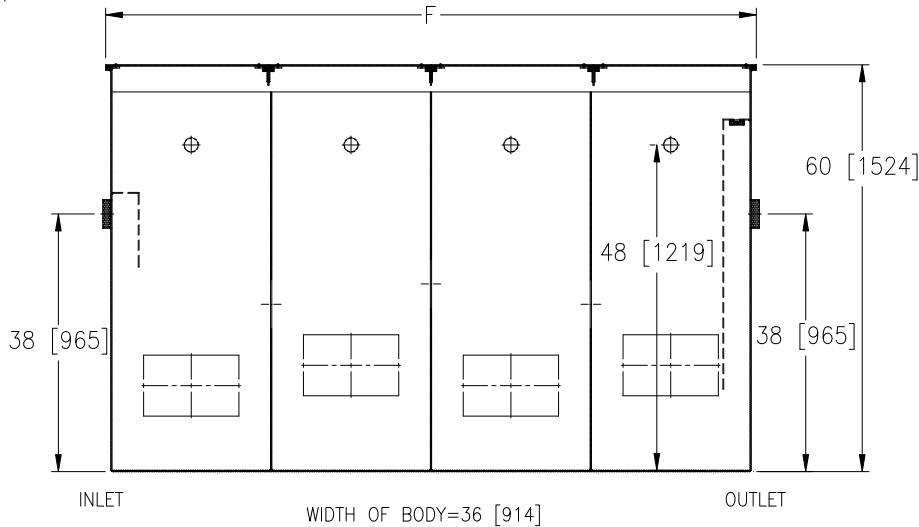




# Z1187 SAND & SEDIMENT INTERCEPTOR OPERATION AND MAINTENANCE INSTRUCTIONS

Dimensional Data (inches and [ mm ]) are Subject to Manufacturing Tolerances and Change Without Notice



Size	Cubic Ft. [m <sup>3</sup> ]	Approx. Wt.Lbs. [kg]	F-Dim in Inches
300	43 [1.2]	1600 [726]	60 [1524]
400	54 [1.5]	1750 [794]	72 [1829]
500	72 [2]	2100 [953]	96 [2438]
600	81 [2.3]	2500 [1135]	108 [2743]
700	90 [2.5]	2700 [1226]	120 [3048]
800	108 [3]	3000 [1362]	144 [3658]
1000	135 [3.8]	3640 [1652]	180 [4572]

## **SIZING**

The sizing of this interceptor is generally based upon the expected amount of solids and waste to be retained. (See chart above for waste storage capacity). Secondly, sizing will determine the frequency for which cleaning shall be required. Larger units will handle greater volumes of solids between cleaning, and therefore larger flow rates. All units are made with a standard 4 [102] pipe size inlet and outlet and are capable of handling drainage volumes standard to 4 [102] pipe.

## **DESIGN**

The Zurn Z1187 Sand and Sediment Interceptor is designed to separate and retain sand, gravel and similar materials, in addition to any oil, grease, gas or diesel fuel laden waste material. This is accomplished through the principle of gravity and floatation separation. The separator's eight chambers, with varying passage elevations, trap virtually all materials which separate from water under gravity conditions. Larger and heavier materials are retained in the first compartment, while smaller and lighter materials are trapped in other compartments. Oil, grease and similar materials will be retained at the surface of some or all eight compartments. Any gaseous fumes will be collected between the top of the water and the bottom of the cover and vented through the 4 individual 2 [51] threaded vent connections.

## **OPERATION**

The waste water flows from the inlet piping into and through the separator, and is regulated upward and downward through openings in the stationary baffles that divide the separator into eight compartments, assisting in the separation and collection of solids and oil particles, then exits the interceptor to the sanitary drain system.

## **MAINTENANCE**

Cleaning should be done on a regular basis, either before or after baffle openings are clogged. Remove the covers and skim off any oil or grease accumulation, then, using a mechanical pumping system, pump out all eight compartments of water and accumulated solids. Make sure that all vents are free of debris to allow gases and odors to exit from the unit. Make certain cover gasket is intact and clean. Apply a light coating of oil on the cover gasket, which helps prevent the cover gasket from adhering to cover and aids in maintaining a complete seal. The covers should then be placed back on the unit and secured. Efficiency of operation is directly related to the level of maintenance.

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