

MAS Series Oil-Water Separators

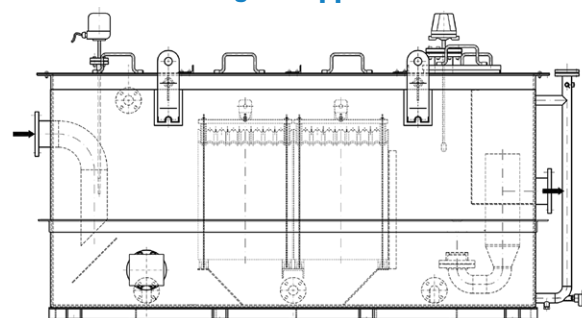
MAS Series vaults provide robust, dependable oily water treatment across a wide range of applications.

Standard Features

- Feature MPak™ coalescing plates for high-efficiency oil-water separation
- Robust construction for both above and below ground installations
- Advanced monitoring and alarm capabilities available for regulatory compliance and peace of mind
- Customizable to meet unique site and process requirements
- EN-858-1 Certified

Optional Features

- Adjustable Oil Skimmers
- Oil Level Monitoring
- Performance Monitoring
- Oil Storage Tank and Control System
- Safety Closure Device on Outlet
- Inlet Heating
- Control Panel
- Single- or Double-walled with Leak Detection
- Integral Sludge Trap



Standard Design Parameters

	5	10 ¹	15 ²
Effluent PPM			
Flow Rate	50 gpm (12 m³/h)	65 gpm (15 m³/h)	60 gpm (14 m³/h)
Influent PPM	200	100	200
Minimum Oil Droplet Size Fully Removed	60 µm	60	48
Mean Oil Droplet Size	130	130	130
Specific Gravity of Oil	0.88	0.88	0.85
Temperature of Operation	50 °F (10 °C)	50 °F (10 °C)	60 °F (15 °C)
Oil Droplet Rise Rate	0.035	0.035	0.033
Oil Droplet Distribution	Log-Normal with Standard Deviation of 2.0		

1. Design Specifications per the Washington State Department of Ecology Requirements
2. Design Specifications per the California Control Board Requirements

Specifications

Performance	<5 ppm oil in effluent
Primary Target Pollutant	Fuels and Oils
Secondary Target Pollutant	Suspended Solids
Design Flow Rates	Up to 540 m³/h Up to 250 gpm
Tank Inlet Feed Methods	Gravity-fed or Pump-fed
Materials of Construction	Epoxy Coated Carbon Steel or Concrete
Inlet/Outlet Connections	ANSI 150# RF
Vent/Overflow Connections	2" ANSI 150# RF
Oil Skimmer Outlet Connections*	2" ANSI 150# RF
Drain Outlet Connections (Min. of 3)	2" ANSI 150# RF
Inlet Heater Connection*	5" ANSI 150# RF
Level Transmitter*	3" ANSI 150# RF
Temperature Switch*	3" ANSI 150# RF
Oil PPM Probe Connection*	2" ANSI 150# RF
Leak Sensor Connection*	¾" B.S.P.

* Optional

Model #	Flow Rate	Approximate Dimensions			Inlet/Outlet Connections
		L	W	H	
MAS 11.1	15 gpm (57 lpm)	31.5" (800 mm)	39.4" (1000 mm)	39.4" (1000 mm)	4" NPS (100 DN)
MAS 12.1	50 gpm (189 lpm)	31.5" (800 mm)	39.4" (1000 mm)	39.4" (1000 mm)	4" NPS (100 DN)
MAS 22.2	95 gpm (360 lpm)	102.4" (2600 mm)	24.4" (620 mm)	61.5" (1563 mm)	6" NPS (150 DN)
MAS 32.3	180 gpm (681 lpm)	161.4" (4100 mm)	36.6" (930 mm)	61.5" (1563 mm)	6" NPS (150 DN)
MAS 42.3	240 gpm (909 lpm)	162.2" (4120 mm)	49.0" (1244 mm)	61.5" (1563 mm)	8" NPS (200 DN)
MAS 52.2	300 gpm (1136 lpm)	126.8" (3220 mm)	61.0" (1550 mm)	72.4" (1838 mm)	8" NPS (200 DN)
MAS 35.1	475 gpm (1798 lpm)	106.7" (2710 mm)	36.6" (930 mm)	110.2" (2800 mm)	10" NPS (250 DN)
MAS 45.1	600 gpm (2271 lpm)	111.6" (2835 mm)	48.8" (1240 mm)	110.2" (2800 mm)	12" NPS (300 DN)
MAS 55.1	800 gpm (3028 lpm)	111.6" (2835 mm)	61.0" (1550 mm)	110.2" (2800 mm)	12" NPS (300 DN)
MAS 75.1	1000 gpm (3785 lpm)	146.9" (3730 mm)	85.0" (2160 mm)	110.2" (2800 mm)	12" NPS (300 DN)
MAS 76.1	1200 gpm (4543 lpm)	111.6" (2835 mm)	85.0" (2160 mm)	122.0" (3100 mm)	12" NPS (300 DN)
MAS 75.2	1585 gpm (6000 lpm)	174.0" (4420 mm)	85.0" (2160 mm)	112.2" (2850 mm)	12" NPS (300 DN)
MAS 76.3	1980 gpm (7495 lpm)	200.8" (5100 mm)	85.0" (2160 mm)	120.1" (3050 mm)	16" NPS (400 DN)
MAS 96.2	2300 gpm (8706 lpm)	174.0" (4420 mm)	109.1" (2770 mm)	120.1" (3050 mm)	16" NPS (400 DN)

Flow rates and sizing may vary depending upon customer design parameters. Contact us for a custom quote.

MPAK™ CLEANING WAND

MPak™ plates are designed for low-maintenance operation. The MPak™ Cleaning Wand makes routine cleaning simple and fast, allowing you to remove accumulated solids directly in place without system disassembly. This efficient cleaning process ensures peak performance with minimal downtime.

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www.facetfiltration.com | facet@facetfiltration.com