

OIL INTERCEPTORS AND SIZING

- Required anywhere that oil and sand may be introduced to the public sewer system in applications such as: repair garages, oil change stations, car wash facilities, parking garages, parking lots, hydraulic elevator pits, etc.
- The interceptor collects the oil before it is drained to an adjacent storage tank through an adjustable draw-off system. Sediment and debris are collected inside of the internal sediment bucket.
- The International Plumbing Code – 2015 (IPC) and Uniform Plumbing Code 2012 (UPC) require the installation of oil interceptors in the above mentioned applications.

OIL INTERCEPTORS SIZED BY SQUARE FOOTAGE FOR SERVICE AREAS

Drainage Area (sq. ft.)	Cubic Ft. Capacity Required	Holding Capacity Required (U.S. Gallons)
Up to 200	Up to 7	52
>200 – 1,100	Up to 16	120
>1,100 – 3,100	Up to 36	269
>3,100 – 6,700	Up to 72	539
>6,700 – 10,400	Up to 109	815
>10,400 – 14,200	Up to 147	1,100

OIL INTERCEPTORS SIZED BY FLOW RATE FOR PARKING AREAS ONLY

Pipe Size (Nominal)	Per Manning's Formula*		Supply Line Flow Rate		
	Half pipe flow (design flow) (GPM)	Maximum full pipe flow (GPM)	Velocity	1/2	3/4
2"	9.67	19.44	4 Ft. / sec	3.77 GPM	6.64 GPM
3"	29.33	58.67	6 Ft. / sec	5.66 GPM	9.96 GPM
4"	62.96	127.77	8 Ft. / sec	7.54 GPM	13.29 GPM
6"	187.74	375.47	10 Ft. / sec	9.43 GPM	16.61 GPM
	▲ Recommended flow rate				

* 1/4" pitch slope based on Manning's Formula with friction factor N=0.12"