

Product Information Vacuum Regulator TJ C-2211+

Line systems in negative pressure

In gas installations, the danger arising from a leaked medium can be significantly reduced by using line systems in vacuum. A possible leak in lines run with Vacuum leads to an immediate stop in the medium's flow. The TJ-C2211+ automatic vacuum controller fulfils this safety function. It is connected directly to bottles or lines that are under pressure and only releases the gas further in the line system in a vacuum.

Vacuum controllers are used in swimming pools, water works, for water purification processes and in the most diverse industrial applications.



Reliability thanks to high quality

The TJ-C2211+ can be used for an equal withdrawal of chlorine gas, hydrogen chloride, carbon dioxide or sulfur dioxide. It fulfils the highest safety standards. Its diverse connections for gas containers and line systems, its drive side manometer and residual pressure safety device make it versatile in its Application. A heated moisture eliminator on the drive side in the intake valve of the TJ-C2211+ is available as an option for its use with gas bottles.

The TJ-C2211+ is designed both for individual and also for parallel use of several vacuum controllers operated by batteries.

Construction of the finest

At the transition between positive pressure in the gas container and the negative pressure in the line, the TJ-C2211+ vacuum controller automatically closes with loss of vacuum in the line. It then works without using auxiliary power and is therefore active in the event of a decreased pressure in the line system without a time lag.

A flow limiter prevents the gas container from freezing due to excessive intake quantities. If the pressure of the gas container falls under 0.2 bar over pressure when it is being emptied, the residual pressure device closes and allows the simple change of the gas container without disturbing the line system. This simultaneously prevents the humidity from the air entering the system and into the gas container.

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TOSHCON JESCO

The high-quality and chemically stable materials with which the components of the TJ-C2211+ are made guarantee long durability.

In short

- Output with chlorine gas: 25 g/hr up to 10 kg/hr
- Compact design
- Safe operation with vacuum technology
- Flow limiter
- Gas filter
- Available with all current gas connections
- Can be connected directly to gas bottles or collecting pipes

Technical data

Output with chlorine gas	-	25 g/hr up to 10 kg/hr (with flow limiter <1 kg/hr)
Intake pressure	-	max. 16 bar
Pressure connection	-	Union nut BSW 1"
Vacuum connection	-	Hose clamp d 8/12
Inlet valve material	-	Monel, brass and Hastelloy
Casings material	-	PVC
Membrane material	-	FPM
Manometer	-	-1...15 bar
Empty status signal with the contact manometer	-	alternative to manometer
Dimensions (W x H x D)	-	108 x 218 x 169 mm
Weight	-	approx. 2.3 kg

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