

CHLORINATION SYSTEMS

Free Chlorine Residual Disinfection



Chlorination is the most widely used method of disinfection. Besides disinfection, chlorine oxidizes iron, manganese, hydrogen sulfide and organics in the water giving a highly cost-effective and efficient water treatment solution. Rainfresh chlorination systems incorporate Stenner® high quality peristaltic metering pumps to provide accurate and consistent metering.

The basic Rainfresh chlorination system includes the injection pump, chlorine holding tank, tubing and the injection port.



Pump Features

- Varied pump sizes to suit different flow rates and chlorine residual requirements.
- 3-point roller design assists in anti-siphon protection
- Pump head requires no valves, allows for easy maintenance
- Self-priming against maximum working pressure, foot valve not required
- Pump does not lose prime or vapor lock
- Output volume is not affected by back pressure
- Minimum operator attention

Pump Models (adjustable)

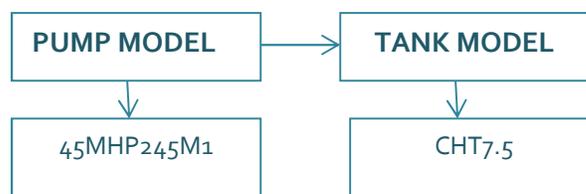
Pump Model	Gallons per hour	Litres per hour
45MHP245M1	0.01 – 0.13	0.03 - 0.48
45MHP1045M2	0.02 – 0.42	0.08 – 1.58
45MHP2245M3	0.05 – 0.92	0.18 – 3.47
85MHP585M1	0.01 – 0.21	0.05 – 0.79
85MHP1785M2	0.03 0.71	0.13 – 2.68
85MHP4085M3	0.08 – 1.67	0.32 – 6.31



Storage Tank Models

Model	Capacity	Material of construction		Dimensions
		Tank	Lid	Dia x H
CHT7.5	7.5 Gal (28.4 L)	Polyethylene	Polypropylene	20.5" x 19 5/8"
CHT15	15 Gal (56.8 L)			20.5" x 25 1/4"
CHT30	30 Gal (113.6 L)			20.5" x 37 1/2"

MODEL SELECTION : All models include tubing, rain roof, lid, check valve and injection port



System model : 45MHP245M1 CHT7.5

Proportional Dosing

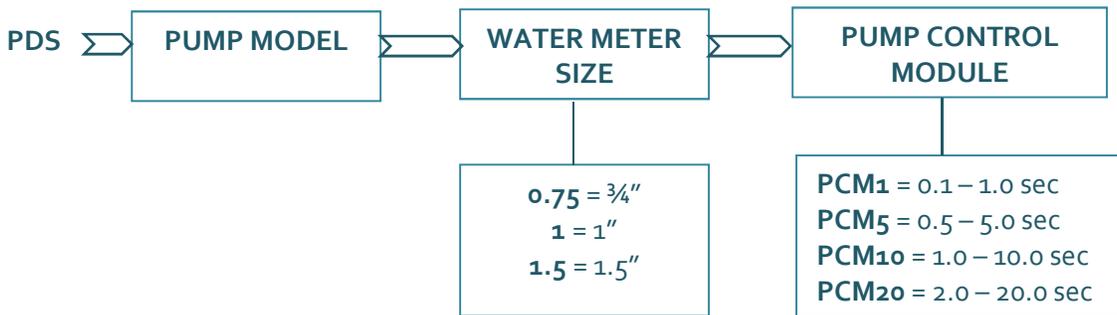
For proportional chlorine dosing, Rainfresh offers a packaged chlorination system that includes a pulse water meter, strainer and pump control module. The meter sends a signal to the pump to inject chlorine after a pre-set amount of water has passed through. This maintains consistent chlorine dosage as the pump runs only when water is being used.

The water meter can be set to inject (pulse) 1, 2, 4 or 10 times per gallon of water flow to achieve the required chlorine dose

Storage tanks are sold separately



Proportional Dosing Models



Applications

- Water treatment
- Industrial process water
- Wastewater treatment
- Cooling towers
- Swimming pools



THE PUMP AND TANK IS TESTED AND CERTIFIED BY WQA ACCORDING TO NAF/ANSI 61 FOR CONTACT WITH SODIUM HYPOCHLORITE AND WATER ONLY; AND TO NSF/ANSI 372

