

CLERIFY REMivol
Trace Oil Removal Cartridges



CLERIFY REMivol uses a surface modified substrate composed of selected fibres that are chemically modified to provide a high affinity to form a powerful electro-chemical bond with hydrocarbons. This unique media forms an instant, irreversible electro-chemical bond on contact with hydrocarbons. This electro-chemical bonding process guarantees that removed oil cannot leach even at saturation point.

Typical Applications:

- Oil well service operations
- Gas and oil facility waste water
- Produced water
- Gas clean up
- Pipe and tank purge water
- RO protection against oil-fouling, including boiler feed make-up water and desalination plants
- Steam condensate recovery
- Environmental protection and compliance
- Water re-use
- Marine and ballast discharge
- Industrial discharge water
- Compressor condensate
- Post oil / water separator polishing

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Features and Benefits

- Removes and retains up to 300% own weight.
- Typically removes up to 99% of total hydrocarbons from water in a single pass.
- Effective down to very low levels (ppm & ppb values)
- Short retention time, allowing high flow rates.
- Removal of free oil, including crude oil, fuel, lube and organic materials, meets EPA discharge regulations.
- Increases life of valuable process fluids.
- Radial flow design allows maximum flow with minimal pressure drop.
- Removal of dissolved hydrocarbons.
- Removal of emulsified oil.
- Suitable for removal of BTEX compounds (gas condensate)
- Low pressure differential.
- Constant pressure differential through to saturation.
- Completely incinerable.
- Can be disposed of as normal oily waste in accordance with the appropriate local and national regulations.
- Classified as non-hazardous.

CLERIFY REMivol Operating and Manufacturing Parameters

- Standard product operating temperature up to <50°C.
- High temperature product operating temperature up to <100°C.
- Standard diameter cartridges available in 2.5, 4.6, 12, and 40 inch o.d. Cartridge length up to 60 inches. Other sizes can be accommodated on request.
- A range of hardware materials are available compatible with specific applications.
- Service compatible seals materials.
- Cartridges can be designed to retro-fit into existing equipment.
- Pilot scale equipment can be offered.
- Vessels and associated equipment available to meet project specifications.