

MAS Series Steel Construction



MAS Series, Facet Coalescent Plates Separators are designed to treat hydrocarbon water. These separators can be fed by gravity or pumped. These separators carry out separation by physical means, do not require consumables and have no mobile parts, therefore no maintenance is needed and its operation is free of failures. Doubly Corrugated Coalescent Plates FACET MPak[®] are installed inside of separators.

These Plates are mounted in modular packs and provided with an adjust device against the vessel that secures that all the flow to be treated goes through the Plates. Optimal working range temperature of Plate Packs MPak[®] is 4 to 98 °C (40 to 208 °F). Each separator of the MAS Series can be equipped with adjustable skimmers to withdraw separated hydrocarbons. Optionally, they can also be provided with a storage chamber to accumulate separated hydrocarbons.

STANDARD FEATURES

- Access covers for easy adjustment of oil skimmers
- Epoxy coating interior and exterior
- MPak[®] plate packs: frame in steel and plastic hardware media is oleophilic polypropylene
- Clean plate packs in place -no need to remove from unit
- Solids collection connections built into all units.
- 3/4", 1/4" or 1/2" MPak[®] coalescing plate spacing
- Computerized effluent predictions for accurate sizing
- Skid in carbon steel
- Safety closure device in the outlet

ENGINEERING SPECIFICATIONS

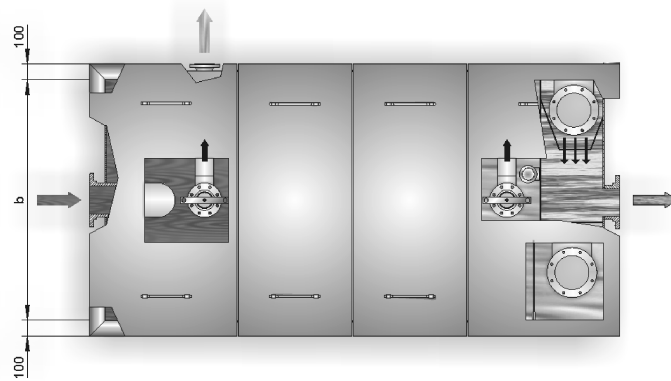
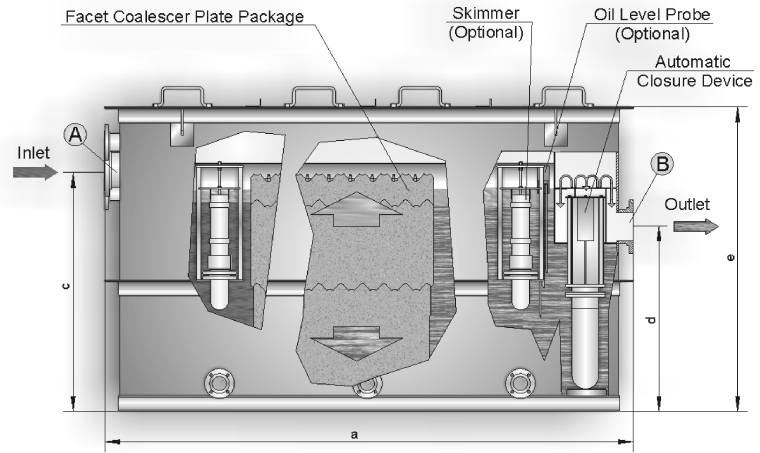
- Flanges: ANSI B16.5
- Material of construction: carbon steel
- Separator hydrostatically tested for 1/2 hour
- Welding in accordance with the latest edition of A.W.S.

STANDARD CONNECTIONS

- Inlet and outlet: 150# R.F.S.O.
- Solids cleanout: 150# R.F.S.O.
- Drain: 150# R.F.S.O.
- Heater: 2 1/2" NPT coupling (heaters optional)

OPTIONS

- Two adjustable oil skimmers
- Oil storage tank
- Oil pump control station: includes pump and motor, control panel, high and low level float switches
- Immersion heater: Available in various ratings
- Gasketed covers



MODEL	FLOW RATE (lpm)	WEIGHT (kg)	DIMENSIONS (mm)					NOZZLES	
			a	b	c	d	e	A (inlet)	B (outlet)
MAS 22-1	227-379	1052	2770	630	1320	860	1620	DN150	DN150
MAS 22-2	227-379	1323	3380	630	1320	860	1620	DN150	DN150
MAS 22-3	227-379	1601	3990	630	1320	860	1620	DN150	DN150
MAS 32-1	340-568	1449	2770	930	1320	860	1620	DN150	DN150
MAS 32-2	340-568	1824	3380	930	1320	860	1620	DN150	DN150
MAS 32-3	340-568	2170	3990	930	1320	860	1620	DN150	DN150
MAS 52-1	568-946	1784	2770	1540	1470	1010	1780	DN150	DN150
MAS 52-2	568-946	2314	3380	1540	1470	1010	1780	DN150	DN150
MAS 52-3	568-946	2841	3990	1540	1470	1010	1780	DN150	DN150
MAS 53-1	852-1419	2105	2770	1540	1650	1140	2030	DN200	DN200
MAS 53-2	852-1419	2698	3380	1540	1650	1140	2030	DN200	DN200
MAS 53-3	852-1419	3290	3990	1540	1650	1140	2030	DN200	DN200
MAS 64-1	1363-2271	3463	2770	1850	1980	1420	2440	DN250	DN250
MAS 64-2	1363-2271	4402	3380	1850	1980	1420	2440	DN250	DN250
MAS 64-3	1363-2271	5344	3990	1850	1980	1420	2440	DN250	DN250
MAS 74-1	1590-2650	3845	2770	2150	1980	1420	2440	DN250	DN250
MAS 74-2	1590-2650	4869	3380	2150	1980	1420	2440	DN250	DN250
MAS 74-3	1590-2650	5893	3990	2150	1980	1420	2440	DN250	DN250
MAS 75-1	1987-3312	4150	2770	2150	2280	1730	2740	DN250	DN250
MAS 75-2	1987-3312	5298	3380	2150	2280	1730	2740	DN250	DN250
MAS 75-3	1987-3312	6447	3990	2150	2280	1730	2740	DN250	DN250
MAS 76-1	2385-3974	4547	2770	2150	2610	2000	3150	DN300	DN300
MAS 76-2	2385-3974	5847	3380	2150	2610	2000	3150	DN300	DN300
MAS 76-3	2385-3974	7146	3990	2150	2610	2000	3150	DN300	DN300