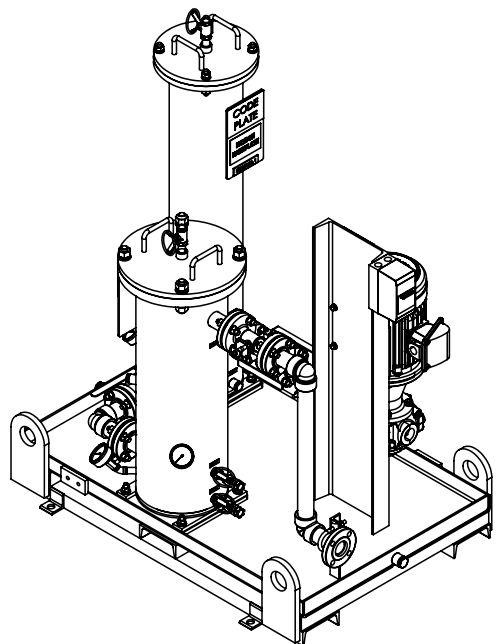


MS Series

Recirculation Skid

DIESEL PURIFICATION SYSTEMS



Ideal Solution for Continuous Fuel Polishing

The MS Series Recirculation Skid combines particulate removal and water separation to remove 100% of damaging water and maintain fuel cleanliness far exceeding industry standards.

This packaged solution uses an integrated pump to continuously polish bulk storage tanks, ensuring fuel life and protecting critical engine components.

Specifications

Performance (Single-Pass)	ISO Cleanliness: 15/13/11 Water Removal: 100% removal of free and emulsified water
Fluid Compatibility	#2 Diesel Bio-Diesel Blends (< B20) ¹ Hydrotreated Vegetable Oil (HVO)
Design Flow Rates	10 gpm / 38 lpm 30 gpm / 113 lpm
Part Numbers	MS-10-CG (10 gpm) MS-30-CG (30 gpm)
Design Pressure	150 psi / 10.3 Bar
Approximate Dimensions (in)	48 L x 35 W x 55 H
Approximate Weight (lbs.)	Dry: 925 Full: 1100
Materials of Construction	Carbon Steel Buna-N Seals
Exterior Coating	C4 Classification Paint (ISO 12944)
Interior Coating	Epoxy
Vessel Design	ASME Sec. VIII, Div. I
Inlet Connection	1 1/2" NPT
Outlet Connection	1 1/2" RF Flange
Pressure Gauge Ports	1/4" NPT
Drain Valve (Prefilter)	3/4" NPT
Drain Valve (Coalescer)	1/2" NPT
Water Drain:	Manual Ball Valve
Water Level Detection:	Visual Water Level Sight Glass
Pump Motor	10 gpm: 1.5 HP / 460VAC 30 gpm: 5 HP / 460VAC
Controls	Manual Start/Stop control NEMA 4 Enclosure

Elements

Type	PN	Ø (in)	Length (in)	$\beta_{\mu} \geq 1000$	Qty	
					10 gpm	30 gpm
Pre-filter	KM6018-02	6	36	4.2	1	1
Coalescer	CI-3520P	3.5	20	-	1	3
Separator	36W91	4	20	-	1	3

Optional Features

- Automatic Air Relief Valve
- Automatic Pressure Relief Valve
- Programmable Logic Controller with touch screen HMI
- Inlet/Outlet sample ports with isolation valve
- Variable Frequency Drive
- Higher design pressures and flow rates available upon request

1. For Bio-Diesel blends, flowrates and performance may be reduced. Contact Kaydon for more details.
2. Actual dimensions to be confirmed with customer approval drawing.



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