

Laboratory Water Systems

Cascade 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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www.fistreeminternational.com



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

Which applications can our products be used for?



Our Fistreem range focuses on Type II Water Applications, which are used in the following ways:

- Preparing Buffers
- Media Preparation
- pH Solutions
- Polymerase Chain Reaction (PCR)
- Ion Chromatography
- Spectrophotometry
- Electrophoresis
- General Chemistry
- Pre-treatment Feed
- Washing and Rinsing Glassware
- Feed to autoclaves, water baths and dishwashers

Whilst safe to drink, tap water contains numerous contaminants, and even trace impurity levels can affect various scientific applications, putting your scientific data at risk.

In a laboratory, water has multiple uses, from rinsing glassware to making biological media and buffers. We understand that you need the right water for your application; this means different purity, dilution and filtration levels.



Cascade

The Cascade is a simple-to-use type II deionisation water purification system that can easily be installed, operated, and maintained. Available in two sizes with two or four cartridges.

Feed Water Requirements

Types	Tap Water, RO, DI Distilled
Pressure Range	10 to 30 Psi
Temp Range	4°C to 38°C

Product Water

Water Quality	Type II ASTM (maximum 15MegΩ/cm)
Flow Rate	Type II Water, Up to 2L per min (inlet water pressure at 30 PSI)

Product Specifications

Dimensions (LxHxW) mm	Dual: 305 x 127 x 483 Quad: 508 x 127 x 483
Ordering Information	D00292

Flexible

Say goodbye to the inconvenience of placing your water system near a power source! With the Cascade™ system, you can install it wherever you like on the wall without worrying about proximity to a plug. You can easily connect it directly to a tap or a pre-treat source and experience the convenience and freedom that come with the Cascade™ water system.

Ease of use

Get ready to control your water flow and produce up to 2 litres/minute of high-quality ASTM Type II water with a resistivity of 15 meg Ω/cm! All thanks to the Cascade™ valve - making water control simple, easy and efficient!

Less Cleaning

If you want to improve your distillation system's performance, the Cascade™ is the perfect solution for you. By utilising the Cascade™ as a pre-treatment, you can significantly reduce the amount of scale build-up that occurs inside the boiling chamber. This results in less maintenance, smoother operation, and more time for you to concentrate on the things that matter.

Bespoke

Discover the perfect cartridge kit to meet your lab's specific requirements. Benefit from our innovative colour-changing resin, which helps you effortlessly monitor when to replace the cartridges and guarantee pure water at all times.

Cascade Cartridges

Fistreem offers several options for feedwater pretreatment. The Dual and Quad cascade systems use a disposable cartridge system to filter contaminants from potable water sources.

A range of cartridge kit options are available to suit your laboratory requirements. Choose from organic, ultra-pure, and high-capacity cartridges.

Organic

Organic cartridges use activated carbon to remove organics and chlorine, such as alcohols, chloramines, residues of pesticides, herbicides, and detergents, that interfere with organic analysis.

Ultra-Pure

Ultra-Pure uses a mixed bed resin containing a mixture of anion and cations resins to improve the ion exchange reaction and produce high-resistivity water (1-15MΩ) free of silica, carbon dioxide and other ionised impurities.

High-capacity

A two-bed resin containing a layer of cation resin followed by a layer of anion resin within the same cartridge. This resin does not remove ions as thoroughly as a mixed bed cartridge, but the life span of this cartridge is longer.

Dual system cartridge kit options

Product	Description
Pretreatment Organic Cartridge kit	Dual-style cartridge kit for Organic Free pretreatment, includes: F00291, F00296
Pretreatment Standard Cartridge kit	Dual-style cartridge kit for Ultrapure pretreatment includes: F00291, F00297
Pretreatment Organic removal (carbon) cartridge kit	Dual-style cartridge kit for organic removal pretreatment includes: F00298, F00298

Quad System cartridge kit options

Product	Description
Organic Cartridge kit	Organic free quad-style cartridge kit for tap water feed includes: F00291, F00293, F00295, F00297
Standard Cartridge kit	Ultrapure quad-style cartridge kit for tap water feed includes: F00291, F00294, F00295, F00296
Organic Pretreat kit	Organic free quad-style cartridge kit for pretreating water feed includes: F00291, F00295, F00295, F00296
Standard Pretreat kit	Ultrapure quad-style cartridge kit for pretreating water feed includes: F00291, F00295, F00295, F00297



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