

FEED SYSTEM GRANUDOS-PLUS

FUNCTION DESCRIPTION

Feed system for the distribution of the pH-neutral chlorine solution that is produced by the GRANUDOS-Plus to the different pool cycles by dosing lines. The dosing of the chlorine solution to the pools is controlled by external controllers.

A solenoid centrifugal pump with PVDF head is generating a constant pre-pressure for the dosing lines for the single pools through a pressure retention valve. If a control valve of a dosing line is opened the same flow rate is always realised, no matter how many dosing lines are actuated.



SCOPE OF DELIVERY

Buffer tank:

- Buffer tank PE d 650 x h 1110 mm - 300 l with screw lid
- 2 level switches min/max to control the filling
- 2 level switches min/max for alarm
- Activated carbon filter for the dechlorination of the vent air during the filling

Safety tub:

- PP-tub 680 x 1150 x 430 mm with carrier plate for booster pump
- 1 level switch for overflow monitoring
- 2 handles to carry the system

Feed system:

- Solenoid centrifugal pump 230 VAC - 0,55 kW - 1000 l/h at 1,2 bar (optional 230 Volt - 1,1 kW with frequency converter - 2000 l/h at 1,6 bar) fitted on carrier plate of the safety tub with suction pipe d32 to the buffer tank
- Recirculation pipe d 25 with pressure retention valve PVC/PTFE. Non return valve PVC/FPM d 25. Pressure gauge 0 - 4 bar with gauge guard PVC/PTFE. Aeration/emptying connection d 20. Pressure connection to the distributor of the dosing lines
- Connector box for level switches and pump with safety relay system to close all chlorine control valves in the event of malfunction
- Mounting plate 500 x 1300 mm for up to 8 dosing lines GR (more on demand)

Dosing lines (quantity complies with the number of pools):

- Flow meters 5-25 l/h to 100 - 1000 l/h (as demanded)
- Solenoid control valves Bürkert, resistant against chlorine solution up to 5 g/l
- Separation valve PVC d 20
- Membrane valve PVC d 20 to adjust the flow of every dosing line

TECHNICAL DATA

Electrical supply MPN130-Fa	230 V AC
Power supply MPN130/150	550 W / 1100 W
Supply from GRANUDOS-Plus	DN20
Outlet to the injection points	DN15
Measures (W/H/D)	1200 x 1800 x 800 mm
Weight	app. 70 kg
Back-pressure max. MPN130/150	1,0 bar / 1,6 bar

TO BE PROVIDED BY THE BUILDER

- Power supply
- Supply tubing from GRANUDOS-Plus and tubing to the injection points
- Autocontrol systems to control the dosing lines

ACCESSORIES / OPTIONS

pH-control: Monitoring of the pH-value of the chlorine solution, switches-off the GRANUDOS if the demanded pH-range in the buffer tank is not hold

- Probe holder in suction tubing of booster pump
- pH-electrode
- pH-measuring converter
- Set point and alarm hysteresis programmable
- Installed in the control GRANUDOS-Plus

