GRANUDOS 15-PR TOUCH

FUNCTION DESCRIPTION

Dosing station for calcium hypochlorite and acid completely with autocntrol system for pH and redox. For the disinfection of swimming pool water.

Chlorine dosing directly from integrated hopper 15 kg. Acid is dosed into the system directly from the canister to correct the pH and to avoid scaling. Chlorine and acid are dosed separately in intervals to the dissolving system from where the chlorine solution is conveyed by a venturi nozzle to the pool water. The autocontrol system is pre-installed. The electrodes are integrated in the flushing tank of the dissolving system. An easy and reliable operation is guaranteed.

SCOPE OF DELIVERY

Housing: Solid one part rotational sintered PE shape containing all functional parts.

Chlorine dosing: Dosing hopper for chlorine granulate for max. 15 kg, dosing motor, dosing screw, knocker to support the dosing.

Acid dosing: Peristaltic dosing pump, suction lance with empty report of the canister, dosing valve 3/8“ in the dissolving system.

Dissolving system: Pre-filter d 75, flushing tank, booster pump app. 1000 l/h at 1,2 bar, venturi, mixing cyclone. Monitoring of the pump by pressure switch. Monitoring of the suction performance of the venturi. Level monitoring in the flushing tank. Carrier for electrodes.

Control techniques:

- Coloured 7“ Touch-Graphic display to indicate the current data and status of the unit
- Faults and alarms are illustrated by self-explaining icons
- All control parameters are adjustable to ensure optimal pool conditions
- Integrated test programmes for all functions
- Proportional control characteristic to ensure compliance with the selected set points
- Start-up automatic with pH preference dosing
- pH- and redox electrode with high reliability reference system Ag/AgCl
- Input for external release, shock chlorination
- Alarm relay with non-volt changeover contact
- Measuring value- and event storage (data logging)



- **Interfaces:** Modbus TCP, USB for data export
- **Remote indication & access via browser driven devices** (e.g. tablet or smartphone - terminal device not incl.): Indication of the measuring values, current operational states, errors and alarms. Adjustment of the control and operation parameters

TECHICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	390 W
Water supply	DN20
Water outlet to injection point	DN20
Measures (W/H/D)	400 x 1250 x 400 mm
Weight	app. 25 kg
Dosing performance chlorine	0,1 - 2 kg/h
Dosing performance acid	1 l/h
Pre-pressure min.	0,2 bar
Back-pressure max.	1,2 bar

TO BE PROVIDED BY THE BUILDER

- Power supply
- Supply tubing and tubing to the injection point
- Tubing of the overflow to the drain