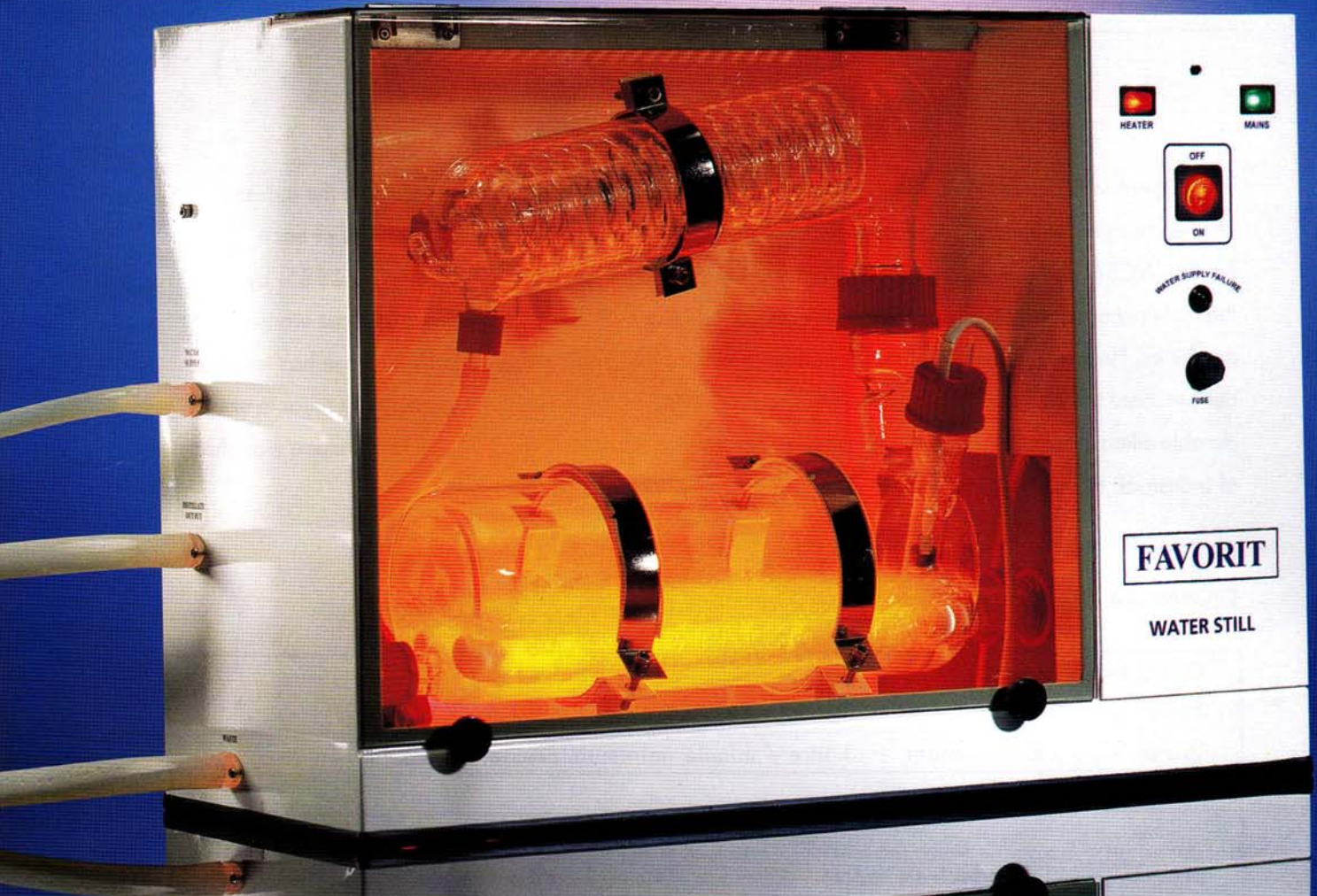


FAVORIT WATER STILL

WCS4L - with Silica Heater
WCM4L - with Metal Heater



FEATURES

- Robustly built epoxy-coated steel cabinet as protective housing adds a touch of elegance to the exquisite water still.
- Excellent quality glassware made from DURAN borosilicate glass, Germany.
 - ▶ Horizontal thick-walled, heat resistant DURAN glass boiler fitted with two 1.5 kw silica heaters or one 3 kw chromium plated metal heater.
 - ▶ High efficiency DURAN coil condenser ensures low temperature, high output quality distillate.
- Screwthread connectors enable easy fitting or removal of hoses safely and for leak free operation.
- Built-in constant level device with Schott Vendura-Nova valve for drainage provides efficient boiler operation, over flow protection and easy descaling without dismantling.
- Visual flow control valve for setting water supply input for maximum operation efficiency.
- Safety circuits cut off electrical power to heaters and trigger audible and visual alarms in the event of water supply failure or high boiler temperature.
 - ▶ Float switch activates safety circuits in the event of water supply failure. Automatically resets when water supply is restored.
 - ▶ Temperature-sensitive thermal switch as back-up protection which activates safety circuits in the event of abnormally high boiler temperature. Automatically resets when boiler temperature returns to normal.
- High quality electrical components from reputable manufacturers meeting international specifications and standards.
- Suitable for bench or wall mounting.

SPECIFICATIONS

Distillate Output : 4 litres per hour single distillation.

Power Supply Requirement : 220 - 240 V, 50/60 Hz single phase.

FAVORIT WATER STILL

WCS4L • WCM4L

The cabinet-typed Favorit WCS4L / WCM4L water distillers are made by the pioneer in the industry of interchangeable laboratory glassware fabrication in Malaysia. The glass components of each Favorit WCS4L / WCM4L are crafted from Duran borosilicate glass type 3.3 (DIN ISO 3585) by the most accomplished glass blowers in Malaysia, utilising technologically advanced glass working machines. Hence, we are proud to say that each Favorit WCS4L / WCM4L you purchase has received our personal touch. Moreover, Favorit WCS4L / WCM4L incorporates the exceptionally reliable and durable silica / metal immersion heaters from our English associate who are specialists in the manufacture of industrial electric heaters with an illustrious history of over 70 years.

TECHNICAL DATA

Distillate Output	: 4 litres / hour, single distilled.
Power Requirement	: 220/240 V, 50/60 Hz single phase, 3Kw.
Water Supply Requirement	: 1 litre / minute (minimum pressure 3 p.s.i.).

Quality of Distillate			
pH	Conductivity s/cm	Temperature	Pyrogen Content
5.0 to 6.5 ²	1.2 to 2.0 (WCS4L) ; 3.0 to 4.0 (WCM4L)	25 to 35 °C	Pyrogen free ¹
Note: 1. Great care must be exercised to obtain Pyrogen-free water. We advise testing the distillate output before use. 2. A pH of 5.0 to 6.5 for distillate is a normal level which is extremely acceptable in most laboratory works. This slightly acidic pH of the distillate is the result of carbon dioxide being dissolved by distillate, as the steam liquefies in the condenser of water still, to form a very dilute solution of carbonic acid. The distillate is able to readily dissolve carbon dioxide from air because distillate, being pure water, is an excellent solvent. Although with a pH of 5.0 to 6.5, the purity of distillate is, in essence, still intact as a carbonic acid of pH 5.0 translates into less than one part per million of dissolved carbon dioxide in water. The dissolved carbon dioxide can be removed if so needed by boiling but the water must be protected from the air as otherwise the carbon dioxide will quickly redissolve. The occurrence of slightly acidic pH is not unique to pure water obtained from distillation; but rather it is common to pure water obtained from other purification methods such as reverse osmosis.			

Dimension	: 550 x 225 x 395 mm
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