

MACTRAP FILTERED SEDIMENT TRAPS

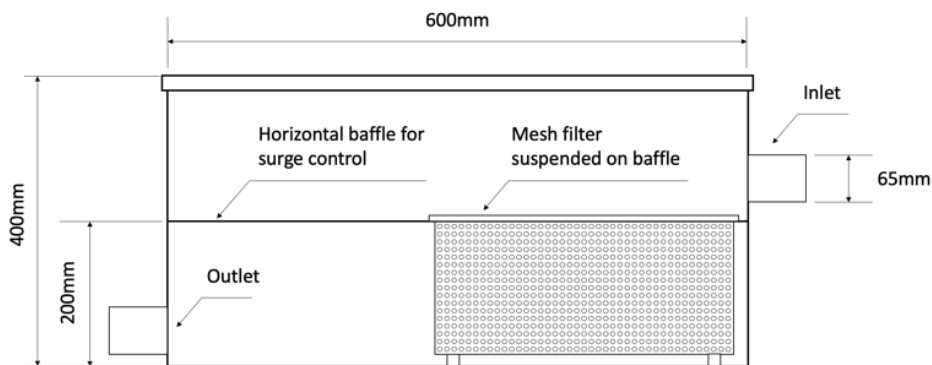
SEPARATION SYSTEMS USING FILTRATION AND SETTLEMENT

MACTRAP FILTER TRAPS ARE DESIGNED TO TRAP FINE SEDIMENT AND SUSPENDED PARTICULATES THAT CANNOT OTHERWISE BE TRAPPED THROUGH GRAVITY SETTLEMENT ALONE

Filter Traps are available in stainless steel for smaller internal installations and polymer for larger external installations with capacities of 250L – 6000L. All Filter Traps have a removeable stainless steel filter screen or filter basket which is easily accessed for inspection and cleaning.

Stainless Steel Internal

The MACTRAP MTLT100SS is designed as an inline trap for internal installation in smaller commercial operations where flow can be accommodated with a 65mm inlet.



MTLT100SS Internal inline lint trap

The lint trap has a large surge control area which helps prevent overflow when the filter basket is partially clogged or requires cleaning. An optional high-level alarm can be fitted to alert the operator that the filter basket is becoming clogged with fine particulate matter.

Polymer External

Typically installed externally, the MACTRAP Polymer range of Filter Traps can be installed above or below ground. The Filter Trap is fitted with dual filter baskets that can be configured with different mesh sizes to suit the application. For example, a laundromat may be configured with a coarse mesh first basket to catch objects such as buttons and coins, with a finer mesh second basket to catch lint.

The baskets are designed to be removed from the Filter Trap through the standard riser and cover combinations. The baskets have a finite capacity for collected material before becoming clogged and must be regularly removed and emptied.

The Filter Traps will inevitably accumulate sediment and other “heavier than water” particulate matter that must be regularly removed by a scheduled service. The service is typically carried out by a vacuum truck or similar.

250 Filter Trap

The MACTRAP MTFT250 filter trap can be installed above or below ground (below ground cutaway pictured). The 250 is designed with smaller filtration installations where residual temperature is not a consideration. The baskets have a volume of 18 litres each.



Product code	MTFT250S	MTFT250A/D
Total Volume	392 l	392 l
Total Basket Capacity	36 l	36 l
Length	1200 mm	1200 mm
Width	520 mm	520 mm
Height	628 mm	1078 ¹ mm
Inlet invert From surface	160 mm	610 ¹ mm
Outlet invert From surface	370 mm	820 ¹ mm

¹ Includes height of riser

Accessories

Class A or D sampling chamber	MTIC350A/D
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500 Filter Trap

The MACTRAP MTFT500 filter trap can be installed above or below ground (below ground cutaway pictured). The 500 is designed with medium filtration installations where residual temperature is not a consideration. The baskets have a volume of 36 litres each.



Product code	MTFT500S	MTFT500A/D
Total Volume	681 l	681 l
Total Basket Capacity	72 l	72 l
Length	1200 mm	1200 mm
Width	645 mm	645 mm
Height	880 mm	1330 ¹ mm
Inlet invert From surface	160 mm	610 ¹ mm
Outlet invert From surface	370 mm	820 ¹ mm

¹ Includes height of riser

Accessories

Class A or D sampling chamber	MTIC350A/D
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Residual Temperature

In some instances the waste water may need to be cooled before discharge to trade waste (sewer). For example, large scale laundromats with 6 or more commercial machines may need a Filter Trap with sufficient capacity to allow the waste water to cool to a temperature specified by the local council.

MACTRAP Filter Traps are available in larger sizes up to 6000 litres with sufficient capacity to dilute and cool waste water. Contact MACTRAP for more information.



100 Micron Fine Particulate

The MACTRAP 100 Micron Fine Particulate Filter Trap is designed to protect waste water from potentially contaminated fine particulate matter, such as clays and silt. The 100 micron Filter Trap is a three stage filtration system with the last stage a 100µm filter. The first two stages collect sediment in removable baskets, with finer filters at each stage, while the sediment collected in the third stage (blocked by the 100 micron filters) must be removed by suction.

An external sight glass provides a visual indication of the third stage sediment level and when removal is required.



The Fine Particulate Filter Trap is fitted with quick release connections to allow the trap to be easily disconnected from the plumbing. Rolling wheels allow the Filter Trap to be relocated for cleaning



Pumping Solutions

All MACTRAP Filter Traps can be supported by pumping solutions, above ground, inground, internal or external. Pumping solutions facilitate the installation of commercial operations in basements or support inground Filter Traps where the waste water outlet is below the sewer line.



Contact MACTRAP for more details.

