

A Total Solution Provider

ENVIROGEN
WATER TECHNOLOGIES



World Class Filtration Cartridge Technology



Envirogen, A Total Solution Provider

At Envirogen our vision is straight forward, to be the industry leading water, waste water and process filtration solution provider.

We are committed to understanding the issues our customers face and make it our aim to help solve some of the complex challenges related to water availability and quality, to help our customers increase productivity, reduce costs and meet environmental regulations and sustainability targets. Envirogen is able to deliver integrated solutions which provide long term optimum performance, greater productivity and maximum efficiencies.

Today Envirogen provides bespoke system design, process engineering, and 24/7 maintenance packages along with high end filtration and water treatment consumables in key markets and applications, including:

- Food and Beverage
- Industrial
- Healthcare and Life Sciences
- Oil and Gas
- Manufacturing
- Pharmaceutical
- Power

With vast in-house experience and knowledge and a range of technologies, we provide total solutions that deliver consistently reliable performance at the best lifecycle cost for our customers.

21st Century High End Cartridges

With production and process costs constantly being driven down yet optimal performance a must, process specialists need cartridge filters with long life, high efficiency and low operating cost. This is exactly what the Envirogen range of cartridges delivers.

Whatever the filtration or separation need, the extensive Envirogen cartridge range provides a modern and efficient solution. Modern manufacturing equipment is used to produce consistently efficient filters at low costs, which are engineered to meet the specific requirements of numerous applications.

We manufacture filter cartridges using a wide range of depth and membrane filter media, with filtration ratings from 0.2micron microbial to 200 microns absolute. These filters can be used as prefilters, final filters and sub-micron membrane filters and are suitable for use in new installations or as replacement cartridges in existing systems. Available in a range of industry standard lengths from 5" (125mm) to 40" (1000mm) nominal with end fittings to suit most industry standard filter designs. This ensures that the cartridges can be easily and securely fitted into existing filtration systems.

Benefits of the Envirogen Cartridge Range:

- Comprehensive range
- Pre, Final and Sterile Filtration
- High Purity
- Long Service Life
- High Efficiencies
- Technical Assistance
- Local Support and Service
- Documented Validation
- Quality Assured with Certificate of Origin
- European Cartridge Manufacturing Centre



All cartridges can be supplied with a set of seals of “o” rings which can be selected according to chemical compatibility and the method of steam sterilisation or sanitisation to be used.

Depth

Suitable as either prefilters or final filters, Envirogen offers a range of absolute and nominal rated depth filters using polypropylene, nylon 6, glass and cotton fibres. Filters can be supplied in standard format or as large diameter, high flow versions, with removal ratings ranging from 0.3 – 200 µm.



Activated Carbon filters

Envirogen supplies cartridges containing activated carbon that provide effective removal of contaminants in a clean and easy to use format. We offer products with sintered block or rolled felt activated carbon, either in standard cartridge format or as large diameter, high capacity versions. Typical applications include chlorine removal and decolourisation.



Pleated

The pleated cartridges using a range of different media types including polypropylene, glass fibre and nylon mesh with absolute removal ratings ranging from 0.3 – 400 µm. Filters can be supplied in standard format or as large diameter, high flow versions for ultimate efficiency depending on the application.



Capsule

Capsules are fully disposable filter units for small and medium scale liquid and gas processing applications. They are ready-to-use, avoiding the need to purchase or maintain filter housings and are easy to change-out with minimum downtime.

Available with hydrophilic PES or hydrophobic PTFE membranes and with polypropylene or Borosilicate Glass pleated media.



Membrane

Designed for sub-micron filtration, these cartridges are selected to suit the characteristics of particular process applications, with high flow rates and the ability to be repeatedly integrity tested give optimum filtration performance. They can be used as prefilters or final filters and are suitable for particulate of microbial reduction in critical applications, including sterilisation. We offer absolute rated pleated membrane filters with either hydrophilic polyethersulphone (PES) or hydrophobic PTFE media. These are supported with comprehensive technical documentation.



Critical Quality Control

Every product supplied is quality control checked, tested and guaranteed to international standards giving the peace of mind and assurance you need.

All the cartridge products are manufactured in controlled environments using well defined and documented work instructions and quality plans, accredited to ISO 9001, thus ensuring the highest quality and cleanliness standards are consistently maintained.

Full traceability back to the raw materials used is enabled through the use of part numbers and batch numbers.

Products are validated and tested using a modified single pass test methodology with standard test dust and typically achieved Beta 5000 at their respective micro ratings

Innovation, Engineering and Service for the 21st Century



Within the Envirogen Group we pride ourselves on having the tools, the know-how and ability to develop innovative solutions to solve the complex challenges faced by industry today when it comes to process efficiency.

From high end consumables, to complex projects, our in-house team of engineers are able to design, install and commission the best solution. From drawing and planning and software writing to project management, we can be on hand to take control of all of your project no matter how big or small, or just a part of it. Leaving you to get on with what you do best.

Once a project is complete, we have a range of PureCare 24/7 service and maintenance packages designed to meet your needs, keeping your plant and processes operational 24 hours a day, seven days a week, working at its peak. Our offering gives you clear choice and flexibility enabling you to choose the level of cover you require depending on your application, operation or budgetary requirements.

Giving you peace of mind, reliability and security.



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