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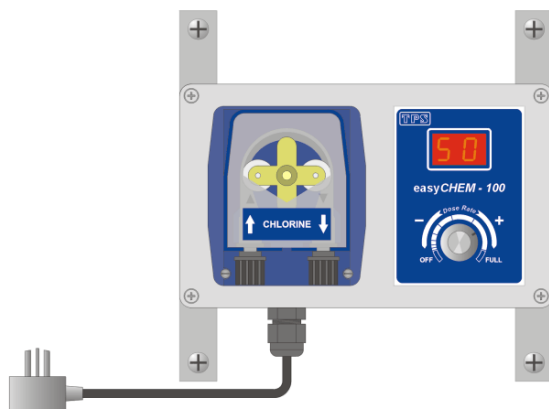
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easyCHEM 100

TPS Australia - Quality hand-made instruments since 1968.

Nothing's as cool, as a freshwater pool™

easyCHEM 100 Chemical Feeder for Pools and Spas



[Full Size Image](#)

[Illustration of Typical Full Installation](#)

The ideal alternative to salt water chlorinators for those people who prefer to swim in a fresh water pool.

- ◆ *Proportional feeder for Chlorine, Acid or other chemicals.*
- ◆ *Pump rate can be set from 1 to 99 to fine-tune dose rate. Set to "00" to switch off, and "On" to pump continuously.*
- ◆ *Highly reliable peristaltic pump.*
- ◆ *Piggy-back plug for pool pump, ensures feeder only operates when pool pump is on.*
- ◆ *Supplied with all accessories required for installation and operation.*
- ◆ *Fast and easy to install.*
- ◆ *Fully waterproof design.*
- ◆ *Easy to use.*
- ◆ *Designed for domestic and small commercial pool installations.*
- ◆ *To see how quick and easy the easyCHEM 100 is to install, ask for a copy of the the installation guide.*

Features

Simple to Operate

Single dial to set dose rate

Benefits

Nothing could be simpler. Just set the unit to dose Chlorine or Acid at a pre-set rate to maintain the level in the pool.

Check your pool regularly with a test kit, and adjust the dose-rate

Alternative to Salt Chlorinator

accordingly.

The easyCHEM 100 is an excellent alternative to salt chlorinators. It adds the same amount of Chlorine every day, depending on the number of hours for which the pool pump operates.

Unlike salt chlorinators, the easyCHEM has much more capacity to add more Chlorine during sustained hot weather or with higher bather loads. Your family's health is our priority.

The easyCHEM 100 is virtually maintenance free. There are no expensive electrodes to clean or replace.

And of course, there's no salt ! So your pool will be as fresh as a mountain lake.

Inbuilt Peristaltic Dosing Pump

Peristaltic pumps are far more reliable than solenoid valves. If a valve on the suction side of a pump leaks when it supposed to be closed, that whole drum of chemical will be dosed into the pool.

Peristaltic pump have positive displacement, so injection can occur in the return line, after the filter and any heating equipment.

The benefit of peristaltic pumps is therefore higher reliability and longer life for other pool equipment.

Easy-to-install injection tee

The chemical injection assembly is made from a standard 50mm PVC Tee. Reduction bushes are supplied in the kit for 40mm pipe installations.

The installer saves time and money by fitting a standard plumbing tee piece. No special tools or drilling etc are required.

Fully waterproof enclosure.

The easyCHEM 100 enclosure is waterproof to IP65 (hose-proof).

Makes the easyCHEM 100 suitable for outdoor use without a separate shelter.

Reliability is dramatically improved by

the use of a completely waterproof enclosure. The superior design of the 24VDC pumps means the entire unit runs cooler than other brands which use 240V AC pumps.

LED display

The bright LED display as big 12.7mm digits.

Set the display from 1 to 99 to fine-tune the dose rate to your exact requirements.

Set the display to "00" to turn dosing off.

Set the display the "On" for continuous dosing, such as super-chlorination.

Specifications

Pump Flow Rate

The easyCHEM 100 has three dose rate settings (normally pre-set in the factory). There is a choice of 2 sizes of pump squeeze tube, which changes the flow rate. There are also 2 motor speeds available.

These combinations are set up in the factory according to the customer's requirements prior to despatch. The dose rate setting and tube size can easily be changed in the field.

| Setting/Tube Size | mL/Hr | mL/Day* |
|------------------------------|----------|-----------|
| Standard 40rpm Motor | | |
| Low, small tube | 0 - 150 | 0 - 1200 |
| Medium, small tube | 0 - 300 | 0 - 2400 |
| High, small tube | 0 - 600 | 0 - 4800 |
| Low, large tube | 0 - 500 | 0 - 4000 |
| Medium, large tube | 0 - 1000 | 0 - 8000 |
| High, large tube | 0 - 2000 | 0 - 16000 |
| Optional 120rpm Motor | | |
| Low, large tube | 0 - 1500 | 0 - 12000 |
| Medium, large tube | 0 - 3000 | 0 - 24000 |
| High, large tube | 0 - 6000 | 0 - 48000 |

*Calculated for 8 hours per day pool pump operation.

Highlighted row is setting for standard Chlorine unit.

(Note that flow rates are approximate and will vary slightly from unit to unit.)

Enclosure

Tough ABS enclosure, fully waterproof to IP65.

Display

2 x 12.7mm high digits

Dimensions

200 x 120 x 75 mm

Mass

Instrument only : Approx 500 g

Full Kit : Approx 1.5 kg

Environment

Temperature : 0 to 45 °C

Humidity : 0 to 95% R.H.

Peristaltic Pump

◆ Built-in Peristaltic Pump.

◆ Chemical resistant Santoprene pump tubing

Power

220/240V AC, 5 watts max for controller.

Can be factory-set for 110/120 V AC

Ordering Information

| | Part No | | Part No |
|------------------------------|---------|------------------------------|---------|
| easyCHEM 100 for Chlorine... | 117101 | Spares | |
| easyCHEM 100 for Acid..... | 117102 | Small Pump Tube assembly.... | 116353 |
| | | Large Pump Tube assembly.... | 116352 |
| | | Pump Tube Lubricant, 3mL.... | 130103 |

Kit Includes

| | |
|----------------------------|----------|
| Injection Tee..... | 117901 |
| 50 to 40mm Bushes x 2..... | NPBR5040 |
| Pump Suction Tube, 2m..... | 116358 |
| Pump Output Tube, 2m..... | 116360 |
| Drum Lid tube fitting..... | 116362 |
| Tube weight for drum..... | 116354 |
| easyCHEM 100 Handbook..... | 130050 |

No other items are required to install and operate the easyCHEM 100.



[Download this Specification Sheet in PDF format.](#)

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Version 1.0

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Aqua-TDS-pH

easyCHEM 100

easyCHEM 400

easyCHEM 110

easyCHEM 220

easyCHEM 330

easyCHEM 550

easyCHEM 660

easyCHEM 770

poolCHEM

poolCHEM-1

poolCHEM-2

Send mail to tps@tps.com.au with questions or comments about this web site.

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