

# The stand-alone model

## Electrical Pressure-Chlorine Changeover Unit C 7520



### Continuous chlorine supply

Chlorine gas dosing systems in a water treatment system must be permanently ready for operation so that the water can be disinfected at any point. This explains the fitting of the systems with two supply batteries - one side in operation, the other on stand-by.

The electrical pressure-chlorine changeover unit, type C 7520, ensures the automatic changeover between both batteries (cylinder or drum batteries). The chlorine can either be liquid or gaseous.

The C 7520 is available as a plate-mounted design or a ready-to-use assembly kit.

### Automated and communicating

The control of the C 7520 employs the contact pressure gauge in order to detect when the power supply from the operating battery comes to an end, in which case the control activates the motor ball valves. The battery, which has been in use up to that point in time and has now become discharged, is disconnected and the standby battery is connected.

The control monitors all operating modes and displays them in a self-explanatory fashion in a flow chart. Relay outputs are available for the important operating signals - empty left and right, operating signal left and right and fault message.

The motor ball valve is fitted with a manual emergency lever, which allows the changeover by hand.

The residue discharge function can be activated on the control. This function resets at periodic intervals to the battery registered as empty following the changeover. In this way, any remaining residue is used from the chlorine cylinder, but the cylinder cannot permanently cover the chlorine requirements alone.

### Functions

- Capacity range of up to 200 kg Cl<sub>2</sub>/h
- Residue discharge
- Control with indication of operation
- Relay for remote indication
- Manual changeover via key press

### Specifications

Throughput	kg/h	up to 200
Max. operating pressure	bar	16
Material in contact with the media		Steel/stainless steel/PTFE
Changeover time	s	25 approx.
Voltage supply	V AC	100 – 240
Power output	idle	W 5
	during changeover	W 100
Protection class		IP65
Load capacity of the relay		Max. 10 A / 250 V AC
Weight	kg	13

## Model variants

Installation	Contact pressure gauge	Hydraulic connections
Preassembled on a plate	0 – 16 bar, Ø63 mm	1" NPT male
Available as an assembly kit	0 – 16 bar, Ø100 mm	Flange DN25/PN40 with a grove (gas inlet) and spring (gas outlet) acc. to EN 1092-1 1" NPT female thread (ball valve) 1" NPT external thread (pipe)

## Scope of delivery

Preassembled on a plate:

- Operating ready
- 1.5 m power cord with Europlug
- Installation material for wall fixing

Assembly kit

- 2x motor ball valves
- Chlorine gas changeover unit installation kit (pipework including a pressure gauge)
- Connection cable
- 1.5 m power cord with Europlug
- Installation material for wall fixing

## Dimensions

All dimensions in mm

