

# GRANUDOS 45/100-S4

Dosing station for calcium hypochlorite granulate and acid for the disinfection of swimming pool water.

## FUNCTION DESCRIPTION

Chlorine dosing directly from the delivery drum. 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 and are dissolved completely. Then the chlorine solution is conveyed by a venturi nozzle to the pool water. Dosing manually or linked to an external control system. All functions are permanently monitored.

## SCOPE OF DELIVERY

**Vertical support:** Rotating drum carrier, steel, zinc and blue powder coated, drum fixing device with clamp bands and safety belt.

**Chlorine dosing:** Dosing hopper to be screwed on the chemical drum. Dosing motor, dosing screw, knocker to support the dosing. Capacitive switch for empty monitoring of the drum.

**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.

**Microprocessor controller S4:** In housing IP 54. Signalisation and identification of faults by 5 LED. Non-volt omnibus fault message. Programme selector for service and test programmes. Adjustment of dosing performances chlorine and acid by 2 rotary knobs. External dosing control with controllers for free chlorine and pH-value with non-volt contact or 230 V/AC impulse length controlled. Relay system to assure dosing of only chlorine or acid or none. Switch-off of the dosing at malfunction.

The GRANUDOS is generally available for nearly all chemical buckets and drums in trade. Please mention the demanded drum if you will place an order for GRANUDOS 45 or GRANUDOS 100!



## TECHNICAL DATA

Electrical supply	230 V/AC 50 Hz
Power supply	0,39 kW
Water supply	DN20
Water outlet to injection point	DN20
Measures	W 60 cm x D 70 cm x H 140 cm
Weight	app. 50 kg
Dosing performance chlorine	GR 45: 0,1 - 2 kg/h GR 100: 0,2 - 4 kg/h
Dosing performance acid	3 l/h
Pre-pressure min.	0,2 bar
Back-pressure max.	1,2 bar (optional 1,8 bar)

## TO BE PROVIDED BY THE BUILDER

- Power supply
- Supply tubing and tubing to the injection point
- Tubing of the overflow to the drain
- Autocontrol system to control the dosing of the chemicals

## ACCESSORIES / OPTIONS

- Drum lifter for chlorine drums
- Container GR 150 for very high chlorine demand
- Optional for the dosing of Dichlor
- Autocontrol system
- Dust extraction for dusty chlorine granulate material

