

Laboratory Water Systems

Cyclon Brochure



Fistreem International produces a range of world-leading water purification products



About Fistreem

In October 2004, Fistreem International Limited was formed with the purchase of part of Sanyo Gallenkamp Plc and its related manufacturing businesses of Water Purification. Although young in organisational terms, the company has immense experience. The management team has many years of Fistreem product experience before divesting from Sanyo Gallenkamp.

Our principal activity is in the manufacture of Water Purification. Products of which the Cyclon Water Still is recognised as a world-leading brand. Our other water purification products include:

- Calypso and Cyclon brand Water Stills
- A range of Deionisers
- Pre-treatment under the Fistreem Puri-Fi brand

Fistreem products are distributed in many countries around the world. The team includes knowledgeable and skilled support experts dedicated to outstanding customer service and support. When you buy a water still from Fistreem, each instrument undergoes an extensive checklist before shipment and includes a 1-year warranty.



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Please refer to
www.fistreeminternational.com
for all ordering information.

Laboratory Grade Water Purification Systems

Fistreem offers a range of water distillers made to meet your water quality requirements and cover your application needs.

Our laboratory-grade water purification distillers are developed and built to guarantee purity. Each water still incorporates the 'Cyclonic' vapour trap, generating the highest quality pyrogen-free water.

The Pre-Treatment Kit and Hydros unit offers an economical supply of pre-treated (deionised) water to Calpyso and Cyclon water stills. In addition, the matching reservoir tank enables additional cost-effective water usage and efficient operation of these water purification systems.



The Importance of Water Purification

Water is one of the most utilised reagents in the laboratory, and it is critical to find the proper water for your application. Several different technologies can be used to produce pure water that is suitable for scientific applications. The Fistreem range of water stills uses the distillation process to remove impurities from water generating Type II water.



Type I Water Ultrapure

Used for highly-sensitive procedures like HPLC, AAS and Mammalian Cell Culture.



Type II Water Purified

Used for general lab use in things like media preparation or buffer creation.



Type III Water Primary Grade

Used for non-critical work like rinsing beakers, filling water baths or feeding autoclaves.

CYCLON

The Cyclon water distiller is an integrated water purification system, available in 4L and 8L single or 4L double distillers as a complete water purification system with matching pre-deionised and distillate reservoirs. In addition, the 'cyclonic' vapour trap eliminates all carry-over, and the advanced borosilicate glassware design removes the foaming risk, improving purity levels.

The double (Bi-)distiller is ideal for life science applications requiring a higher-grade distillate for increased purity. The Cyclon is comprised of two identical sets of glassware and heaters. The first distillation is fed to the second boiler for further distillation, thus eliminating any possible carry-over of impurities.

Safe for your Operator

Enclosed glassware and a built-in spill tray provide the operator protection. In addition, the thermistor protects the still against interruption in the water supply by controlling the heater operation. Finally, the thermal cut-out fuse prevents any risk of overheating.

Pre-Treated Feed Options

When combined with a microprocessor, the thermistor sensor precisely controls the still. This process simplifies operation and cleaning procedures.

Easy to Clean

Descaling the still is simplified by an automated cleaning facility requiring no dismantling of the glassware.

Flexible

This space-saving water distiller can be benchtop or wall mounted to suit your lab's needs.

Applications

The Cyclon distiller is ideally suited for the following:

- General Laboratory Applications
- Preparing Buffers and Reagents
- Media Production
- Sample Dilution and Reagent Preparation
- General Chemistry
- Glassware Rinsing and Washing
- General Environmental Analysis
- Cell Culture Preparation
- Clinical Biochemistry



Model	WSC004	WSC044	WSC008
Output Capacity	4L/hr Single Distilled	4L/hr Double Distilled	8L/hr Single Distilled
Pyrogen Free	Yes	Yes	Yes
pH Level	5.6 - 6.0	5.6 - 6.0	5.6 - 6.0
Conductivity	1µS/cm	1µS/cm	1µS/cm
Power Rating	3.0kW	6.0kW	6.0kW
Tap Water Pressure (min - max)	70 - 560kPa 10 - 80 lbf/in ⁻¹ (PSI)	70 - 560kPa 10 - 80 lbf/in ⁻¹ (PSI)	70 - 560kPa 10 - 80 lbf/in ⁻¹ (PSI)
Tap Water Flow (min)	1L/min	2L/min	2L/min
Dimensions (HxWxD) mm	750x300 x380	750x490 x380	750x490 x380
Weight	25kg	29kg	29kg



Fistreem Service Contracts

Our Service contracts (Bronze, Silver, and Gold) offer great value for money and flexibility to meet your specific needs to ensure that you find the contract that will work for you. Fistreem also offers a variety of value-added services for our water purification systems.

Installation and Commissioning

When you purchase new equipment for your laboratory the reliability and lifetime of your instruments depend on them being installed and commissioned correctly.

Service Pack

The service pack contains spare parts to ensure that your instrument continues operating smoothly throughout its life. This service pack is also available for overseas customers.

Our range of service contracts are built to fit your needs and ensure that your equipment is always performing to its best.

	Bronze Package	Silver Package	Gold Package
Length of Contract	1 YEAR	1 YEAR	1 YEAR
Onsite Visit	NO	NO	YES
Cost of Labour	YES	YES	YES
Spare Parts Covered	YES	YES	YES
Preventative Maintenance	NO	NO	YES
	Available for the Calypso system only		



Contact Us

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Contact us at support@fistreem.com
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