

Proudly Australian



Oil Absorbing - Large Diameter

(PENTEK Brand)

The OAC-20 Oil Adsorbing Cartridge is made from modified cellulose based filter media processed into sheets and assembled into cartridges for use in standard 20" large diameter housings. The modified cellulose-based filter material chemically bonds specifically with hydrocarbons and other pollutants such as dissolved and dispersed oil from water.

Features and Benefits

- Instantaneous Adsorption, more effective than Activated Carbon with up to 90% of Total Hydrocarbons removed in a single pass.
- The Filter Media can hold 250-300% of it's own weight, with No Release of Removed Hydrocarbons.
- High flow rates with Low pressure Drop.
- Removes Dissolved and Dispersed Oils

Typical Applications

- Gas & Oil Facilities
- Car & Truck Washes
- Auto Service Stations
- Factories & Repair Shops
- Machine Shops
- Industrial Process
- Surface Water Runoff (Truck Stops, Airports, Parking Lots, etc.)

Change-Out Frequency

Change-out frequency will depend on the oil burden the filter/s have to handle because no appreciable increase in pressure drop is observed during the service life, the filter must be changed when it's adsorption capacity is exhausted.

Performance

The Oil Adsorbing cartridge typically reduces hydrocarbon contamination up to 90% - 95% in a single pass. Lower outlet levels of hydrocarbons can be achieved by connecting cartridges in series. Higher flow rates also can be achieved by connecting cartridges in parallel. The cartridge media has the potential to remove up to 2,270 grams of hydrocarbon contaminant. On this basis, the table below provides expected life data in hours or litres at several contaminant levels based on a 38 Lpm flow rate per 4.1/2" x 20" cartridge.

Installation

Certain applications may require pre filtration. Lower outlet levels of hydrocarbons can be achieved by connecting cartridges in series. Higher flow rates can be achieved by plumbing cartridges in parallel.

General Specifications

- Length 511mm (20")
- Outside Diameter 114mm (4.1/2")
- Inside Diameter 25mm (1")
- Temperature Limit 52°C (125°F)
- Flow Rate 19-38 lpm (5 - 10 gpm)
- Pressure Drop 1-7 kpa (0.2 - 1.0 psi) @ 19-38 lpm

Series: WCOAC



Oil Absorbing Cartridge

Hydrocarbon Concentration		Hydrocarbon Removal per Minute (grams)	Estimated Life In Hours	Litres Fluid Treated
(ppm)	(% by weight)			
10	0001	0.36	106	239,000
100	0.01	3.6	10.6	23,900
1000	0.1	36	1.1	2,390

Note: Operating flow will vary based on application, type of pollutants, flow rate and levels of contamination.

Further technical information available upon request.

Model No.

20"

WCOAC20L

Phone
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0269 258 555

COOLABAH WATER

Ah... that's better !