

## FILTER COALESCER MOD-100

The Modcon MOD-100 Coalescer Filter was developed to provide reliable and efficient fuel and lubricating oil filtration system for mostly petroleum analyzer applications. It is used for separating water from insulating oil, jet fuels, diesel fuels, kerosene and gasoline. According to petroleum production standards the amount of water in fluids should be kept low concentrated. Water droplets causes turbidity for that reason it is advisable to carry out a mechanical separation for the water droplets before the on-line analysis.



### Principle Operation

The element filters solids but mainly also causes small droplets of free water to coalesce into big droplets and drop to the bottom of the filter housing from which it is lately drained. The outer media layer filters out silt, rust and other particulate contaminants. The inner layers absorb water and chemically bond it so that no water will release downstream.

### Characteristics

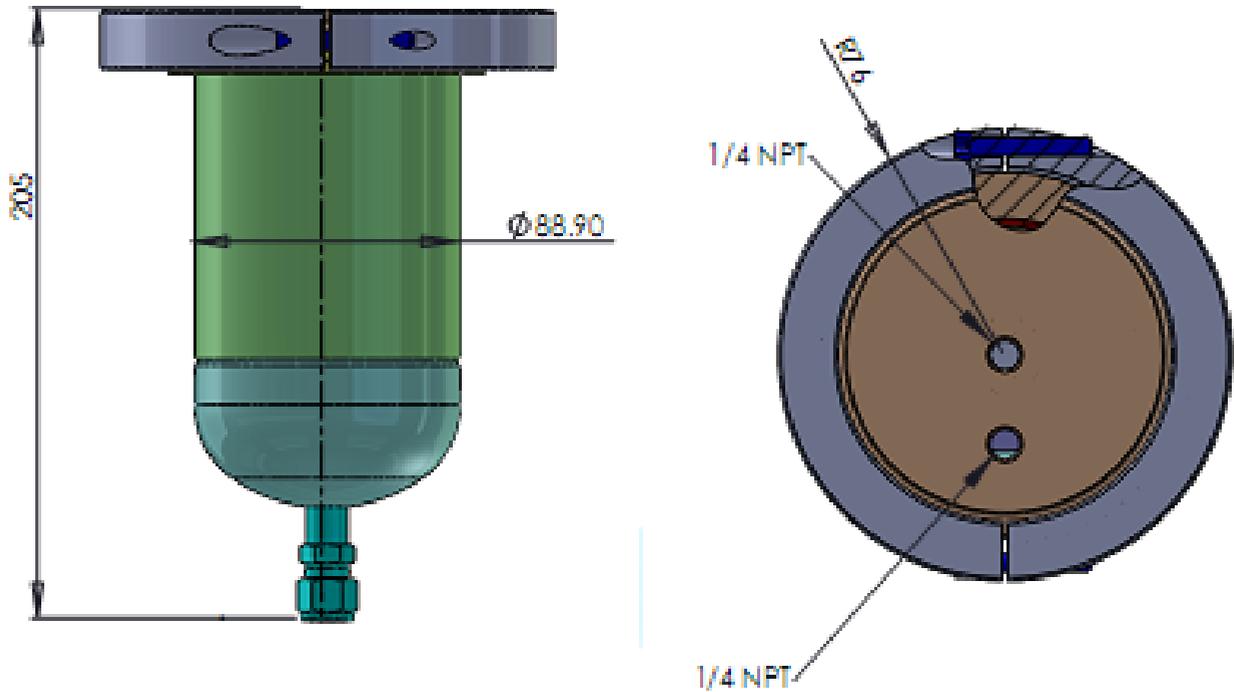
- Effectively filters silt and other particulates
- Removes free and emulsified water to less than 5 ppm
- Water removal by means of sedimentation.
- Does not affect oil additives

### Features and Benefits

- Designed for easy maintenance and change of filter element
- Secured sealing achieved by high quality Viton O-ring on filter body and housing cap.
- Housing cap is made of Stainless Steel durable for high pressure streams.
- Differential pressure increase alerts operator to change cartridges



# Technical Specifications



### Performance Specifications

Maximum Temperature	82 °C
Maximum Operating Temperature	71 °C
Maximum Inlet Pressure	25 kg/cm <sup>3</sup>
Maximum Differential Pressure	5.5 kg/cm <sup>3</sup>
Filtration Efficiency	95% of 5micron size

### Size and Weight

Total Unit Weight	5.8 kg
Total Unit Volume	0.82 liter

### Inlet/Outlet Connection

¼ NPT

### Material

Stainless Steel

### Part Numbers

Replacement Element	FL-000044
Filter Assembly	FL-000120



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