

The background image shows industrial machinery, including pipes and valves, with a prominent red handle. A large, semi-transparent white circle is overlaid on the right side of the image, containing the main title and other text. The overall scene is brightly lit, suggesting an industrial or laboratory setting.

Chemical Dosing & Controllers

Granudos

Controllers

Chemical Storage

Chemical
Dosing &
Controllers

Granudos

Granudos 10-CPR Touch

Granudos 10-CPR Touch swimming pool disinfection system using IQ Granu-Chlor 700 granulated Calcium Hypochlorite and IQ Granu-cid acid with flocculant dosing is completely controlled by the autocontrol system CPR Touch for free chlorine, pH, redox and temperature. IQ Granu-Chlor 700 granulated Calcium Hypochlorite is dosed directly from the integrated hopper. IQ Granu-cid acid is dosed within the system from the container to correct the pH and to avoid scaling. IQ Granu-Chlor 700 Calcium Hypochlorite and IQ Granu-cid acid are dosed separately at intervals to the dissolving system from where the very low concentrated 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 flocculant and acid are integrated well accessible under a transparent cover at the front of the unit. Unit is self cleaning.

Housing with retention tub: Solid one part rotational sintered polyethylene shape containing all functional parts.

Chlorine dosing: Dosing hopper for chlorine granulate for 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

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: Modbus TCP, USB for data export

Remote indication: The measuring values, the current status, faults and alarms can be remote indicated by every browser driven device (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

Suitable for Pools: 10,000 – 400,000 ltrs

Electrical Supply: 230V/AC 50 Hz

Power Supply: 0.33 kW

Water Supply: DN25

Water outlet to injection point: DN20

Chlorine max output: 1 kg/h

Acid max output: 1 l/h

Pre-pressure Min.: 0.2 bar

Back-pressure Max.: 1.2 bar

Dimensions: 125 x 70 x 50 cm (H x W x D)

Weight: approx. 40 kgs

Code: GR24660

Full details and specifications available at our web site.

GRANUDOS 45/100-CPR TOUCH

Granudos 45/100-CPR Touch swimming pool disinfection system using IQ Granu-Chlor 700 granulated Calcium Hypochlorite and IQ Granu-cid acid dosing is completely controlled by the autocontrol system CPR Touch for free chlorine, pH, redox and temperature.

For the disinfection and pH regulation of swimming pool water. Chlorine dosing directly from the chemical drum. IQ Granu-cid acid is dosed into the system directly from the canister to correct the pH and to avoid scaling. IQ Granu-Chlor 700 granulated Calcium Hypochlorite and IQ Granu-cid 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 is mounted well accessible at the unit. Unit is self cleaning.

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 of the 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: Modbus TCP, USB for data export

Remote indication: The measuring values, the current status, faults and alarms can be remote indicated by every browser driven device (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

Dimensions: 180 x 60 x 70 cm (H x W x D)

Weight: approx. 55 kgs

Power: 230 V / AC 50 Hz

Power Supply: 0.3 kW

Water Supply: DN25

Water outlet to injection Point: DN20

Pre-pressure Min.: 0.2 bar

Back-pressure Max: 1.2 bar



45-CPR Touch

Suitable for Pools: 400,000 – 750,000 ltrs

Chlorine max output: 2 kg/h

Acid max output: 3 l/h

Code: GR24661

100-CPR Touch

Suitable for Pools: 500,000 – 4,000,000 ltrs

Chlorine max output: 4 kg/h

Acid max output: 3 l/h

Code: GR24749

Full details and specifications available at our web site.

Granudos

Granudos GR15

Swimming pool disinfection system using IQ Granu-Chlor 700 granulated Calcium Hypochlorite and IQ Granu-cid acid controlled by the auto control system POOL-PR for pH and ORP

IQ Granu-Chlor 700 granulated Calcium Hypochlorite is dosed directly from the integrated hopper. IQ Granu-cid acid is dosed within the system from the container to correct the pH and to aid in cleaning. IQ Granu-Chlor 700 Calcium Hypochlorite and IQ Granu-cid are dosed separately at intervals to the dissolving system from where the very low concentrated chlorine solution is conveyed by a venturi nozzle to the pool water.



Housing

Solid one part rotational sintered blue PE shape containing all functional parts

Auto Control System

This system controls pH and ORP with very simple operation. Program switch with 8 operation and service programs.

Proportional dosing for both Chlorine and Acid. Operational functions are indicated by LED's.

Measuring of pH-value and ORP

The probes for pH and ORP are fitted within the flushing tank.

Suitable for Pools: 1,000 – 400,000 ltrs

Chlorine max output: 2.5 kg/h

Acid max output: 2.5 l/h

Hopper Size: 15 kg

Weight: approx. 25 kg

Dimensions: 95 x 40 x 40 cm (H x W x D)

Power: 230 VAC single phase, 0.2 kW

Supply Pressure: 0.6-1.5 bar

Counter Pressure: 0-1.2 bar dependent on supply pressure
water flow with booster pump approx. 600 l/h at 1 bar

Code: GR18416

Granudos 10-S4

Swimming pool disinfection system using IQ Granu-Chlor 700 granulated Calcium Hypochlorite and IQ Granu-cid acid controlled manually or by any external control system with an on/off output.

IQ Granu-Chlor 700 granulated Calcium Hypochlorite is dosed directly from the integrated hopper. IQ Granu-cid acid is dosed within the system from the container to correct the pH and to aid in cleaning. IQ Granu-Chlor 700 Calcium Hypochlorite and IQ Granu-cid are dosed separately at intervals to the dissolving system from where the very low concentrated chlorine solution is conveyed by a venturi nozzle to the pool water. Unit is self cleaning.



Housing

Solid one part rotational sintered blue PE shape containing all functional parts

Suitable for Pools: 1,000 – 400,000 ltrs

Hopper Size: 15 kg

Chlorine max output: 2 kg/h

Acid max output: 1 l/h

Dimensions: 80 x 60 x 50 cm (H x W x D)

Weight: approx. 35 kg

Power: 230 VAC single phase, 0.3 kW

Supply Pressure: 0.2-1.5 bar

Counter Pressure: 0-1.5 bar dependent on supply pressure
water flow with booster pump: approx. 800 l/h at 1.2 bar

Code: GCSH8115

Full details and specifications available at our web site.

Granudos 45-S4 & 100-S4

IQ Granu-Chlor 700 granulated Calcium Hypochlorite is dosed directly from the integrated hopper. IQ Granu-cid acid is dosed within the system from the container to correct the pH and to aid in cleaning. IQ Granu-Chlor 700 Calcium Hypochlorite and IQ Granu-cid are dosed separately at intervals to the dissolving system from where the very low concentrated chlorine solution is conveyed by a venturi nozzle to the pool water. Unit is self cleaning.

Drum Support

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

45-S4

Suitable for Pools: 400,000 - 750,000 ltrs

Chlorine max output: 4 kg/h

Acid max output: 2 l/h

Code: GCSH8045

100-S4

Suitable for Pools: 500,000 - 4,000,000 ltrs

Chlorine max output: 8 kg/h

Acid max output: 3.5 l/h

Code: GCSH8100

Dimensions: 130 x 60 x 70 cm (H x W x D)

Weight: approx. 50 kgs

Power: 230 VAC single phase, 0.3 kW

Supply Pressure: 0.2-1.5 bar

Counter Pressure: 0-1.5 bar dependent on supply pressure water flow with booster pump approx. 1000 l/h at 1.2 bar



Full details and specifications available at our web site.

Chemical Storage

BL Series Storage Tanks

The BL series chemical storage tanks are constructed using one piece moulded polyethylene, features a domed top with moulded tie down lugs and moulded flats for drainage outlets. Ideal for indoor or outdoor usage with an all weather design. Style 4 has an elongated flat top area fitted with an access hole and cover. Standard colour is Natural (translucent white) Black is also available.

- BL1000 Code: PTANKS003
- BL1500 Code: PTANKS001
- BL2000 Code: PTANKS004
- BL2500 Code: PTANKS005
- BL3000 Code: PTANKS050



CS Series Storage Tanks

The CS series chemical storage tank is an economical design with a lift off flat lid allowing easy access. Standard colour is Natural (translucent white) Black is also available.

- CS200 Code: PTANKB010
- CS500 Code: PTANKS015
- CS750 Code: PTANKS020
- CS1100 Code: PTANKS002



CR Series Storage Drums

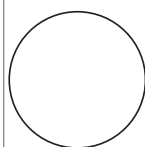
Dome top moulded featuring a heavy duty screw top 150 mm^ø lid. 25 litre moulded increments on the side of the drum makes gauging how much is in the drum easy. Natural (translucent white).

- CR100DOM Code: PTANKS010
- CR220DOM Code: PTANKS012
- CR330DOM Code: PTANKS013

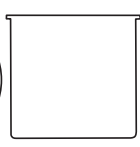


Tank & Drum Size Guide

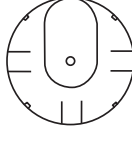
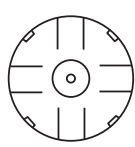
	Volume (litres)	Height (mm)	Base ^ø (mm)	Top ^ø (mm)	Style
Chemical Drum	60	615	410	410	
CR100DOM	100	895	440	495	
CR220DOM	220	1020	590	650	
CR330DOM	330	1360	615	670	
CS200	200	760	590	685	1
CS500	500	910	848	960	1
CS750	750	965	990	1090	1
BL1000	1000	1510	1000	1000	2
CS1100	1100	1380	990	1100	1
BL1500	1800	1487	1360	1360	4
BL2000	2400	1890	1360	1360	4
BL2500	2500	1770	1500	1590	4
BL3000	3600	2060	1590	1590	4



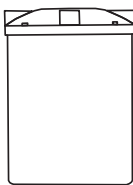
Style 1



Style 2



Style 4



Chemical Storage Drums

A small drum where space is at a premium. Features a large screw top lid and handles.

- 60 ltr Black Drum Code: PRCSPO50
- 60 ltr Blue Drum Code: PRCSPO51

