



Aquatherm Heat Exchanger

Aquatherm can be used with any of the distillation units. The hot water coming out of the Condenser outlet is usually left to the Sink thereby wasting precious water. With the use of AQUATHERM, the hot water is cooled using the Cooling coils, Fan and pumped back to the Condenser inlet thereby saving water.

Advantages

Aquatherm can be table mounted and occupies less space. Power consumption is minimum.

15 litres of water is all it takes to run any Distillation Unit (Single or Double).

Vitsil Water Softener

The newly designed water softener works on Ion Exchange principle and is used along with Quartz or Glass distillers. The water softener prevents accumulation of sludge (i.e. deposits of Calcium and Magnesium salts) which renders hardness to water. The Tap water / Borewell water is fed at the inlet, and softened water is drawn at the outlet. The softened water is fed into the Boiler of the distillation unit. The unit can be recharged again with a saturated solution of Sodium Chloride. The unit delivers approximately 2000 ltrs. of soft water for one cycle of regeneration.

During regeneration 20 ltrs. of sodium chloride solution is passed through the water softener slowly for a period of 1 hr.

Hardness testing kits are available with us from ready stock.

We undertake to manufacture any quartz glass apparatus to your design and specification.

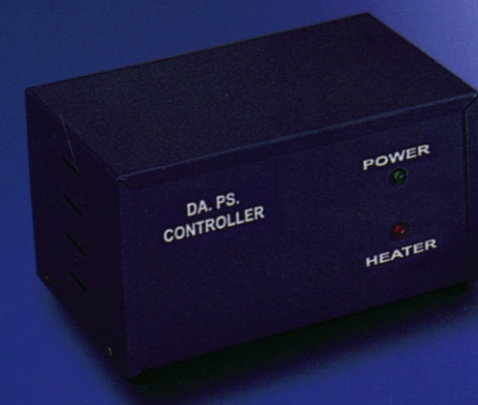
SRINIVASA PRODUCTS

Mftrs. Of 'VITSIL' QUARTZ MONO AND BI-DISTILLERS

45, SSI Area, 3rd Cross, Rajajinagar Bangalore - 560010 Phone: 91-80-23304126 / 23304364 Telefax: 91-80-23304364
Email: vitsil@rediffmail.com / srinivasaproducts@yahoo.co.in Website: www.srinivasaproducts.com



MONO QUARTZ DISTILLATION UNIT



Profile

Srinivasa Products Was established in the year 1955 with a view to provide high quality, state-of-the-art, Fused Quartz and Borosilicate Glass products. Fused Quartz products meet and exceed all industry standards for thermal, chemical, electrical and physical properties. We excel in all types of technical product assistance including product design, temperature ranges and purity level qualifications.

Today, we are identified as the country's leading manufacturers of Borosilicate / Quartz Single and Double Distillation plants. We have one of the best quartz blowing facility with imported Heathway and Litton lathes. The company offers complete range of products to various National laboratories, Research Centers, Educational Institutions, Public and Private Industries and other end users.

A supply of pyrogen free distilled water is a basic requisite for Research, Analytical and Industrial Laboratories. Distilled water from metallic units do not meet required standards. They are bulky and cumbersome.

VITSIL Mono Quartz Distillers being very compact and the construction material being high purity Quartz, it meets the standard of the analytical laboratory where purity of distilled water free from metallic ions and bacteria is criteria.

Description of Apparatus

The boiler is made of high purity quartz and the condenser is of Borosilicate / Quartz material. The built in heater provides for minimum loss of heat and production of distilled water in 2-3 minutes. The unit is mounted on a powder coated metal stand with Electrical connections and is easy to dismantle and assemble the unit. Fibre glass insulated wire and Silicone rubber boot resists high temperatures.

Advantages of Apparatus

- Distilled water output is immediate.
- Pyrogen free, free of heavy metals.
- Efficient Borosilicate / Quartz Coil Condenser.
- Can be easily converted to Bi-Distillation Apparatus.
- Powder coated stand for rust free operation.

Specifications

MODEL No.	VQMD 1.5L	VQMD 2.5L	VQMD 5L	VQMD 10L
Dist. Water Output cap. (Approx)	1.5 lt/hr.	2.5 lt/hr	5 lt/hr	10 lt/hr
Electrical requirements	230-250 volts single phase 1.2 kw	230-250 volts single phase 2.2 kw	230-250 volts single phase 4.4 kw	440 volts 3 phase 7.5 kw
Cooling water consumption	30 lt/hr.	50 lt/hr.	70 lt/hr.	130 lt/hr.
Biological Activity	Pyrogen Free	Pyrogen Free	Pyrogen Free	Pyrogen Free
pH	6 - 7	6 - 7	6 - 7	6 - 7
Conductivity S/cm	$< 3 \times 10^{-6}$	$< 3 \times 10^{-6}$	$< 3 \times 10^{-6}$	$< 3 \times 10^{-6}$

Note: Distilled water is free from metal ions and bacteria. Hence it is difficult to measure pH and conductivity values. Distilled water conductivity will be less than 2 micro siemens for units with Quartz condenser.

Spares

- Quartz Boiler.
- Borosilicate / Quartz Condenser
- Quartz Receiver 2 ltr Capacity with stopper and stopcock.
- Powder Coated Stand (inform the Model No. while ordering for Spares)

Accessories

- **Distillation Apparatus Power Supply (DAPS):** The unit provides for automatic working of distillation unit by switching off the heaters in case water level falls below heating coil there by safeguarding the heaters. The unit resumes distillation when water level is restored. The Sensor probe works on 12V and hence is very safe. The unit also comes with Buzzer.
- **Dual Cut Off:** Apart from the above Features, the dual cut off switches off the heater even when there is no cooling water supply to the condenser.

