

CARBFLEX™ SERIES

OAC Plus Oil Adsorbing FILTER CARTRIDGE

The OAC Plus Oil Adsorbing Filter Cartridge removes high amounts of dissolved, dispersed and emulsified hydrocarbons from water. The proprietary filter media, which is made using Pentair Fibredyne™ technology, chemically bonds with hydrocarbons. The OAC Plus can provide up to 8 times the removal efficiency of granular activated carbon filter cartridges.

APPLICATIONS

- Industrial effluent treatment
- Boiler feed water
- Bilge and ballast water
- Desalinations plants
- Oil and gas facilities
- Car and truck washes
- Surface water runoff (truck stops, airports, parking lots)

Note: Certain applications may require pre-filtration.

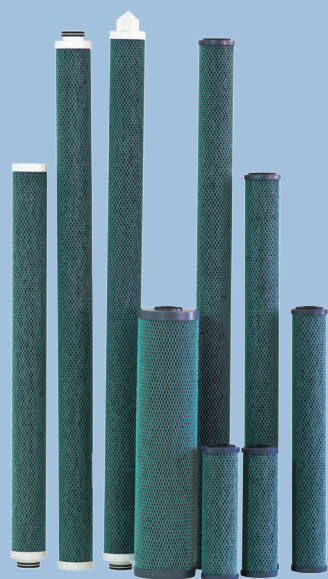
FEATURES

The OAC Plus Oil Adsorbing Filter Cartridge can be used to treat contaminated run-off water, boiler feed water and bilge and ballast water. The OAC Plus is also used to protect membrane filters from fouling caused by oil contamination.

- Removes dissolved and dispersed oils
- Media can hold up to 340 percent of its own weight, with no release of removed hydrocarbons
- Instantaneous adsorption – up to 95 percent of total hydrocarbons removed in a single pass
- Up to 8 times more efficient than granular activated carbon filters
- High flow rates
- Low pressure drop
- Multiple sizes available for custom applications

SPECIFICATIONS

Component	Material/Value
Endcaps	Polypropylene w/ Santoprene® gasket
Center Core	Polypropylene
Outer Net	Polyethylene
Media	Proprietary
Area	18 sq. ft. (1.6 sq. m.)
Maximum Temperature	180°F (82°C)
Chemical Notification #	0 (zero)



INDUSTRIAL®

CARTRIDGE OPERATION

The OAC Plus Oil Adsorbing Filter Cartridge typically reduces hydrocarbon contamination up to 95% in a single pass. Lower outlet levels of hydrocarbons can be achieved by connecting cartridges in series.

CARTRIDGE SPECIFICATIONS

Model	Maximum Dimensions	Cap I.D.	Cap O.D.
OAC PLUS-9.8 DOE	2.83" x 9.86" (72 mm x 251 mm)	1.085" (28 mm)	-
OAC PLUS-10 DOE	2.83" x 10.08" (72 mm x 256 mm)	1.085" (28 mm)	-
OAC PLUS-20 DOE	2.83" x 20.1" (72 mm x 511 mm)	1.085" (28 mm)	-
OAC PLUS-20BB DOE	4.63" x 20.1" (118 mm x 511 mm)	1.13" (29 mm)	-
OAC PLUS-30 DOE	2.83" x 30.12" (72 mm x 756 mm)	1.085" (28 mm)	-
OAC PLUS-40 DOE	2.83" x 40.1" (72 mm x 1019 mm)	1.085" (28 mm)	-
OAC PLUS-20BB UPC	4.63" x 20.1" (118 mm x 511 mm)	1.13" (29 mm)	-
OAC PLUS-30 222 FLAT	2.74" x 30.5" (70 mm x 775 mm)	-	2.74" (70 mm)
OAC PLUS-40 222 FLAT	2.74" x 40.5" (70 mm x 1029 mm)	-	2.74" (70 mm)
OAC PLUS-40 222 FIN	2.74" x 42.13" (70 mm x 1070 mm)	-	2.74" (70 mm)

PERFORMANCE

Average oil removal*

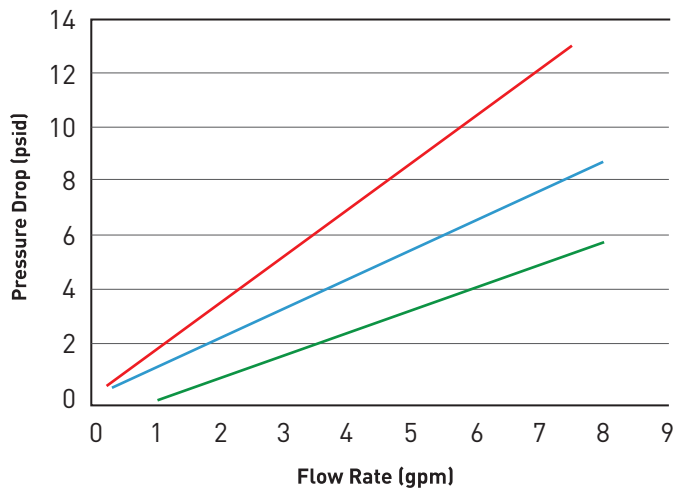
Cap O.D.	10"	20"	30"	40"
2.83" (72 mm)	432 gms	864 gms	1296 gms	1728 gms
4.63" (118 mm)	1548 gms	3096 gms	4644 gms	6192 gms

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.

*Based on manufacturer's internal testing.

PRESSURE DROP vs. FLOW RATE



RED = OAC PLUS 9.8 DOE
BLUE = OAC PLUS-20BB DOE
GREEN = OAC PLUS 20 DOE

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.

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