



## Carbflex™ Series CAF-450

### OAC-20BB Oil Adsorbing FILTER CARTRIDGE

The Carbflex™ OAC-20BB Oil Adsorbing Filter Cartridge is made from modified cellulose-based filter media to chemically bond with hydrocarbons and other pollutants.

#### APPLICATIONS

- Auto Service Stations
- Car and Truck Washes
- Oil and Gas Facilities
- Machine Shops
- Repair Shops
- Shipping Bilge Water
- Surface Water Runoff (Truck Stops, Airports, Parking Lots)

*Note: Certain applications may require pre-filtration.*

#### CARTRIDGE OPERATION

The Carbflex™ OAC-20BB Oil Adsorbing Filter Cartridge typically reduces hydrocarbon contamination up to 90-95 percent in a single pass. Lower outlet levels of hydrocarbons can be achieved by connecting cartridges in series.

#### FEATURES

- Instantaneous adsorption – up to 90 percent of total hydrocarbons removed in a single pass
- High flow rates
- Removes dissolved and dispersed oils
- Low pressure drop
- Media can hold 250-300 percent of its own weight, with no release of removed hydrocarbons
- Constructed for use in standard 20-inch Big Blue® filter housings

#### SPECIFICATIONS

Component	Material/Value
Endcaps	PVC Plastisol
Center Core	Natural Polypropylene
Outer Net	Polyethylene
Media	Modified Cellulose
Area	18 sq. ft. (1.6 sq. m.)
Weight	1.75 lbs. (0.8 kg)
Chemical Notification #	0 (zero)



**Pentair  
Industrial**

# Carbflex™ OAC-20BB Series CAF-450 Filter Cartridges

## CARTRIDGE SPECIFICATIONS

Model	Maximum Dimensions	Core I.D.	Flow Rate	Pressure Drop (at 5-10 gpm)
OAC-20BB	4.5" x 20.1" (114 mm x 511 mm)	1.110" (28 mm)	5-10 gpm (19-38 Lpm)	0.2-1.0 PSI (0.01-0.07 bar)

Change-out frequency will depend on the oil burden in the application. Because no appreciable increase in pressure drop is observed during service life, the filter must be changed when its adsorption capacity is exhausted.

**PERFORMANCE\*** For hydrocarbon-adsorbing capacity: The cartridge media has the potential to remove up to 2270 grams (5 lbs.) hydrocarbon contaminant. On this basis, the table below provides expected life data in hours or gallons at several contaminant levels based on a 10 gpm flow rate per 4.5" x 20" cartridge.

Hydrocarbon Concentration (PPM)	Hydrocarbon Concentration (% by weight)	Hydrocarbon Removal per Minute (grams)	Estimated Life in Hours	Gallons Fluid Treated	Estimated Cost per Gallon of Treated Fluid
10	0.001	0.36	106	63,308	0.001
100	0.01	3.6	10.6	6,330	0.01
1000	0.1	36	1.1	633	0.11

**NOTE:** Operating flow will vary based on applications, type of pollutants, flow rates and level of contamination.

**DISPOSAL:** Safe and acceptable method to meet all local and EPA regulations is recommended. End user is responsible for safe disposal of used cartridge at user's cost. Consult factory for additional information.

\*Based on manufacturer's internal testing.



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