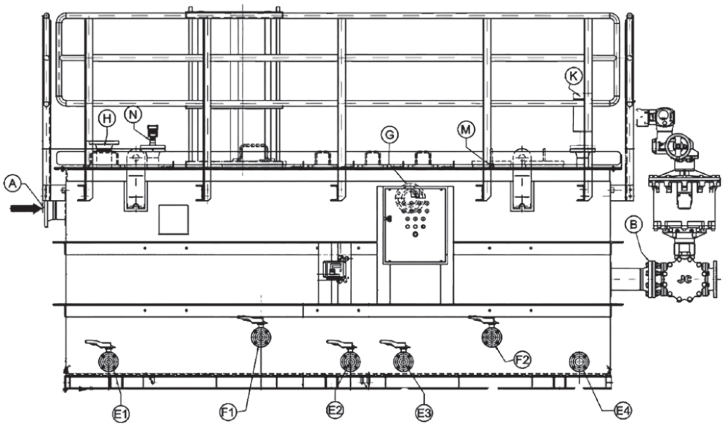
Donaldson
Facet™

Pollution Prevention System
Oil-Water Separator

Our Pollution Prevention Systems deliver reliable, high-performance oily water treatment for critical offshore and marine applications.



Standard Features

- Feature MPak™ coalescing plate technology for high-efficiency oil-water separation
- Performance monitoring and recirculation system
- Water Outlet Condition Alarm
- IMO-approved Oil in Water Analyzer
- 3-Way Motor Operated Valve
- Integral Sludge Trap
- Optional Inlet Heating
- Single-walled or Double-walled with Leak Detection
- Adjustable Oil Skimmers
- Control Panel
- Optional Oil Storage Tank and Control System
- External coating per ISO 12944
- EN-858-1 Certified

Model	Flow Rate	Approximate Dimensions (LxWxH)
MAS 22.22	NS 6	165" x 25" x 62" (4180 x 620 x 1580 mm)
MAS 32.22	NS 10	165" x 37" x 62" (4180 x 930 x 1580 mm)
MAS 42.22	NS 15	165" x 49" x 62" (4180 x 1240 x 1580 mm)

Connections	System		
	MAS 22.22	MAS 32.22	MAS 42.22
Inlet (A)	6" NPS (150 DN)	6" NPS (150 DN)	8" NPS (200 DN)
Outlet (B)	6" NPS (150 DN)	6" NPS (150 DN)	8" NPS (200 DN)
Oil Skimmer Outlet (2) (C)	2" NPS (50 DN)	2" NPS (50 DN)	2" NPS (50 DN)
Drain Oulets (Min. of 3) (D)	2" NPS (50 DN)	2" NPS (50 DN)	2" NPS (50 DN)
Vent (E)	4" NPS (100 DN)	6" NPS (150 DN)	8" NPS (200 DN)
Overflow (F)	4" NPS (100 DN)	6" NPS (150 DN)	8" NPS (200 DN)
Oil Level Sensor (G)	¾" NPS (20 DN)	¾" NPS (20 DN)	¾" NPS (20 DN)
Level Transmitter (H)	4" NPS (100 DN)	4" NPS (100 DN)	4" NPS (100 DN)
Oil PPM Probe (I)	3" NPS (75 DN)	3" NPS (75 DN)	3" NPS (75 DN)
Temperature Switch*	3" NPS (75 DN)	3" NPS (75 DN)	3" NPS (75 DN)
Leak Detector*	½" NPS (15 DN)	½" NPS (15 DN)	½" NPS (15 DN)

All connections are ANSI 150# RF. *Not pictured in diagram.

Specifications	
Performance	<15 ppm oil in effluent
Primary Target Pollutant	Fuels and Oils
Secondary Target Pollutant	Suspended Solids
Design Flow Rates	NS1 - NS 15 15 gpm - 250 gpm
Tank Inlet Feed Methods	Gravity-fed or Pump-fed
Materials of Construction	Carbon Steel or Stainless Steel AISI-316L
Ambient Temperature Range	-4 °F / +95 °F (-20 °C / +35°C)
Power Supply Requirement	480V / 3PH / 60 Hz
Controls	Manual Start/Stop Control NEMA 4 Enclosure

Standard Design Parameters	
Influent PPM	1000
Minimum Oil Droplet Size Fully Removed	50 µm
Mean Oil Droplet Size	195
Specific Gravity of Oil	0.84
Temperature of Operation	60 °F (15 °C)

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.

DONALDSON COMPANY, INC.

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