



GT1-100 Commercial Window Cleaning & Car Detailing Spot Free Rinse Water Filter System

WARNING:

For correct operation of this system, it is essential to observe the manufacturer's instructions.

This System must be installed in a vertical position on a solid base or mounted vertically on a solid surface.

WaterMark:

The Water Filtration Housings used on this system are compliant to WaterMark Standards AS/NZS 3497 under certificate number 23247. WaterMark is the standard that is required by law for a qualified plumber in Australia to install any item on municipal town water.

Installation:

This system is designed for inline use and is not designed to be under constant pressure. Due to this, a Qualified Plumber is not required unless the system is to be installed under pressure as a POU Water Filter System. Failure to follow the manufacturer's instructions and guidelines may void warranty and insurance.

Carbon/Resin Multi-Media Filter:

This system is compatible with standard size cartridges referred to as 10" x 4.5" (pre-filter) and 20" x 4.5" (stage 2-3).

Before use, the pre-filter will require flushing to clear any carbon dust that may be in the cartridge. To do this, connect the system & remove the stage 2 and 3 DI filters. Run the water for a couple of minutes or until the water runs clear. Replace the DI filters into the housings then flush for a further 1 minute.

Working Specifications:

Max Pressure	125 psi
Working Pressure	70psi (500 kPa)
Max Flow	20L/Min
Rinse Flow	7L/Min
Temperature	1°C – 50°C

Inlet Water Quality:

Hardness	<50 mg/L
TDS	<200 mg/L
Iron	<0.02 mg/L

Installation / Set Up

Finding an Installation Point

The filter system has a 1" BSP inlet size which will easily suit installation onto 1" poly pipes. This system is able to be reduced to 3/4" and used with a standard size garden hose fitting (GT19-125).

The inline Flow Meter has a 3/4" BSP male thread that you can adapt to. There is a hose fitting supplied with a 3/4" Female to Hose connector (GT19-155)

NOTE: Do NOT use thread sealant on any components. Use thread tape only. Sealants can cause the housing ports to crack when they harden.

Installing Pressure Gauges & Plugs

Kit Contains: Opening Spanner, Pressure Gauges (If applicable), Gauge Port Bungs, Spare O-Ring

Install with Gauge Plugs: The housings are supplied with a thin o-ring in a zip-lock bag. Install this o-ring into the gauge port then screw in the gauge plugs firmly without thread tape.

Install with Pressure Gauges: When installing pressure gauges, use the thin o-ring supplied in the zip-lock bag, the O-ring is to go in the port at the bottom – NOT around the thread of the gauge. Firmly hand tighten the gauge without the use of thread tape – **Do not overtighten the gauge.**

NOTE: If there is no reading on the pressure gauge, it is likely that the flat washer was not removed, or the gauge is too tight – causing the washer to obstruct the hole on the gauge.

If the o-rings do not provide an adequate seal, you are permitted to remove them and use 6 to 8 wraps of **white** plumber's tape. Excess thread tape or thread glue/sealant will cause the port to split.

Installing Filter Cartridges

Filter housings should always be installed in an upright position to ensure that the filter cartridge remains centred in the housing during tightening. Always handle the carbon filter by the end caps, avoid touching the mesh surface of the carbon filter to avoid contamination.

Refillable DI canister filters should be installed the same, paying attention to the 'This Way Up' Markings on the housing. The O-Ring Seal is the 'Top' of the filter cartridge.

Housings should be tightened by hand to ensure that the cartridges are centre. Use the supplied opening wrench to tighten the housings firmly. Do not over tighten housings.

Installing & Operating Inline Flow Meter

Slide off the cover case of the battery room and put into 2 AA batteries. Then slide the cover case back.

The DigiFlow 6710M-66 will automatically turn on when there is water flowing through the sensor. It will automatically turn off in 10 seconds when there is no water flowing. Press the "DISPLAY" button will turn on the LCD of the DigiFlow 6710M-66. Pressing the "DISPLAY" button again could choose to display accumulated flowing volume (flow totalization) or real-time flow rate.

Use stick to keep pressing the "RESET" button for 4 seconds, the total measuring volume will be reset to be zero. When the battery power lower than normal working level, the buzzer will beep twice to notice and the battery symbol on the screen will blink to notice user to change the battery. Once the batteries are replaced, the alert will be released. The data will be kept in memory and stored back when user replace the batteries.

Ongoing Maintenance

Pre-Filter:

The CTO 4510-05 Coconut carbon filter has a life span of 45,000L (@ 7.5L/Min) or 12 Months
Part Number: GT4-13P

DI Resin:

The Mixed bed resin has a varied lifespan which will be directly affected by the water quality and usage of the system. The Stage 2 DI filter will likely be the first filter to expire as it is the first stage filter.

It is important to monitor the TDS of the filters ongoing to determine when replacement is required.

Part Number: GT5-12S

Sold Per 5Kg Bag or 18.75Kg Bag (25L)