

PCSC1-HC1 Chlorine Dosing System

With Free Chlorine Analyser & Dosing Pump

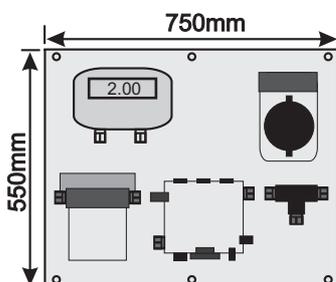


DOSING SYSTEMS

The AQUA Chlorine Dosing System is a fully engineered measurement and dosing control package for the chlorination of water in the range of 0 to 10ppm. The system uses the proven amperometric principle for measurement of free chlorine.

The AW-96 controller and the A-CG3 cell with integral flow regulator and sensor combine to provide a safe dosing system that is easy to operate and maintain.

- ◆ Amperometric cell with integral flow control.
- ◆ Option for pH Measurement and Control.
- ◆ Option for auto de-gassing pump head.
- ◆ Dosing rates from 0.1 l/hr to 6 l/hr.
- ◆ Pressures: 2 Bar (std), up to 10 Bar (Option).
- ◆ IP-65 Protection.
- ◆ Dosing interlock on loss of water flow.
- ◆ Includes pump accessories and mounting kit.
- ◆ Self Cleaning Cell with glass balls
- ◆ Simple automated calibration routine.
- ◆ Integral flow regulation.
- ◆ Isolated 4-20mA output for recording.
- ◆ PP pump head with option for PVC.

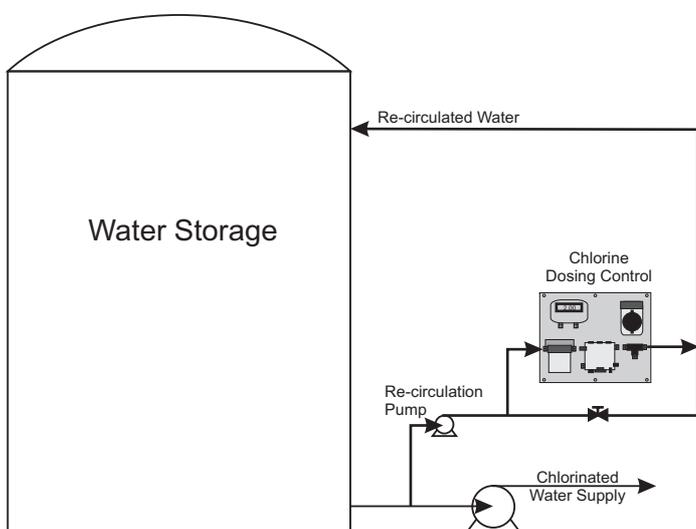


Specifications:

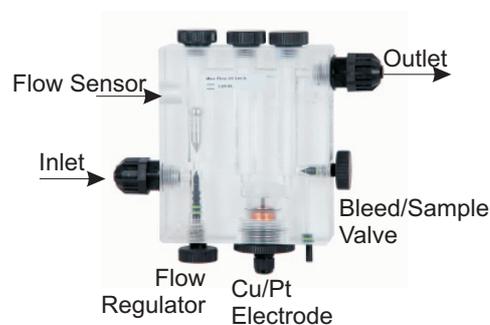
Measurement:	Amperometric (A-CG3)
Electrodes:	Platinum/Copper.
Range:	0-10 ppm
Display:	4 Digit LCD
Outputs:	2x 4-20mA
	3x Relay (5A, 250 Vac)
Power Supply:	240 Vac, 50 Hz
Dose Rate:	refer to pump data
Filter:	80 Micron.
Water Flow Rate:	40-50 l/hr
Connections:	1/2" BSP-F & 10x14 Tube
Control Method:	Proportional or On/Off.
Temperature:	5-60°C
Pressure:	5 Bar max

Dose Rates:

HC-100 Series: up to 6 l/hr of liquid chlorine.
 HC-300 Series: up to 30 l/hr of liquid chlorine.



Typical Installation



A-CG3
Amperometric Cell

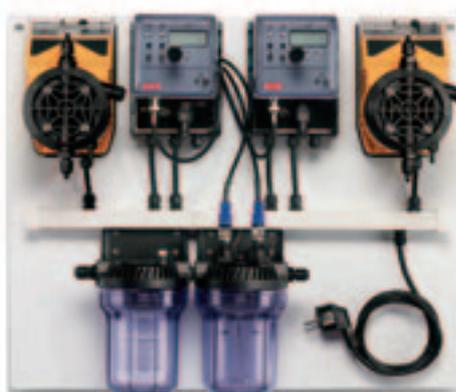


A-POOL FRIEND

A-POOL FRIEND

Complete panel, ON-OFF regulation of pH/Rx comprised of:
 1 Peristaltic with pH meter PER3-PH 1,8-01 / 2,4-01
 1 Peristaltic with Rx meter PER3-RX 1,8-01 / 2,4-01
 1 Water filter; Off-line electrodes holder; pH and Rx electrodes
 Buffer solutions. Panel dimensions AxBxC. Standard power supply 230VAC

COD	MOD	DIMENSIONS (mm) a x b x c
ADPF001	A-POOL FRIEND	500x600x155



A-POOL EASY

A-POOL EASY

Complete panel, ON-OFF regulation of pH/Rx comprised of:
 2 dosing pumps HC100 04-05
 1 pH meter AE-PH; 1 Rx meter AE-RX
 1 Water filter; Off-line electrodes holder; pH and Rx electrodes
 Buffer solutions. Panel dimensions AxBxC
 Standard power supply 230VAC

COD	MOD	DIMENSIONS (mm) a x b x c
ADPE001	A-POOL EASY	800x600x155



A-POOL TECH

A-POOL TECH

Complete panel, ON-OFF regulation of pH/Rx comprised of:
 1 acid dosing pump/pH meter HC300 PH-P 05-09
 1 chlorine dosing pump/Rx meter HC300 RX-P 15-05
 1 Water filter; Off-line electrodes holder; pH and Rx electrodes
 Buffer solutions. Panel dimensions AxBxC
 Standard power supply 230VAC

COD	MOD	DIMENSIONS (mm) a x b x c
ADPT001	A-POOL TECH	500x600x155

**A-POOL TECH PRO**

Complete panel, proportional regulation of pH/free chlorine comprised of:
 1 acid dosing pump/pH meter HC300 PH-P 05-09
 1 chlorine dosing pump/CL meter HC300 CL-P 15-05
 1 Water filter; Off-line electrodes holder; pH electrode and chlorine cell A.CG3
 Proximity switch. Buffer solutions. Panel dimensions AxBxC
 Standard power supply 230VAC

COD	MOD	DIMENSIONS (mm) a x b x c
ADPTP01	A-POOL TECH PRO	500x600x155



A-POOL PRO

A-POOL PRO

Complete panel, proportional regulation of pH/Rx and Temperature comprised of:

- 1 acid dosing pump HC300 C/L 05-09
- 1 chlorine dosing pump HC300 C/L 15-05
- 1 pH meter AW-96 PH; 1 Rx meter AW-96 RX
- 1 Water filter; Off-line electrodes holder; pH and Rx electrodes
- Buffer solutions. Panel dimensions AxBxC
- Standard power supply 230VAC

COD	MOD	DIMENSIONS (mm) a x b x c
ADPP01	A-POOL PRO	600x1000x155



A-POOL TOP PRO

A-POOL TOP PRO

Complete panel, proportional regulation of pH/free chlorine comprised of:

- 1 acid dosing pump HC300 C/L 05-09
- 1 chlorine dosing pump HC300 C/L 15-05
- 1 pH meter AW-96 PH; 1 Free chlorine AW-96 CL
- 1 Water filter; Off-line electrodes holder; pH electrode and chlorine cell A.CG3
- Proximity switch; Temperature sensor; Buffer solutions
- Panel dimensions AxBxC. Standard power supply 230VAC

COD	MOD	DIMENSIONS (mm) a x b x c
ADTP02	A-POOL TOP PRO	600x1000x155



A-POOL TOP PRO1

A-POOL TOP PRO1

Complete panel for proportional regulation of

- PH, Free Chlorine, Redox, temperature chlorine comprised of:
- 1 acid dosing pump HC300 C/L 05-09; 1 chlorine dosing pump HC300 C/L 15-05
- 1 multifunctions controller A-MULTI PHRXCLT
- 1 Water filter; Off-line electrodes holder;
- pH electrode, Rx electrode and chlorine cell A.CG3
- Proximity switch; Temperature sensor STE2; Buffer solutions
- Panel dimensions AxBxC. Standard power supply 230VAC

COD	MOD	DIMENSIONS (mm) a x b x c
ADTP03	A-POOL TOP PRO1	600x1000x165

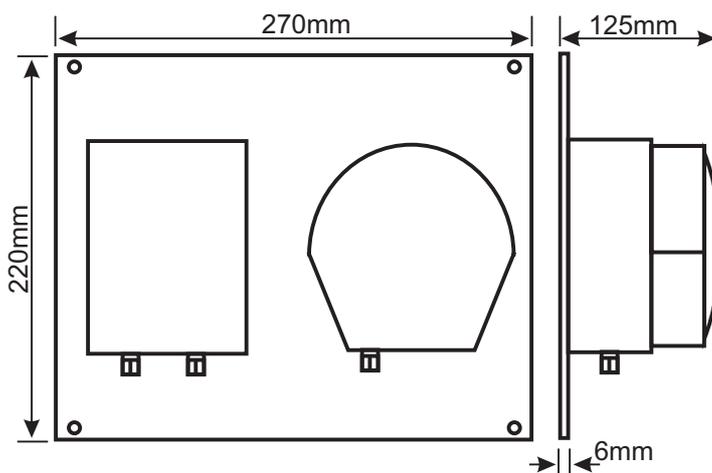
PCSTR1-7D1P Dosing System

With 7 Day Programmable Timer



DOSING SYSTEMS

- ◆ With peristaltic pumps and solenoid pumps.
- ◆ Flow rates from 0.1 l/hr to 6 l/hr.
- ◆ Pressures up to 10 Bar.
- ◆ IP-65 Protection.
- ◆ Clear or opaque (grey) cover.
- ◆ Includes pump accessories and mounting kit.
- ◆ Built-in quartz controlled timer
- ◆ User-friendly keyboard
- ◆ Large and easily readable LCD display
- ◆ Time display 24 h or AM/PM
- ◆ 16 memory slots (8x ON, 8x OFF) allocatable over the week
- ◆ Integral lithium battery protects programme for 5 years
- ◆ Minimum switching interval 1 min
- ◆ Separate mode selector switch for ON/AUTOMATIC/OFF and TIME SET/OPERATION/PROGRAMMING
- ◆ Reset function
- ◆ Skip function
- ◆ Block formation of weekdays possible

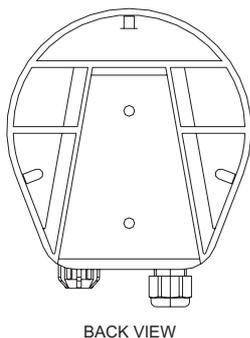
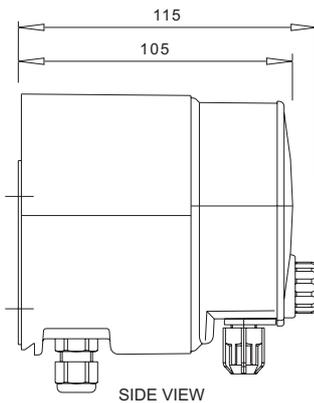
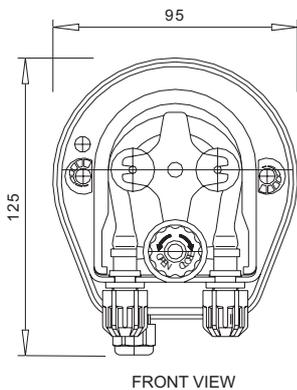


<i>Pump Model</i>	<i>Flow/Pressure</i>	<i>Control</i>	<i>Type</i>
PER-RS 01.03	1 l/hr/3 Bar	Fixed Speed	Peristaltic
PER-RS 1,5.01	1.5 l/hr/1 Bar	Fixed Speed	Peristaltic
PER-RS 03.01	3 l/hr/1 Bar	Fixed Speed	Peristaltic
PER-R 01.03	1 l/hr/3 Bar	0-100%	Peristaltic
PER-R 04.01	4 l/hr/1 Bar	0-100%	Peristaltic
PER-R 06.01	6 l/hr/1 Bar	0-100%	Peristaltic
HC-100 01-08	1 l/hr/8 Bar	0-100%	Solenoid
HC-100 02-10	2 l/hr/10 Bar	0-100%	Solenoid
HC-100 04-08	4 l/hr/8 Bar	0-100%	Solenoid
HC-100 05-07	5 l/hr/7 Bar	0-100%	Solenoid
HC-100 06-02	6 l/hr/2 Bar	0-100%	Solenoid

PER Series Peristaltic Pumps



DOSING SYSTEMS



AQUA PER Series Peristaltic Pump is a reliable low cost solution, for light duty, chemical dosing applications.

Its compact size, and simple installation procedure (complete with wall mounting bracket) makes a versatile pump for installation which is also good in confined spaces. With IP65 rating, the AQUA PER Series Peristaltic Pump can be installed in outdoor applications.

The AQUA PER Series Peristaltic Pump is available in fixed speed and (0/100%) adjustable speed versions.

Utilizing an innovative front cover design there are a number of advantages from the standard peristaltic pumps currently available on the market:

- ◆ Front cover is locked in position with hand knob.
- ◆ When front cover is removed squeeze tube can be easily removed by hand. Due to the design of the front cover, the removal of the squeeze tube will not require the rotor to be rotated, (placing no stress on gearbox axle).
- ◆ Greater structural strength add durability as the rotor drive shaft is supported both above and below the rotor.

The AQUA PER Series Peristaltic Pumps come complete with water treatment installation kit consisting of:

- ◆ PP injection nozzle with Viton non-return sleeve valve (3/8" BSP).
- ◆ PP weighted foot filter with Viton Lip Valve.
- ◆ Sturdy wall mounting bracket with screws & plug.
- ◆ 2m of 4/6mm PVC suction tubing.
- ◆ 2m of 4/6mm PE rigid discharge tubing.

General Specification

Power Supply: 230VAC 50Hz (12 & 24VDC available)

Dimension: 125(h)x95(w)x115(d)

Connectors: Polypropylene

Cover: Polycarbonate

Housing: Polypropylene

Enclosure: IP65

Squeeze Tube: Santoprene or Tygon

MODEL	FLOW (l/hr)	PRES. (bar)	Control	Tube Material	Power Supply
PER-RS 01.03	1	3	Fixed	Tygon	240VAC
PER-RS 1,5.01	1.5	1	Fixed	Santoprene	240VAC
PER-RS 03.01	3	1	Fixed	Santoprene	240VAC
PER-R 01.03	1	3	0-100%	Tygon	240VAC
PER-R 04.01	4	1	0-100%	Santoprene	240VAC
PER-R 06.01	5	1	0-100%	Santoprene	240VAC
PER-RSdc 04.01	4	1	Fixed	Santoprene	24VDC
PER-RSdc 06.01	6	1	Fixed	Santoprene	24VDC

Process Control Services Pty Ltd, ABN 22 054 111 018

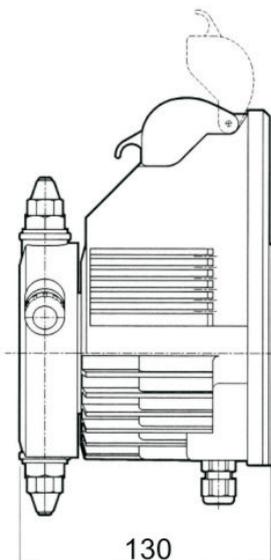
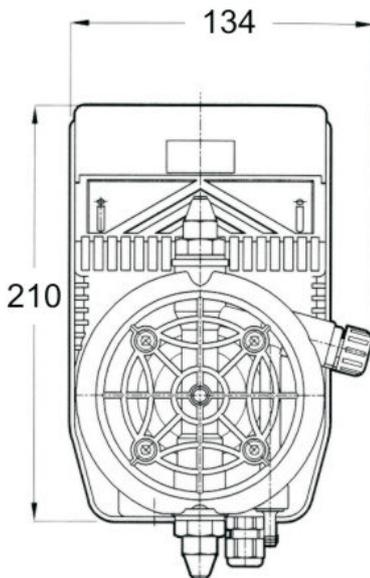
Ph (02) 9319 1808, Fx (02) 9319 2786

eMail sales@pcspl.com.au, Web www.pcspl.com.au

HC100 Series Solenoid Pumps



DOSING SYSTEMS



AQUA HC100 Series Solenoid Pump is a reliable low cost solution for continuous chemical dosing applications.

Its compact size, and simple installation procedure (complete with wall mounting bracket) makes a versatile pump for installation which is also good in confined spaces. With IP65 rating, the AQUA HC100 Series Solenoid Pump can be installed in outdoor applications.

The AQUA HC100 flow rate is adjustable via a stroke frequency knob. The pump will accurately dose according to the selected frequency. A selector switch will change the adjustment range from 0-100% to 0-20% to provide a double scale adjustment for good adjustment over a wide range of flow rates.

The HC100 is supplied with a complete accessory kit and lots of features :

- ◆ Reinforced PP Housing.
- ◆ 2 LED Display Status.
- ◆ On/Off power switch.
- ◆ Analogue controls.
- ◆ Dual scale pulse reduction: 0-100% and 0-20%.
- ◆ Air bleed for easy priming.

The AQUA HC100 Series Solenoid Pumps come complete with installation kit consisting of:

- ◆ PP injection nozzle with Viton non-return sleeve valve (3/8" BSP).
- ◆ PP weighted foot filter with Viton Lip Valve.
- ◆ Sturdy wall mounting bracket with screws & plug.
- ◆ 2m of 4/6mm PVC suction tubing.
- ◆ 2m of 4/6mm PE rigid discharge tubing.

General Specification

Power Supply: 230VAC 50Hz (12 & 24VDC available)
 Dimension: 125(h)x95(w)x115(d)
 Connectors: Polypropylene
 Cover: Polycarbonate
 Housing: Polypropylene
 Enclosure: IP65
 Squeeze Tube: PTFE (solid)

MODEL	FLOW (l/hr)	PRES. (bar)	Control	Power Supply
HC100 01.08	1	8	0-20/100%	240VAC
HC100 02.10	2	10	0-20/100%	240VAC
HC100 04.08	4	8	0-20/100%	240VAC
HC100 05.07	5	7	0-20/100%	240VAC
HC100 06.02	7	2	0-20/100%	240VAC

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eMail sales@pcspl.com.au, Web www.pcspl.com.au