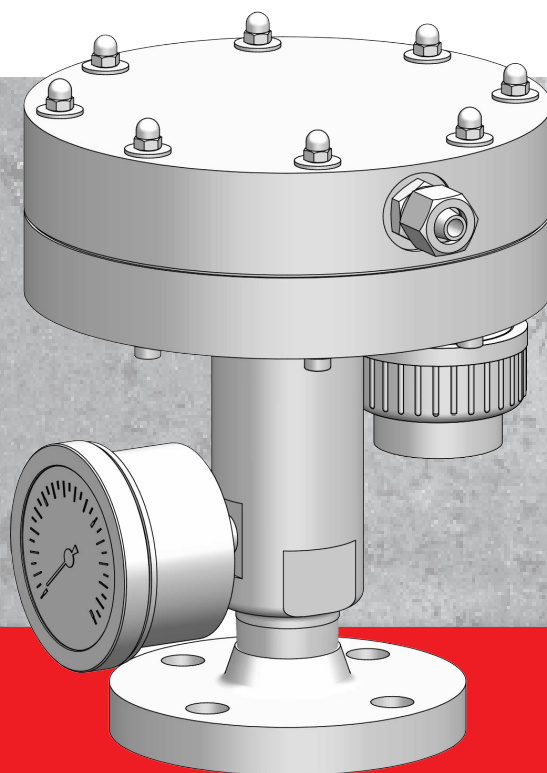




C 2560-V

Vacuum regulator

Safe operation with vacuum technology

Piping systems under vacuum

The latest state of the art in chlorinators is vacuum operation. This ensures that the highest safety requirements are met when handling the toxic medium chlorine. As a vacuum regulator, the C 2560-V fulfils a key function among dosing devices of this type.

Mode of operation

Chlorine gas flows under pressure out of the chlorine drum into the vacuum regulator. The vacuum regulator consists of an inlet valve and the diaphragm chamber. The chlorine gas in the inlet valve is under positive pressure; a vacuum is in the diaphragm chamber. The PVC output of the vacuum regulator is connected to the ejector. Sufficient vacuum sucks the diaphragm disc downwards and presses the valve disc downwards against the spring force. The inlet valve opens and the required amount of chlorine flows into the diaphragm chamber. If the vacuum is too weak, the spring closes the system again. This produces a constant vacuum in the piping downstream from the vacuum regulator. A constant vacuum ensures the highest safety standard for the system: In the event of a leakage, the ambient air is sucked into the pipe without a dangerous amount of chlorine gas being able to escape into the atmosphere.

If the valve disc fails to close completely due to heavy soiling, a slight positive pressure will develop in the diaphragm chamber. In the event of this fault, the safety valve opens in the diaphragm disc and vents the system into a neutralisation system such as a chlorine scrubber or an activated carbon cartridge.

Functions

- Flow rate chlorine gas: up to 60 kg/h
- Safe operation with vacuum technology
- Integrated safety valve
- Highly durable materials
- Optional manometer

Suitable for your system

All materials are selected based on Lutz-Jesco's experience in handling them. To adapt them to your system, Lutz-Jesco offers various connection types and optional pressure gauges.

safety is our concern

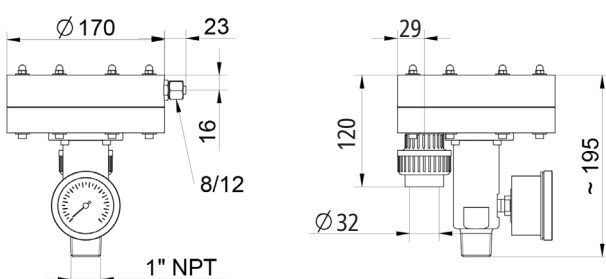
Technical data

C 2560-V Vacuum regulator

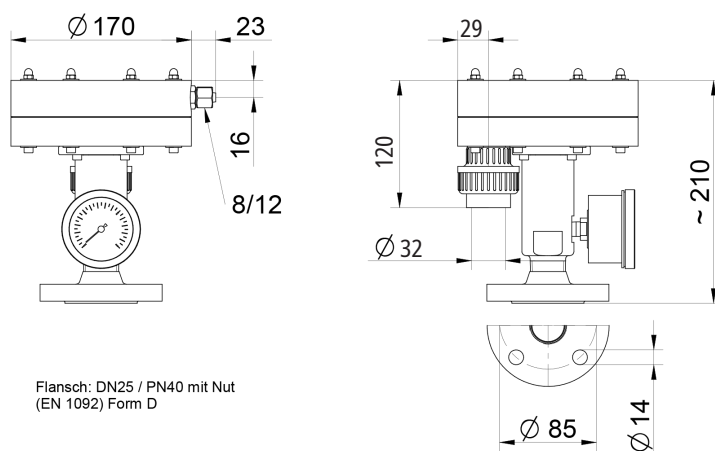
Chlorine gas flow rate	kg/h	max. 60
Inlet pressure	bar	1.5 – 16
Operating vacuum	mbar	-50 – -100
Safety blow-off valve opens with	mbar	50
Connections	Threaded connection	1" NPT outside (input) and PVC screw connection DN Ø32 (output)
	Flange connection	Flange DN 25 with groove (input) and PVC screw connection DN Ø32 (output)
Materials in contact with the media	Inlet valve	Monel, nickel-plated brass and Hastelloy
	Vacuum unit	PVC
	Seals	FPM, PTFE
Pressure gauge (optional)	bar	0 – 16
Weight (with flange and manometer)	kg	6

Dimensions

Vacuum regulator with threaded connection
All dimensions in mm



Vacuum regulator with flange connection
(Flange DN25 / PN40 with groove acc. to EN1092 Form D)
All dimensions in mm



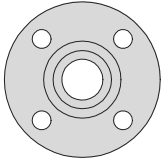
C 2560-V standard accessories



Activated carbon cartridge

With bracket and 3 m hose for installation in the blow-off line, connection for PE hose Ø8/12

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



Flange

- Counterflange - 1" NPT female thread with tongue
- Counterflange - welding neck flange with tongue



Bottle with ammonia solution

For leak test of the connection.



Liquid sealant

For connecting 1" NPT screw connections



