

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.

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 also available for the significant operating signals - empty notification and fault message.

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

The C 7520 is available as a plate-mounted version, an assembly kit or a welded piping system with 5 manual service valves.

Functions

- Capacity range of up to 200 kg/h chlorine gas and up to 1400 kg/h liquid chlorine
- Control with indication of operation
- Relay for remote indication
- Manual changeover via key press

Model variants

Variant	Contact pressure gauge	Hydraulic connections
Preassembled on a plate	0 – 16 bar, Ø63 mm	1" NPT male
Assembly kit		Flange DN25/PN40 with a groove (gas inlet) and spring (gas outlet) acc. to EN 1092-1
	0 – 16 bar, Ø100 mm	1" NPT female thread (ball valve) 1" NPT external thread (pipe)
C7520 with service valves	0 – 16 bar, Ø63 mm	Flange DN25/PN40 with a groove (gas inlet) and spring (gas outlet) acc. to EN 1092-1

Technical data

Pressure chlorine changeover unit C 7520			
Throughput	Chlorine gas	kg/h	up to 200
	Fluid chlorine		up to 1400
Max. operating pressure		bar	16
Material in contact with the media			steel, Monel, stainless steel, PTFE, silver
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. 3 A / 250 V AC
Weight	With baseplate	kg	17
	With 5 service valves	kg	35 approx.
Permissible ambient temperature		°C	0 – 60

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)
- Control with fitted cables (2m)
- 1.5 m power cord with Europlug
- Installation material for wall fixing

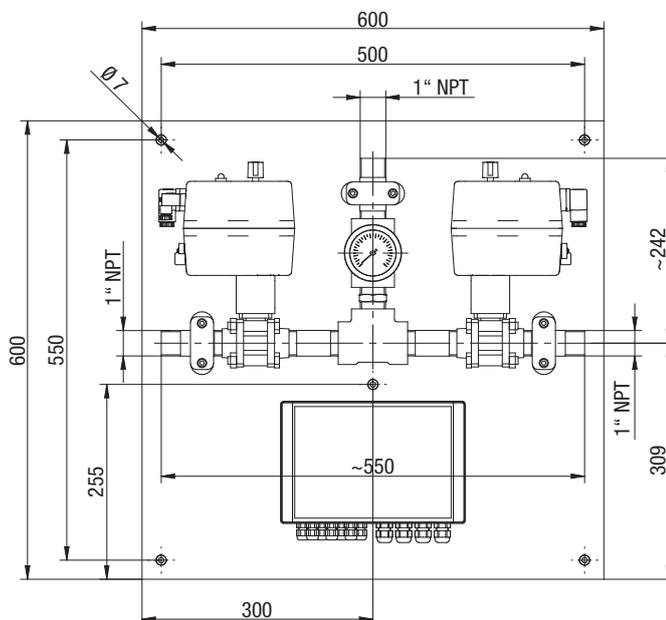
C 7520 with 5 service valves

- Welded piping system with 2 motor ball valves, 5 manual ball valves and a pressure gauge
- Control with fitted cables (2m)
- 3 counter-flanges, 1 blind flange
- Installation material for wall fixing

Dimensions

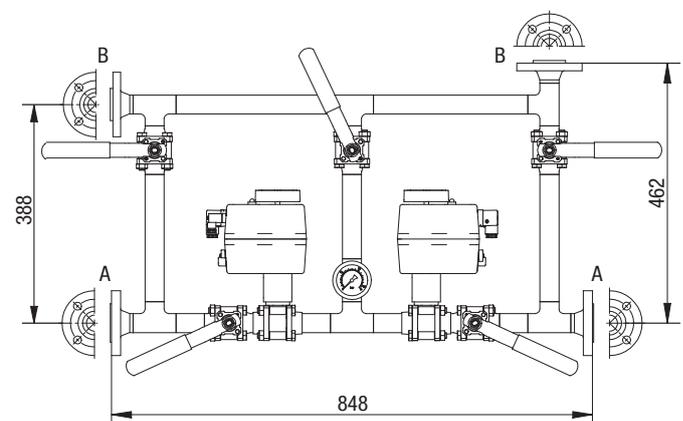
C 7520 on mounting plate

All dimensions in mm



C 7520 with service valves

All dimensions in mm



Flange	A	B
DN25/PN40 EN1092-1	Inputs with groove (form D)	Outputs with spring (form C)