

# GRANUDOS TOUCH.

## SIMPLY GENIUS.

### GRANUDOS 10-CPR TOUCH XL

#### FUNCTION DESCRIPTION

Dosing station for calcium hypochlorite, acid and flocculent completely with autocontrol system CPR Touch XL for free chlorine, pH-value, redox and temperature. For the disinfection, pH-regulation and flocculation of swimming pool water. Chlorine dosing directly from integrated hopper. Acid is dosed into the system directly from the canister to correct the pH and to avoid scaling. Chlorine and acid are dosed separately at intervals to the dissolving system from where the chlorine solution is conveyed by a venturi nozzle to the pool water. The dosing of the chemicals is controlled directly by the integrated autocontrol system. The booster pump of the Granudos works also as metering water pump. The metering water is returned into the cycle via the dissolving system. The autocontrol system and the peristaltic pumps for flocculent and acid are integrated well accessible under a transparent cover at the front of the unit.

#### SCOPE OF DELIVERY

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

**Chlorine dosing:** Dosing hopper for chlorine granulate for 5 kg, (upgrade to 15kg available) 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.

**Flocculent dosing:** Peristaltic dosing pump, suction lance with empty report of the canister, dosing valve 1/2"

**Dissolving system:** Pre-filter d75, 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 switch min/max flushing tank.

#### 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
- Input for external release, shock chlorination and ECO mode
- Alarm relay with non-volt changeover contact
- Operation languages: German and English

**Interface:** USB for data export

**Remote indication:** Indication of the current operational states errors and alarms (e.g. computer or smartphone)



#### Measuring cell

- Compact acrylic glass block to take the electrodes, flow regulator and sample water valve. Pressure resistant design for measuring water recirculation
- pH-electrode with high reliability reference system
- REDOX electrode with large and self-cleaning platinum round plate
- Free chlorine electrode consisting of: large and self-cleaning surface round gold plate and counter electrode with reference system Ag/AgCl
- Temperature sensor for temperature measurement
- Sample water valve

#### TECHNICAL DATA

Electrical supply	230 V / AC 50 Hz
Power supply	0.33kW
Water supply	DN25
Water outlet to injection point	DN20
Measures	W 70 cm x D 50 cm x H 125 cm
Weight	app. 40 kg
Dosing performance chlorine	0.6 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
- Overflow/drain in the plant room

#### ACCESSORIES / OPTIONS

- 15kg Hopper Upgrade shown