



Facet MAS Series oil water separators are designed to treat hydrocarbon water both by gravity or pumping. These units perform the separation by physical means, do not require any consumables and have no mobile parts, so no maintenance is needed and their operation is free of failures.

Inside are housed the coalescing doubly corrugated plates Facet MPak®, which are supplied in modular packages installed within the separators together with an adjustment device which ensures that all of the fluid to be treated flows through the plates.

Each MAS Series oil water separator can be equipped with an oil storage chamber and/or with adjustable skimmers for removing the 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
- ¾", ¼" or ½" MPak® coalescing plate spacing
- Computerized effluent predictions for accurate sizing
- Skid in carbon steel

### Engineering Specifications

- Flanges: ANSI B16.5
- Material of construction: carbon steel
- Hydrostatically tested for ½ hour
- Welding in accordance with the latest edition of A.W.S.

### Standard Connections

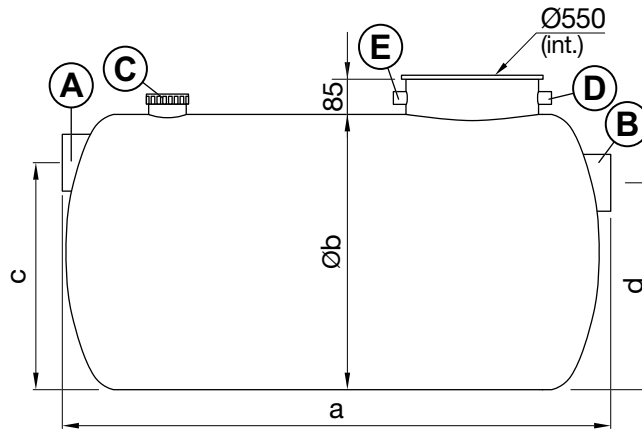
- Inlet and outlet: 150# R.F.S.O.
- Solids cleanout: 150# R.F.S.O.
- Drain: 150# R.F.S.O.
- Heater: 2 ½" NPT coupling (heaters optional)

### Options

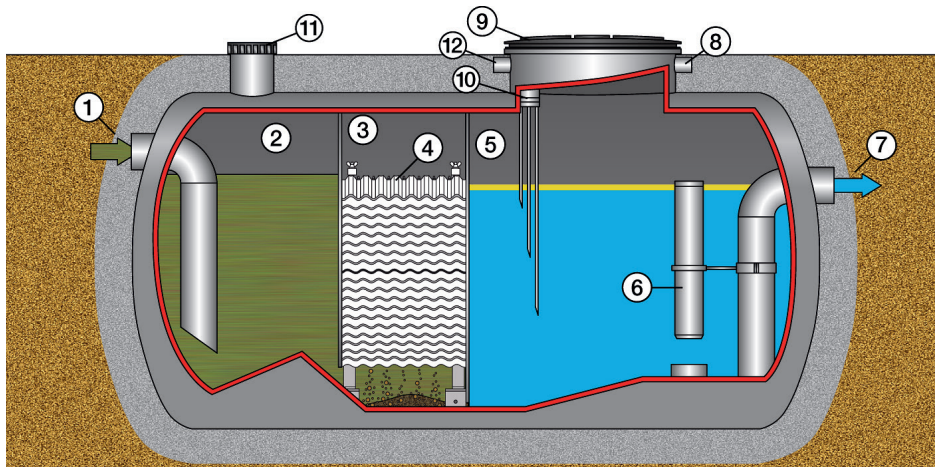
- Two adjustable oil skimmers for oil removal
- Safety closure device in the outlet
- Oil storage tank
- Oil pump control station: includes pump and motor, control panel, high and low level float switches
- Immersion heater: Available in various ratings
- Gasketed covers
- Access ladder
- Handrail

# MAS Series

## Oil Water Separators - GFRP Construction



| MODEL       | Q   | a    | Øb   | c    | d    | WEIGHT | V     | A   | B   | C       | D  | E  |
|-------------|-----|------|------|------|------|--------|-------|-----|-----|---------|----|----|
|             | l/s | mm   | mm   | mm   | mm   | kg     | l     | DN  | DN  | DN/(mm) | mm | mm |
| MAS-11.1-GF | 1.5 | 2330 | 1000 | 895  | 815  | 140    | 1830  | 110 | 110 | 90/(80) | 25 | 25 |
| MAS-12.1-GF | 3   | 2330 | 1000 | 895  | 815  | 140    | 1830  | 110 | 110 | 90/(80) | 25 | 25 |
| MAS-13.1-GF | 6   | 2330 | 1000 | 895  | 815  | 150    | 1830  | 160 | 160 | 90/(80) | 25 | 25 |
| MAS-23.1-GF | 10  | 2330 | 1300 | 1170 | 1090 | 260    | 3100  | 160 | 160 | 90/(80) | 40 | 25 |
| MAS-24.1-GF | 15  | 2460 | 1600 | 1450 | 1350 | 330    | 4950  | 200 | 200 | 90/(80) | 40 | 25 |
| MAS-25.1-GF | 20  | 2460 | 1600 | 1450 | 1350 | 340    | 4950  | 200 | 200 | 90/(80) | 40 | 25 |
| MAS-35.1-GF | 30  | 2590 | 2000 | 1825 | 1700 | 470    | 8100  | 250 | 250 | 90/(80) | 40 | 25 |
| MAS-45.1-GF | 40  | 2760 | 2400 | 2200 | 2050 | 720    | 12500 | 315 | 315 | 90/(80) | 40 | 25 |
| MAS-55.1-GF | 50  | 2760 | 2400 | 2200 | 2050 | 750    | 12500 | 315 | 315 | 90/(80) | 40 | 25 |



| ITEM | DESCRIPTION                            |
|------|--|
| 1    | Inlet                                  |
| 2    | Inlet chamber                          |
| 3    | Plate chamber                          |
| 4    | MPak® plates                           |
| 5    | Outlet chamber                         |
| 6    | Automatic closure device               |
| 7    | Outlet                                 |
| 8    | Vent connection                        |
| 9    | Manhole                                |
| 10   | Oil level probe (optional)             |
| 11   | Solids removal connection (with cover) |
| 12   | Connection for oil level probe wiring  |

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