



Filtertechnik

# FTECH-SS

## HIGH CAPACITY OIL REMOVAL MODULES

The removal of trace hydrocarbons from partially processed water prior to discharge can be a challenging and costly exercise. In response to the need for better technology for this application, Amazon Filters has introduced the Ftech-SS range of cartridges. Ftech-SS cartridges are so effective that they can absorb up to 300% of their dry weight in oil/hydrocarbon.

These modules provide economical removal of up to 99% of oil and emulsions and are ideal for use as a polishing step downstream of existing bulk oil removal technologies. Where the contamination level is < 500 mg/l, efficiency is maintained at high flow rates. Therefore they offer a compact solution for oil removal that reduces the environmental impact of oilfield and process industry operations. Ftech-SS cartridges are available in the most common standard single and double open-ended formats so can be used in existing filter housings.

## Typical Applications

- **Produced Water** -The water released with oil and gas extractions is likely to contain both dissolved and dispersed hydrocarbons. Ftech-SS cartridges can be used as an end of pipe solution downstream of the primary oil removal process equipment. This will remove residual gas condensate and dissolved and dispersed oil from produced water, enabling it to be discharged directly into the sea or to a watercourse.
- **Displacement Water** – Water used in down hole operations will be contaminated with hydrocarbons when displaced. The use of Ftech-SS cartridges will help meet target discharge levels.
- **Rig and Tanker Slop Water** – Installation 'run-off' water produced by operations such as washing and flushing and by rain fall will be contaminated by oil. Run-off water can be treated by Ftech-SS cartridges to ensure compliance with overboard discharge limits.
- **Well Test Water** – Water extracted during well production testing will contain high levels of hydrocarbons. Ftech-SS cartridges can be used as a polishing step downstream of primary treatment to ensure discharge limits are met.
- **Pipeline Purge Water** – Ftech-SS cartridges can be used to remove oil from water used to purge pipelines to enable discharging into the environment.



## Supacarb features and benefits

- Large carbon surface area exhibits excellent chlorine reduction characteristics
- Graded density pre-filtration layer for effective sediment removal and protection of the carbon media
- All polymeric construction offers excellent chemical compatibility and stability in aqueous solutions
- Minimal carbon release when compared to conventional loose filled granular (GAC) style cartridges
- Identification embossed on every cartridge
- Construction eliminates fluidising, channelling or bypass
- Can be sanitised and steam sterilised

## Technical data

### Dimensions

- Outside Diameter: 70mm
- Length: See ordering guide

### Materials of Construction

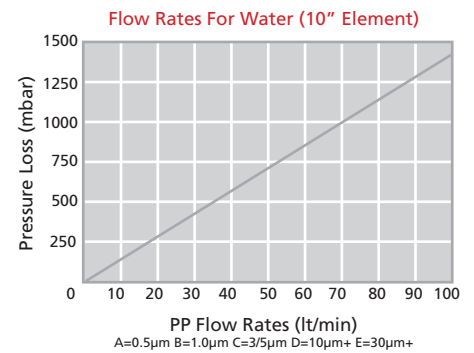
- Media: Modified Cellulosics
- Core, Net and Connections: Polypropylene

### Maximum Operating Conditions

- Temperature: Standard Unit: 70°C
  - High Temperature Unit: 85°C
- Recommended Maximum Inlet Contamination Level: 500mg/l

### UK Offshore Chemical Notification Scheme

Category: 0 (Zero)



## Ordering guide

FT-13

