

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, Filtertechnik 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 downhill operations will be contaminated with hydrocarbons when displaced. The use of Ftech-SS cartridges will help meet targets 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.



FEATURES AND BENEFITS

- Ftech-SS absorbs up to 300% of its dry weight of oil/hydrocarbons
- Typically absorbs up to 99% of total hydrocarbons in water
- Proven technology offers effective oil removal at high flow rates thus reducing system size and footprint
- Easy to install and operate with low capital and operational costs
- Modular design allows appropriate sizing for all flow rates
- Compact design means easy disposal of spent cartridges

TECHNICAL DATA

Dimensions		
Outside Diameter:	70mm	
	1 1/2 (B-Blue)	
Materials of Construction		
Media	Modified Cellulosics	
Core, Net and Connections:	Polypropylene	
Maximum Operating Conditions:		
Temperature: Standard unit:	70°C	
High Temperature Unit:	99°C	
Recommended Maximum Inlet Contamination Level	500mg/l	

