

Manual Oil Interceptors

HT-2510

Manual Oil Interceptors (MOI) are designed to trap sediment and retain free floating oil and grease (petroleum hydrocarbons and other volatile liquids) from wastewater discharged from floor drains such as those found in aircraft and vehicle maintenance, storage and washing facilities, and hydraulic elevator pit applications.

MOIs prevent the discharge of sediment, oil, grease and other substances harmful to the building's drainage system, the public sewer or sewage treatment plant or processes.

Operation

MOIs are installed between the floor drain(s) and the sanitary sewer, either aboveground or below ground. The operation of the MOI is simple. MOIs retain wastewater long enough to allow those contaminants with specific gravities different than water to separate out by gravity. Since oil is lighter than water, the oil floats and can be manually skimmed from the surface of the interceptor.

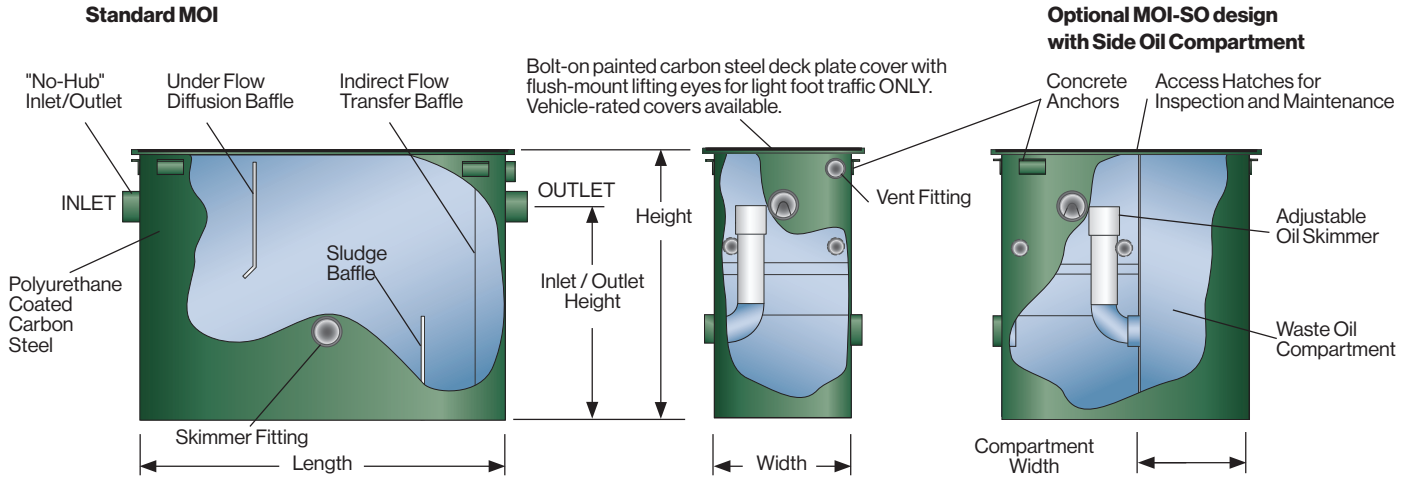
Conversely, solids settle to the bottom and accumulate at the sludge baffle. The accumulating waste oil and solids are periodically removed and properly disposed.

Accessories

- Influent sumps and pumps
- Control panels with high oil alarms
- Effluent pumps within MOI clear well
- Double-wall with leak detection

MOIs are also available with an integral Side Oil (MOI-SO) waste storage compartment. This simplifies the installation and maintenance of the interceptor system by putting the oil separation chamber and storage tank in one unit, thus eliminating the need to pipe and vent a separate oil storage tank. This new feature also eliminates any problems with a regulated underground storage tank.

Drawing & Details



Construction

MOIs are constructed of mild carbon steel and coated with heavy-duty polyurethane for superior corrosion resistance. Stainless steel construction is also available. MOIs are suitable for installation above or below grade and are available in configurations to fit almost any requirement. Top deck plate covers allow for flush-with-floor installation for easy access for maintenance and cleaning.

Optional vapor-tight quick-opening covers or hinged hatch doors are available. Optional vehicle-traffic-rated grade level covers are also available. Highland Tank offers an extensive range of standard sizes and capacities. Custom manufacturing and many options and accessories are available.

Model MOI	*Flow Rate Gal/Min	Total Volume Gallons	Ft. ³	Nominal Dimension			*Inlet & CL Outlet NPT	Inlet & Outlet Height	Waste Oil Storage Compartment	
				Length	Width	Height			Width	Volume
25	25	55.2	7.4	30"	20"	34"	3"	26"	17.25"	50
35	35	74.7	10.0	36"	22"	34"	3"	26"	14.00"	50
50	50	80.8	10.8	36"	22"	36"	3"	28"	25.75"	100
75	75	168.9	22.6	50"	32"	36"	3"	28"	18.00"	100
100	100	187.5	25.1	53"	34"	36"	4"	28"	33.00"	200
125	125	195.2	26.1	55"	34"	37"	4"	28"	33.00"	200
150	150	214.3	28.6	60"	34"	38"	4"	28"	29.50"	200
200	200	291.4	39.0	70"	34"	42"	4"	32"	33.00"	300
250	250	426.4	57.0	76"	38"	50"	4"	38"	22.75"	300
300	300	511.3	68.3	80"	42"	52"	4"	40"	25.50"	300
350	350	549.7	73.5	82"	44"	52"	4"	40"	37.00"	500
400	400	621.3	83.1	84"	46"	54"	4"	42"	34.375"	500
450	450	664.5	88.8	86"	48"	54"	4"	42"	33.50"	500
500	500	781.8	104.5	88"	50"	58"	4"	46"	30.00"	500
750	750	838	112.0	92"	50"	56"	4"	46"	30.00"	500

* Intermittent flow. **NPT 6" and larger – companion flanged connection. Also available with 8" or 10" inlet or outlet. "No-Hub" connections can be supplied for floor mounting or partially recessed installations. Note: Vent Connections are 2" or 3" NPT, on outlet end of MOI. Check and advise for local code requirements. Contact your local Highland Tank representative for assistance with the local Authority Having Jurisdiction (AHJ) regulations.