

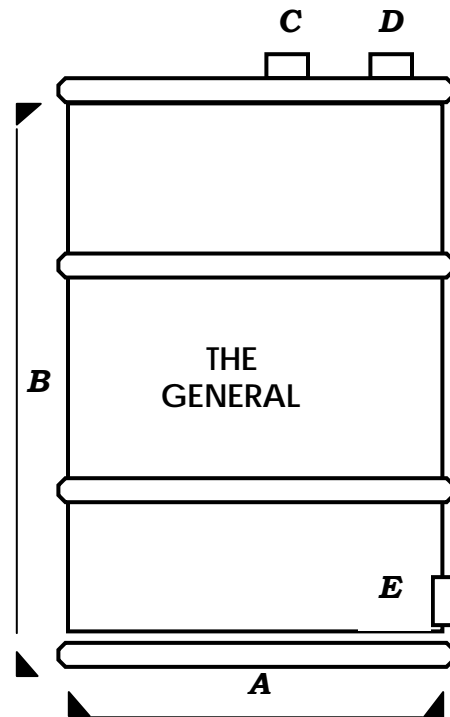


GC OIL-KLEEN

organo-zeolite oil sorbent

The General Carbon Corporation's **Oil-Kleen** is formulated to remove undissolved oil and grease from aqueous streams. A quaternary ammonia amine is impregnated onto natural zeolite, resulting in a granular product that attracts and holds free oil. The less soluble a compound is in water, the better *OIL-KLEEN* will work. When used as a pretreatment for activated carbon, *OIL-KLEEN* can greatly extend carbon life. Pressure loss through the bed increases with oil loading and can be used to monitor the bed condition.

OIL-KLEEN is supplied by the GENERAL CARBON CORPORATION in bulk or in 55, 85 and 110 Gallon treatment units. These filters come complete with internal plumbing and are ready for installation. If larger flow rate systems are needed, please contact our office.



<u>FILTER SPECIFICATIONS</u>	<u>55 GALLON</u>	<u>85 GALLON</u>	<u>110GALLON</u>
A - Diameter, Outside	24"	28"	32"
B - Height, Outside	35"	39"	43"
Inlet Fitting	C - 1" FPT	C - 1" FPT	C - 1.5" FPT
Outlet Fitting	E - 1" FPT	D - 1" FPT	D - 1.5" FPT
Drain Fitting	E - 1" FPT	E - 1" FPT	E - 1" FPT
OIL-KLEEN Weight, lbs.	300	600	800
Flow Rate, GPM (max)	10	14	20
Maximum Pressure, psig	10	7	7
Maximum Design Temp., Deg F	140	140	140
Flow Direction	Downflow	Downflow	Downflow

MEDIA SPECIFICATIONS

Particle Type:	Granular
Mesh Size, (Standard Mesh):	4x10
Typical Density, lbs./cu.ft.:	57-59
g/cc:	0.91-0.94

Installation & Start Up - Fresh *OIL-KLEEN* units must be prepared before they are used for the first time. A gentle backwash at 100-150% of the listed flow rate is required to clean product fines from the bed. This will insure that you have a minimum pressure drop through the unit. Multiple units can be connected in parallel to treat higher flow rates. Pressure gauges before and after the unit will allow you to determine pressure drop and the bed condition.

Maintenance - Once connected, *OIL-KLEEN* units require little maintenance. The operating pressures should be monitored in order to help determine when the bed needs to be replaced. When the operating pressure reaches the maximum for the drum, bed material should be changed-out or the drum replaced with a fresh unit.

The working life of each unit depends upon the type of contaminant in the water as well as its concentration and the liquid flow rate. A pressure relief device is advised to prevent damage to the canister in the event of excessive pressure buildup.

Recharging *OIL-KLEEN* Filters - Once the oil capacity is used up, the unit should be removed and replaced with a fresh one. To purchase a replacement unit or to arrange for a bed change-out, please contact our office.

Disposal - Dispose of spent *OIL-KLEEN* in accordance with Federal, State and Local regulations. Because of the Anthracite coal in *OIL-KLEEN*, the spent media has a high BTU value and may be disposed of by use in fuel blending.

Caution!

Wet activated carbon removes oxygen from air causing a severe hazard to workers inside carbon vessels. Confined space/low oxygen procedures should be put in place before any entry is made. Such procedures should comply with all applicable Local, State and Federal guidelines.