

Reliable technology for every need

Chlorinator C 2701/SL

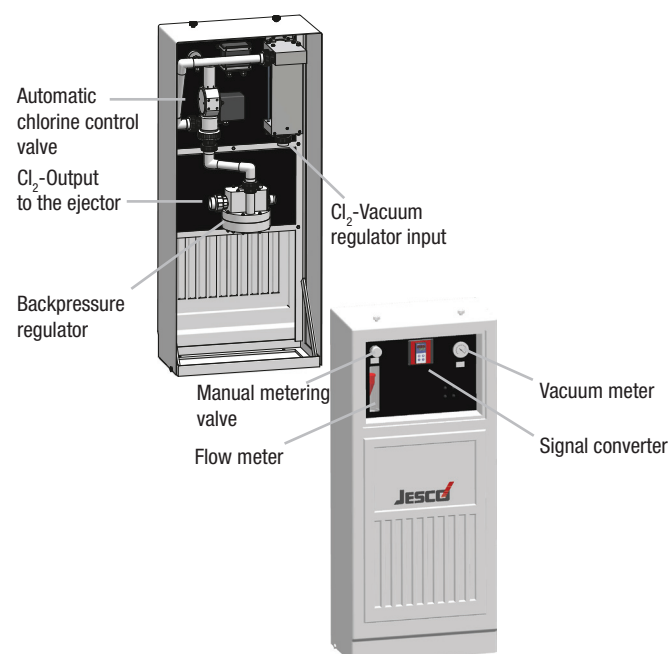


Use

The most common use for vacuum chlorinators is disinfecting water in waterworks, cooling towers or in treatment plants for water processing. All these uses require automated chlorinators

The C 2701 equipment series combines classic chlorinators for manual use with automated elements. Remote control is via standard signals.

C 2701 is a DIN 19606-compliant vacuum chlorinator which is used for dosing dangerous gases such as chlorine, sulphur dioxide or ammonia. Gas escapes are impossible as pressure in all parts of the chlorinator are lower than atmospheric pressure.



Functions

- Vacuum technology compliant with DIN 19606
- Glass flow meter
- Highly chemical-resistant materials
- Automatic control valve (optional)
- Signal converter (optional)
- Back-pressure regulator
- Vacuum meter

Modular system with options

The dosage is set manually in devices in the standard range and displayed on the float-type flow meter made of high-resistance glass. On devices with automatic control valve the dosage can be set remotely using standard signals. The control valve has a nozzle system which has been specially developed for use with chlorine – highly chemical-resistant and insensitive to soiling.

The C 2701 can be fitted with a signal converter as an option, which allows the chlorinator to be matched very well to the given application. Possible reasons for use include:

- The chlorinator selected was too large.
- The process requires variable dosage concentrations, depending on season, for instance.

The series back-pressure regulator controls the pressure conditions in the device and ensures exact dosing. It is fitted with a vacuum meter – with the option of a threshold value switch.

All function groups are mounted in a free-standing cabinet. The operating and display elements are on the front. All assembly components are easily accessible from the rear for maintenance tasks.

Technical data

Chlorinator C 2701

Dosage range		kg/h Cl ₂	40/60/120/200
Operating vacuum		mbar	-100
Required injector vacuum		mbar	-250
Nominal value of air valve		mbar	-500
Adjustable flow range		%	0 – 100
Flow meter	Length	mm	300
	Accuracy		± 2 % of final scale reading
	Scale ratio		1:20
	Material		Glass
Vacuum meter	Measuring range	bar	-1 – 0
	Size	mm	Ø63
	Accuracy		± 2.5 % of final scale reading
Material in contact with the media	Plastics		PVC, PVDF
	Springs		Hastelloy
	Seals, diaphragms		FPM
Weight		kg	50 approx.
Ambient temperature		°C	0 – 40 (no direct sunlight)

Control valve

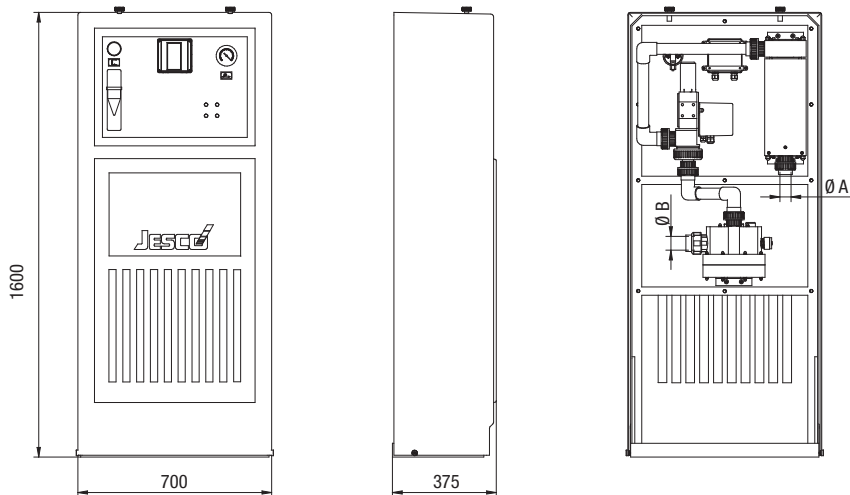
Voltage supply			230 V AC, max. 7 VA
Control signal		mA	(0)4 – 20
Feedback signal		mA	(0)4 – 20
Adjustment time			90 s for 0 – 100%
Protection class			IP65
Material in contact with the media			PVC, FPM, PTFE
Weight		kg	2.5 approx.
Ambient temperature		°C	0 – 40 (no direct sunlight)

Signal converter

Voltage supply			110 – 240 V AC, max. 14 VA
Signals (input and output)		mA	(0)4 – 20
Limit value relay			max. 3 A, 230 V AC
Signal amplification			x0,1 ...x1 ...x100
Displays			LEDs, green and red
Protection class			IP65
Housing			ABS
Weight		kg	0.5 approx.
Ambient temperature		°C	-5 to +55

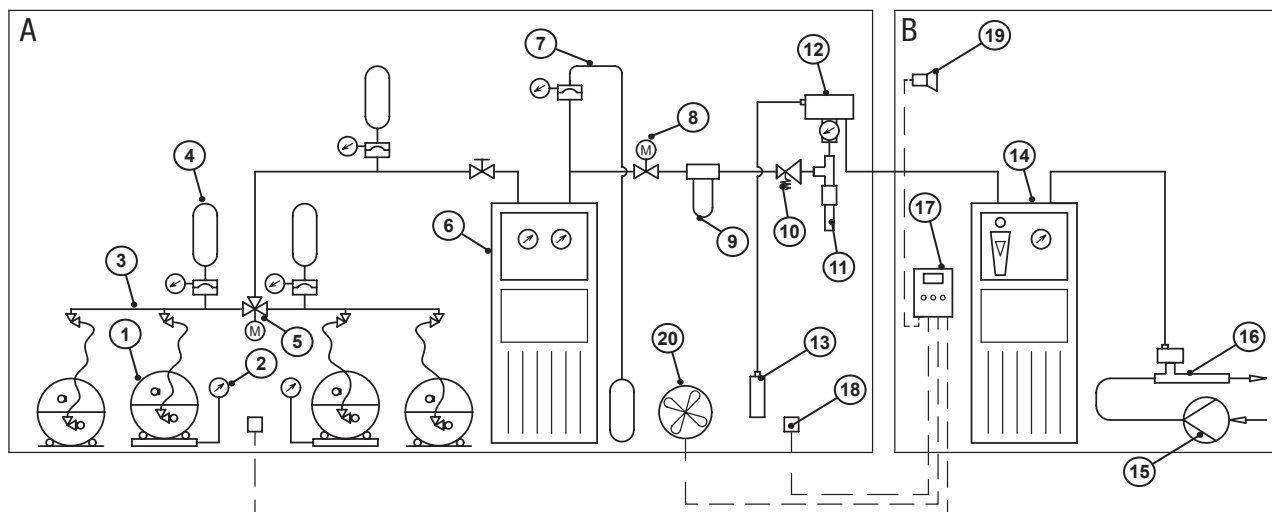
Dimensions

All dimensions in mm



Output	Input ØA and Output ØB
to 60 kg/hr	PVC-screw connection DN32 / Ø40 mm
to 200 kg/hr	PVC-screw connection DN40 / Ø50 mm

Installation example



Item	Description	Item	Description
A	Room for the chlorine supply	10	Pressure reducing valve
B	Dosing device room	11	Moisture eliminator with heating collar
1	Chlorine barrel	12	Vacuum regulator
2	Chlorine barrel scale	13	Activated carbon cartridge
3	Pressurized manifold	14	Dosing device
4	Expansion system for piping	15	Motive water pump
5	Changeover switch	16	Injector with non-return valve
6	Chlorine evaporator	17	Gas warning device
7	Expansion system for chlorine evaporator	18	Gas sensor
8	Automatic chlorine ball-valve	19	Horn
9	Chlorine gas filter	20	Entrance port of the chlorine eliminator

Product range

Lutz Pumpen GmbH
Post Office Box 1462
D-97864 Wertheim
www.lutz-pumpen.de

Product range

Lutz-Jesco GmbH
Post Office Box 100164
D-30891 Wedemark
www.lutz-jesco.de



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Dosing pumps



Chlorinators



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TECHNOPOOL

Products for the disinfection of swimming pool water based on salt water electrolysis and domestic water technology



Measuring and control equipment



Disinfection



Standard plus



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