

Motive water with constant pressure

Motive water set



Constant supply pressure

Motive water sets are pre-assembled fittings in various configurations used together with booster pumps to guarantee constant supply pressure for chlorine gas injectors.

The most important part of the motive water set is the pressure reducing valve. The valve counteracts all pressure fluctuations in the booster pump that arise due to a fluctuating feed pressure or fluctuating extraction from multiple connected dosing systems.

The pressure reducer is equipped generally with an integrated strainer and a pressure gauge displaying the reduced pressure.

Besides the standard configuration with built-on shutoff valve, a configuration with additional solenoid valve or motor ball valve can also be delivered. This configuration is required if you want to stop the supply to the injector without stopping the booster pump at the same time.

A configuration with an additional PVC non-return valve is used often to prevent chlorinated water from reaching fittings when the system is stationary.

Functions

- Pre-assembled fixture
- Constant supply pressure for injectors
- Max. flow rate 46 m³/h

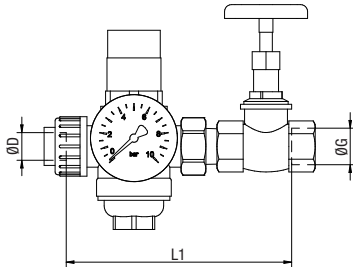
Technical data

Motive water set			DN15	DN32	DN50	DN80
Nominal width						
Max. flow rate		m ³ /h	3	6	24	46
Pres- sure-relief	Max. Inflow pressure	bar	16			
	Back pressure	bar	1.5 – 6			1.5 – 7.5
	Min. Pressure drop	bar	1			
Com- pon- ents coming into con- tact with the media	Shut-off valve		Red brass, brass, PVC			
	Pressure-relief		Brass (Spheroidal graphite iron), EPDM, stainless steel			
	Solenoid valve		brass, FKM			
	Motor ball valve		PVC, FKM			
	Non-return valve		PVC, FKM			
Voltage supply	Solenoid valve		230V, 50/60 Hz			
	Motor ball valve		24V – 230V, 50/60 Hz			
Max. temperature of the medium		°C	40			

Dimensions

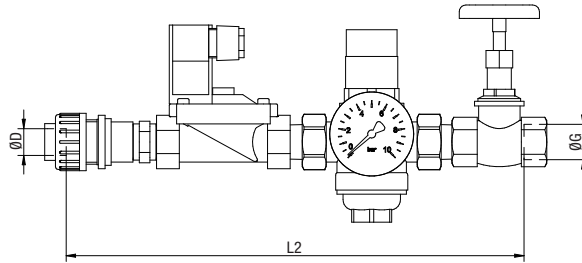
Shutoff valve and pressure reducer

All dimensions in mm



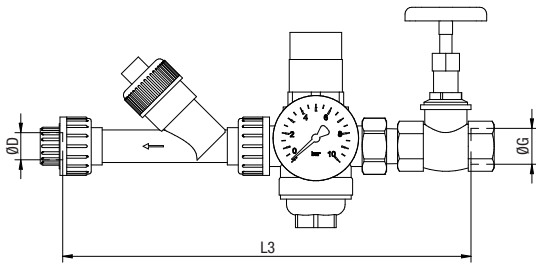
Shutoff valve, pressure reducer and solenoid valve

All dimensions in mm



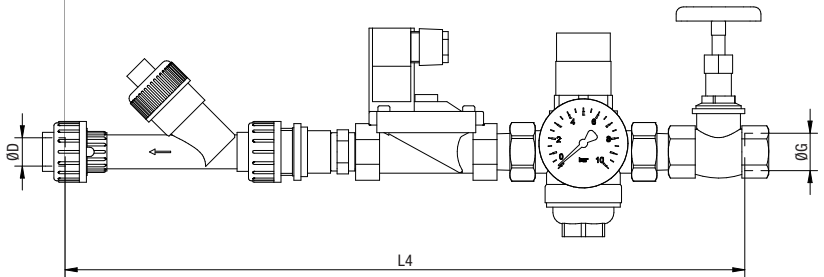
Shutoff valve, pressure reducer and non-return valve

All dimensions in mm



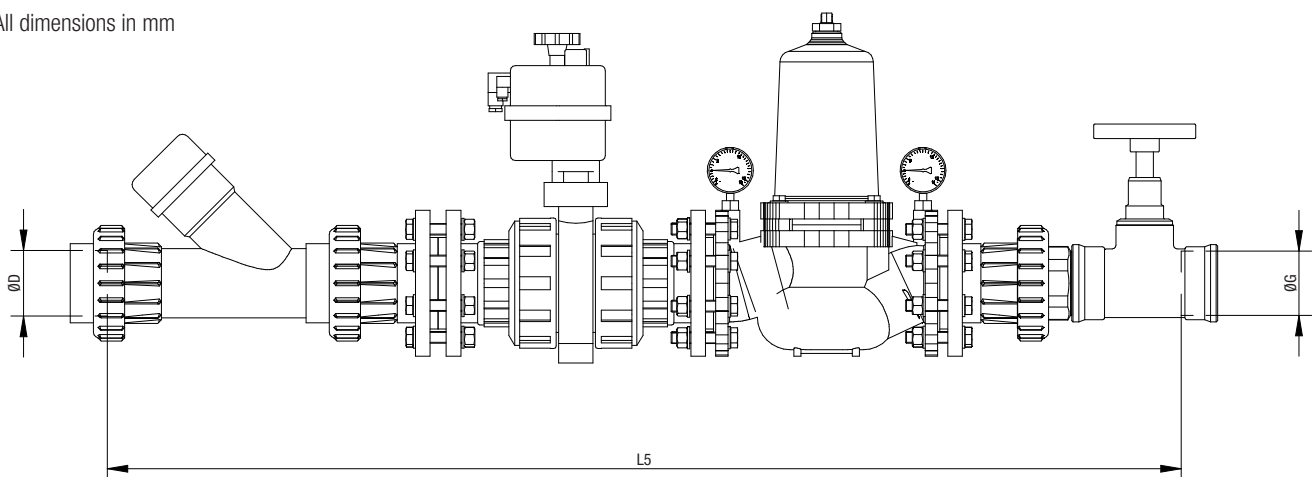
Shutoff valve, pressure reducer, solenoid valve and non-return valve

All dimensions in mm



Shutoff valve, pressure reducer, motor ball valve and non-return valve

All dimensions in mm



Nominal width		DN15	DN32	DN50	DN80
Internal thread at the input	ØG	G3/4	G1 1/4	G2	G3
PVC glued socket at the output	ØD	20	40	63	90
Lengths	L1	163	258	338	-
	L2	343	384	490	-
	L3	300	448	589	-
	L4	480	-	-	-
	L5	-	-	-	1470