

General

Chlorine may only be continuously withdrawn from tanks at a rate of approx. 1% since the pressure would drop considerably as a result of the reduction in temperature associated with the loss of energy if chlorine is withdrawn at a higher rate. This can result in icing on the outside.

For this reason, large quantities of chlorine are withdrawn from several tanks in parallel and collected in a chlorine manifold.

The chlorine manifold is available for connection from 2 to 8, with ball valve 2 to 6 chlorine cylinders. Unused connections can be sealed with blank caps. The symmetrical design ensures appropriate installation as shown in the example.

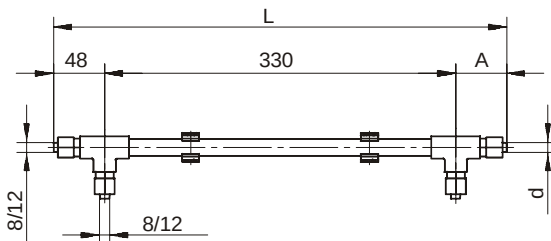
Important: No excess pressure

The chlorine manifold must not be used for pressurized chlorine gas, but only in a vacuum. Refer to data sheet MB 2 31 01 for manifold excess pressure.



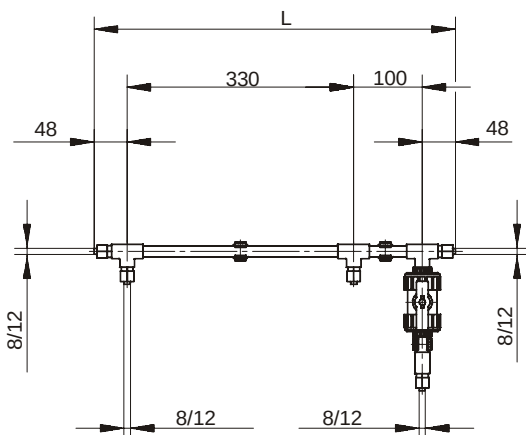
Dimensions

Vacuum manifold



Cylinder-connections	Blank caps	Part No.	Dimensions		
			A	d	L
2	2	22300037	48	8/12	426
3	3	22300038	48	8/12	756
4	4	22300039	48	8/12	1086
5	5	22300040	59	12/16	1427
6	6	22300041	59	12/16	1757
7	7	22300042	59	12/16	2087
8	8	22300043	59	12/16	2417

Vacuum manifold with ball valve

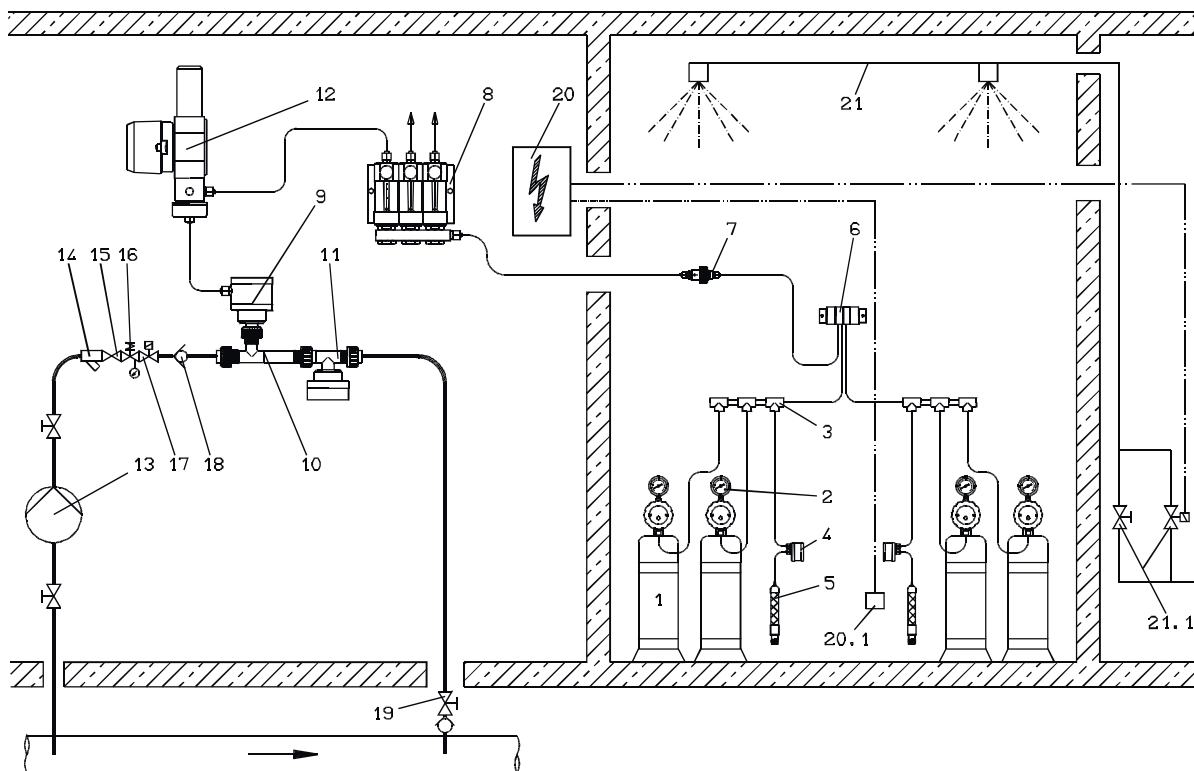


Cylinder-connections	Blank caps	Part No.	Dimensions
			L
2	2	22333820	526
3	3	22333821	856
4	4	22333822	1186
5	5	22333823	1516
6	6	22333824	1846

The part no. includes the manifold, blank caps, screws and dowels.

PVC Chlorine Manifold

Installation example



Legend

1	Chlorine cylinder		11	Vacuum breaker	MB 2 33 02
2	Vacuum chlorinator C 2211	MB 2 04 11	12	Control valve C 7700	MB 2 07 10
3	Vacuum manifold	MB 2 23 04	13	Booster pump	MB 2 29 01
4	Safety valve	MB 2 04 11	14	Dirt trap	MB 2 29 04
5	Activated carbon cartridge	MB 2 04 11	15	Shutoff valve	MB 2 29 04
6	Chlorine changeover valve C 2006	MB 2 04 13	16	Pressure reducing valve with pressure gauge	MB 2 29 04
7	Non-return valve or Safety shutoff valve	MB 2 04 11 MB 2 04 06	17	Solenoid valve	MB 2 29 04
8	Measuring glasses and distributor block	MB 2 04 11	18	Ball-type non-return valve	
9	Ejector non-return valve	MB 2 32 01	19	Chlorine solution inlet	MB 2 34 01
10	Ejector	MB 2 31 01	20	Chlorine gas warning device	MB 2 36 04
			20.1	Sensor for gas warning device	MB 2 36 04
			21	Sprinkler system	MB 2 41 00
			21.1	Fittings for sprinkler system	

Example for ordering

1500 g/h chlorine are required for continuous chlorination. This means that three 50 kg chlorine cylinders must be connected simultaneously on account of the permissible 1% withdrawal rate. A second battery of chlorine cylinders must be kept on hand with automatic changeover to ensure continuity.

The order must be worded as follows:

2 ea. PVC manifold for 3 chlorine cylinders.

Part No. 22300038

Single blank caps with seal: Part No. 29184

Declaration of Harmlessness

Please fill out a separate form for each appliance!

We forward the following device for repairs:

Device and device type:

Part-no.:

Order No.:

Date of delivery:

Reason for repair:

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.....

Dosing medium

Description:

Irritating: ☐ Yes ☐ No

Properties:

Corrosive: ☐ Yes ☐ No

We hereby certify, that the product has been cleaned thoroughly inside and outside before returning, that it is free from hazardous material (i.e. chemical, biological, toxic, flammable, and radioactive material) and that the lubricant has been drained.

If the manufacturer finds it necessary to carry out further cleaning work, we accept the charge will be made to us.

We assure that the aforementioned information is correct and complete and that the unit is dispatched according to the legal requirements.

Company / address:

Phone:

.....

Fax:

.....

Email:

Customer No.:

Contact person:

Date, Signature:

Warranty Application

Please copy and send it back with the unit!

If the device breaks down within the period of warranty, please return it in a cleaned condition with the complete warranty application, filled out.

Sender

Company: Phone: Date:

Address:

Contact person:

Manufacturer order no.: Date of delivery:

Device type: Serial number:

Nominal capacity / nominal pressure:

Description of fault:.....

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Service conditions of the device

Point of use / system designation:.....

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Accessories used (suction line etc.):.....

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Commissioning (date):

Duty period (approx. operating hours):

Please describe the specific installation and enclose a simple drawing of the chemical feed system, showing materials of construction, diameters, lengths and heights of suction and discharge lines.