

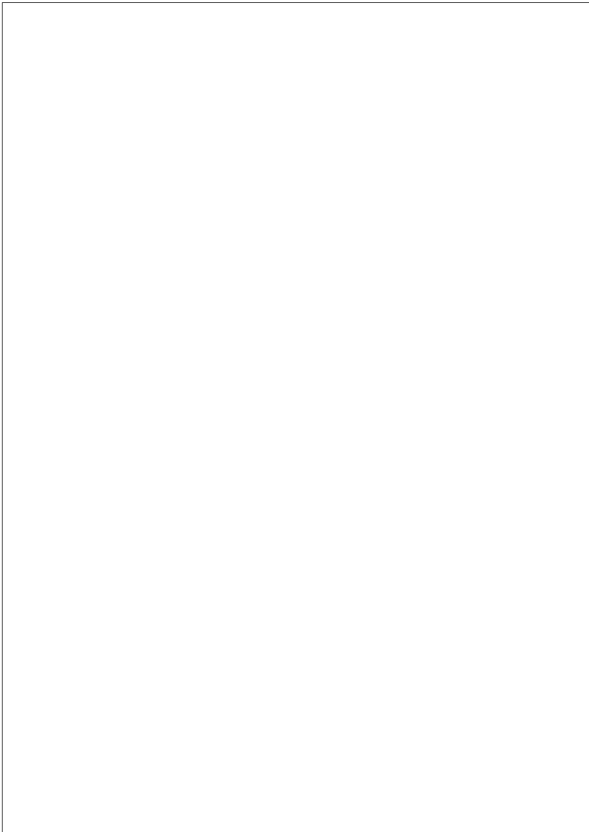
**General**

Motive water units are preassembled fittings in various configuration levels and used in combination with booster pumps according to data sheet MB 2 29 01 to guarantee a constant supply pressure for chlorine gas ejectors.

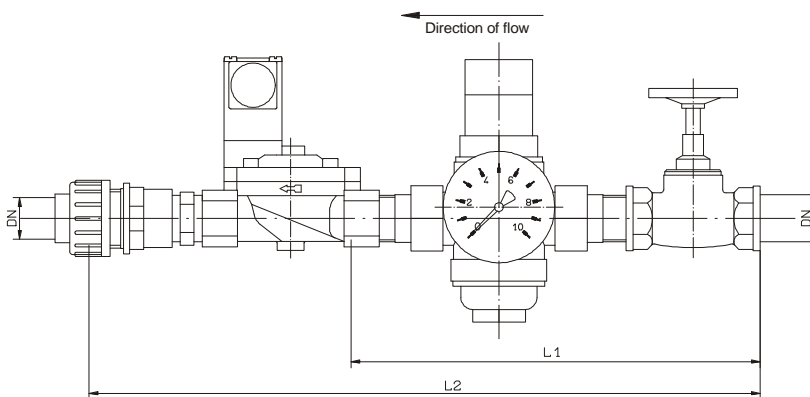
The pressure reducing valve is the most important part of the motive water unit. It compensates all pressure fluctuations in the booster pump due to changing inlet pressure or variations in withdrawal by several connected metering systems.

The pressure reducer has a built-in dirt trap and is available with pressure gauge to indicate the reduced pressure.

In addition to the standard shutoff valve, a version with solenoid valve is also available. The latter may be required if the supply to the ejector has to be shut off without stopping the booster pump so that it can continue to supply other metering systems.

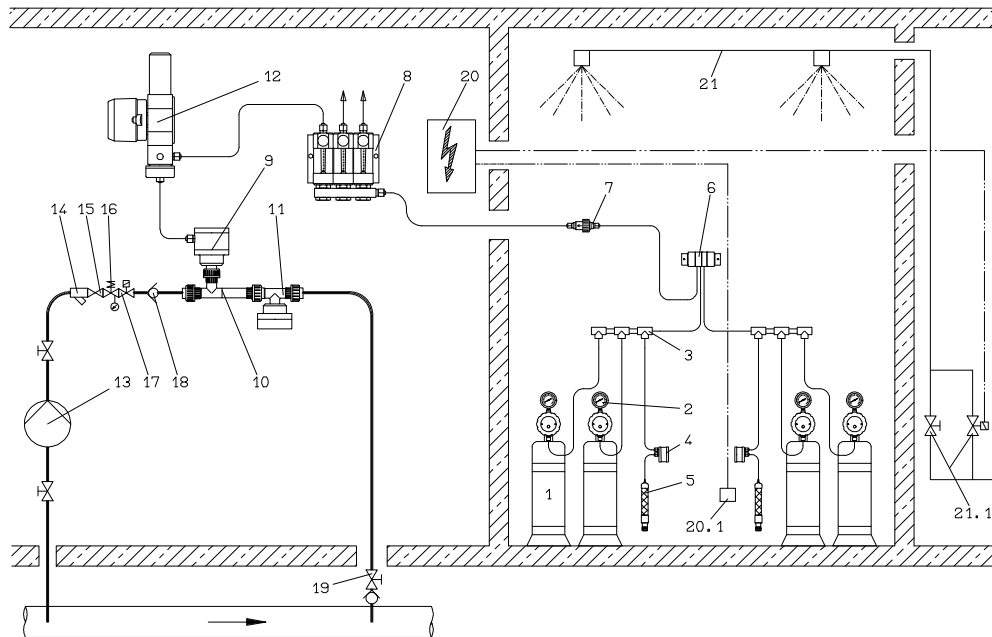


**Dimensions**



**Technical data**

Nominal width	Capacity	Motive water unit comprising:	
		Shutoff valve Pressure reducing valve with dirt trap	Shutoff valve Pressure reducing valve with dirt trap and solenoid valve
DN	m <sup>3</sup> /h	L1	L2
G 3/4-DN15	3	232	380
G 1 1/4-DN32	6	320	460
G 2-DN50	24	420	620

**Installation example**

**Legend**

1 Chlorine cylinder		12 Control valve C 7700	MB 2 07 10
2 Vacuum chlorinator C 2211	MB 2 04 11	13 Booster pump	MB 2 29 01
3 Vacuum manifold	MB 2 23 02	14 Dirt trap	MB 2 29 04
4 Safety valve	MB 2 04 11	15 Shutoff valve	MB 2 29 04
5 Activated carbon cartridge	MB 2 04 11	16 Pressure reducing valve with pressure gauge	MB 2 29 04
6 Chlorine changeover valve C 2005	MB 2 04 05	17 Solenoid valve	MB 2 29 04
7 Non-return valve	MB 2 04 11	18 Ball-type non-return valve	
or		19 Chlorine solution inlet	MB 2 34 01
Safety shutoff valve	MB 2 04 06	20 Chlorine gas warning device	MB 2 36 04
8 Viewglasses and distributor block	MB 2 04 11	20.1 Sensor for gas warning device	MB 2 36 04
9 Ejector non-return valve	MB 2 32 01	21 Sprinkler system	MB 2 41 00
10 Ejector	MB 2 31 01	21.1 Fittings for sprinkler system	
11 Vacuum breaker	MB 2 33 02		

**Part numbers**

Nominal width DN	Motive water unit comprising:	
	Shutoff valve, pressure reducing valve with dirt trap and pressure gauge	Shutoff valve, pressure reducing valve with dirt trap, pressure gauge and solenoid valve
G 3/4	22913611	22913619
G 1 1/4	22913614	22913622
G 2	22928685	22928687

**Order example**

An ejector requiring 5.2 m<sup>3</sup>/h motive water has been selected for a C 2525 chlorination system. Since only one chlorination system is to be operated by the booster pump, the system can be actuated by switching the booster pump on and off. A solenoid valve is not required. A pressure gauge indicating the reduced pressure is advisable, since the motive

pressure can be reduced to the minimum required for ejector operation in order to save energy and avoid unnecessary noise in the ejector. A pressure reducer with pressure gauge and shutoff valve is therefore selected in size G 1 1/4 for up to max. 6 m<sup>3</sup>/h throughput.