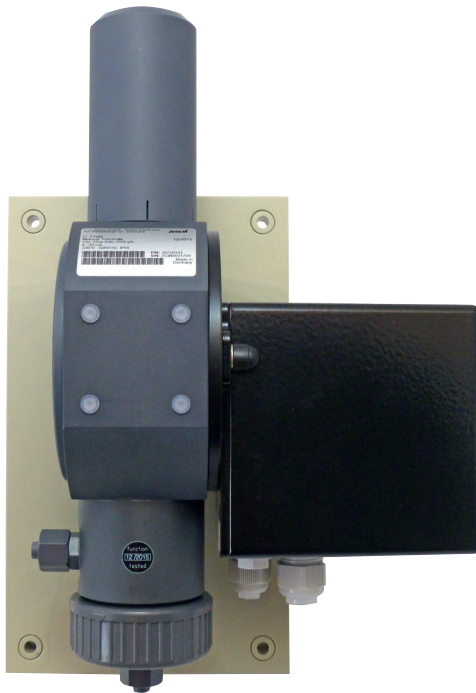


The automatic

Regulation valve C 7700



Controlled dosing

Hazardous gases are normally conveyed in piping systems with negative pressure. Complex installations with a central control (e.g. a PLC) require controllable components in the piping system to permit automatic access. Electrical regulation valves are used for the automatic control of the gas flow in such a piping system.

Regulation valves such as the C 7700 are used in swimming pools, water works, in water treatment and in a variety of industrial applications.

Linear and variable

The C 7700 can be used for the proportional dosing of chlorine gas, carbon dioxide or sulphur dioxide. Its simple wall mounting and compact form mean that it can be deployed everywhere. It is used as an actuator in a control circuit. The manual locking of the valve to 100% opening deactivates the automatic action where required. A flow meter is optionally available for volume measurement.

A servomotor acts as the drive for the valve. The C 7700 is controlled via an external controller via 3-point step or 4 – 20 mA. The flow volume is proportional to the control variable of the drive. The high-quality materials used to construct the modules of the C 7700 make them chemical-resistant and promise a long service life.

Functions

- 3-Point step or 4 – 20 mA control
- Linear characteristics
- Mounted on a wall panel
- Manually arrestable at 100 % opening
- Flow meter and signal converter (optional)

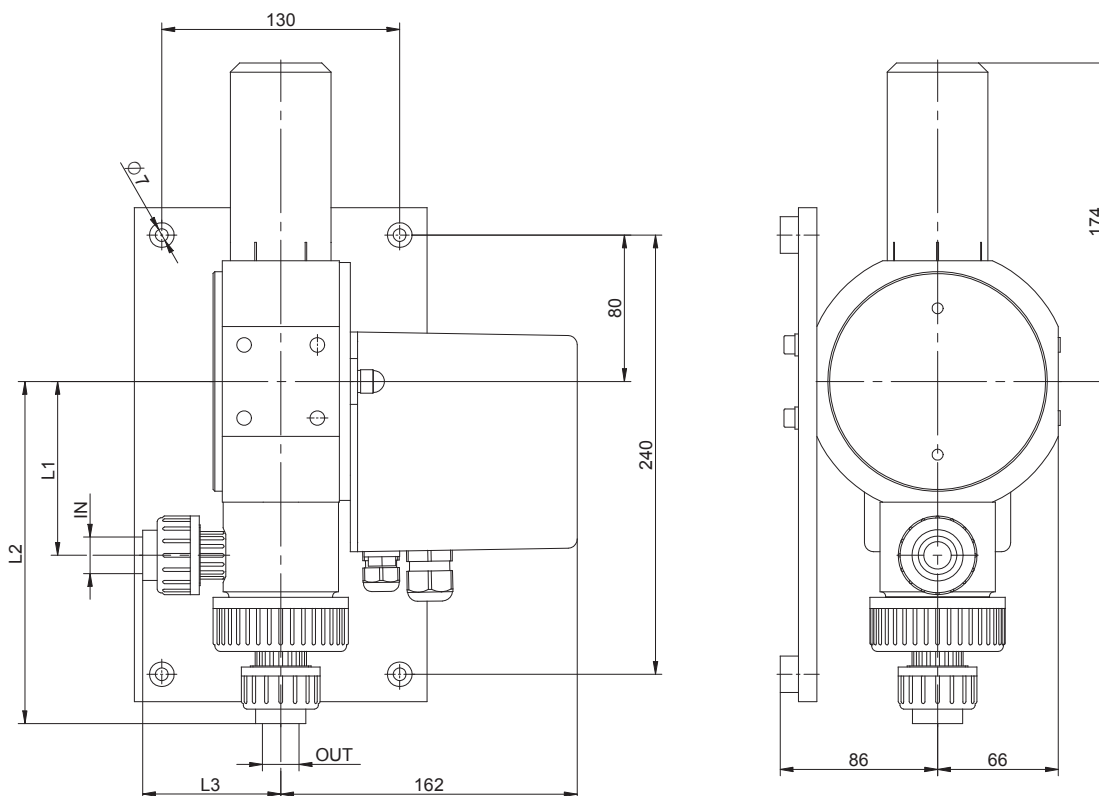
Technical data

Regulation valve C 7700

Output volume with chlorine gas	kg/h	up to 200	
Voltage supply		230 V, 50 – 60 Hz (optional 115 V AC)	
Regulation signal		4 – 20 mA	Position feedback 4 – 20 mA
		3-point step	Position feedback 0 – 1000 Ohm
Protection classification		IP65	
Actuating time	s	30 (optional 60)	
Ambient temperature	°C	0 – 55	
Weight	kg	5.5 approx.	

Dimensions

All dimensions in mm



Connection (IN / OUT)	Dimension L1	Dimension L2	Dimension L3
Hose 8/12 mm	95	170	55
Hose 12/16 mm	95	181	66
Threaded connection DN15 / d20	95	187	75.5
Threaded connection DN32 / d40	103	252	112.5
Threaded connection DN40 / d50	103	247	128.5