

# ChemGAS

## Omni-Valve Chlorine Control Valve

The Chemfeed Omni-Valve motor control valve for chlorine gas, with electronic control for precise and automatic metering of the chlorine gas flow. Linear control characteristics thanks to highly precise V-notch nozzle, which is adjusted via a stepper motor. Capacity ranges from 200g/hr to 40Kg/hr.

Control of the chlorine flow can be manually adjusted from the keypad of the Omni-Valve or via external signals, such as 0/4–20 mA, 0/2–10 V or Modbus.

Capable of operating in eight different control modes, covering an even larger range of capacities, and having a multitude of control options, adjustment features and settings; the Chemfeed 110 Omni-Valve is truly an all-in-one automatic control valve for chlorine control.



### CONTROL OPTIONS

- 1 Manual
- 2 Proportional (i.e. Flow Pacing)
- 3 Setpoint—Residual
- 4 Setpoint—Free available chlorine
- 5 Compound Loop (i.e. PID)
- 6 Step Feed
- 7 Dual Input Feed Forward
- 8 Dual Set Point

*Control modes are field selectable and can be changed at any time.*

### FEATURES

- ▶ Backlit display (LCD)
- ▶ Modbus Communication (RS485)
- ▶ Remote Automatic/Manual control
- ▶ Remote Duty/Standby control
- ▶ 3x 4–20mA analogue inputs: Flow, Residual/ORP and Remote Setpoint
- ▶ 2x 4–20mA analogue outputs: Feed rate and/or Process Variable #1
- ▶ 2x SPDT alarm relays
- ▶ Linear Operation—Eliminates all rotating motion, rotary drive shafts & gears
- ▶ V-notch feed control



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