

KL100

Data Sheet & Order Code

Order Code	
0	0 = 460VAC/60Hz/3PH
	1 = 575VAC/60Hz/3PH (optional)
	2 = 380VAC/50Hz/3PH (optional)
1	0 = enclosures—NEMA12 (control panel) NEMA1 (heater)
	1 = weatherized—NEMA 4—both control panel and heater (optional)

Order Code Example: KL100

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Skid Size / Weight	91" L (2311 mm) x 80" W (2032 mm) x 85" H (2159 mm) 6100 lbs. (2767 kg) (dry)
Inlet / Outlet Connections	3" (76.2 mm) — 150# RF Flange 2" (50.8 mm) — 150# RF Flange
Strainer Mesh	30 mesh (595 micron)
Motor	10 hp (7.46 kw) / 1745 rpm / TEFC
Pump	100 gpm (378.5 lpm) (maximum flow rate) Positive Displacement — Gear (relief set at 90 psig (6.3 kg/cm ²))
Heater	75 kw / watt density = 23 w/in. ² (3.6 w/cm ²) — NEMA 1 Enclosure
Prefilter Element	K1100 (5 micron / quantity = 1) Rating: 99.9% — per ISO 16889 micro-fiberglass filter media, rust preventative end caps and support tubes, nitrile gaskets, collapse rating = 100 psid (7 kg/cm ² differential)
Coalescer Element	K2100 (quantity = 10) — 1st stage water removal (5 micron @ 99.9%)
Separator Element	K3100 (quantity = 9) — 2nd stage water removal (4 micron @ 99.9%)
Controls Interface	K-Touch® Technology (NEMA 12 Control Panel)
Safety Shutdown Alarms	Low Flow Switch — system shutdown if flow rate is less than 15 gpm (56.8 lpm) Vacuum Switch — system shutdown if pump suction reaches 12" Hg (305 mm) Hi-Temp Switch — system shutdown if heater temperature = 180°F (82.2°C)
Filter Vessels	Carbon Steel ASME Code Vessels (150 psig @ 250°F / 10.5 kg/cm ² @ 121°C) Utilizing heavy duty element standpipes and knife-edge element sealing surfaces
Operating Voltage / Amp Draw	(460 VAC / 60 Hz / 3 PH) / 120 amps
Controls	Operation — Start & Stop Command Window, plus Emergency STOP button Flow Control — automatically changes flow rate with changes of oil temperature Flow Range = 20 – 100 gpm
System Gauges & Indicators	
Automatic Water Drain	

OPTIONS

Performance

Operating Voltage

Weatherized

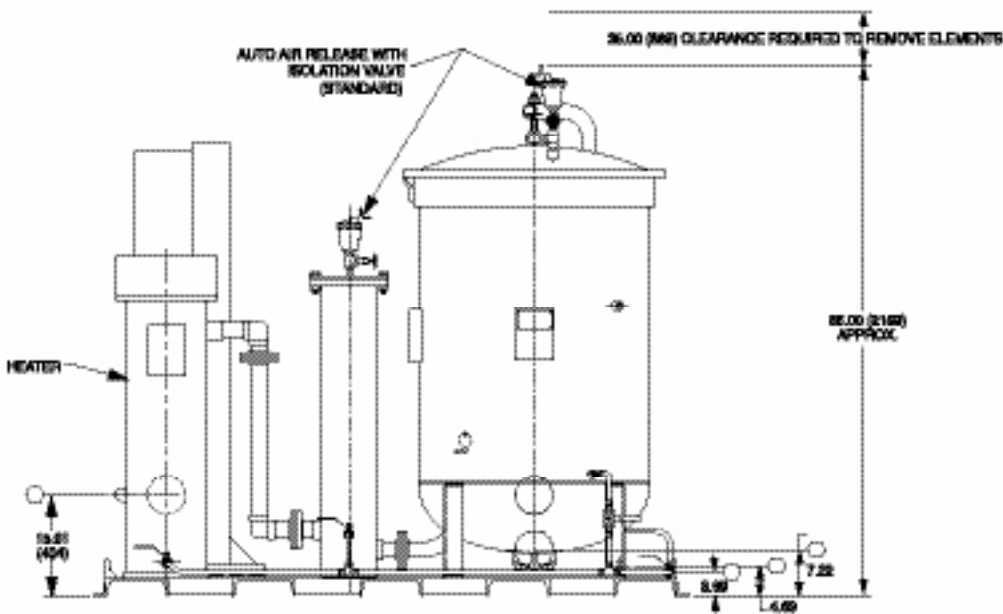
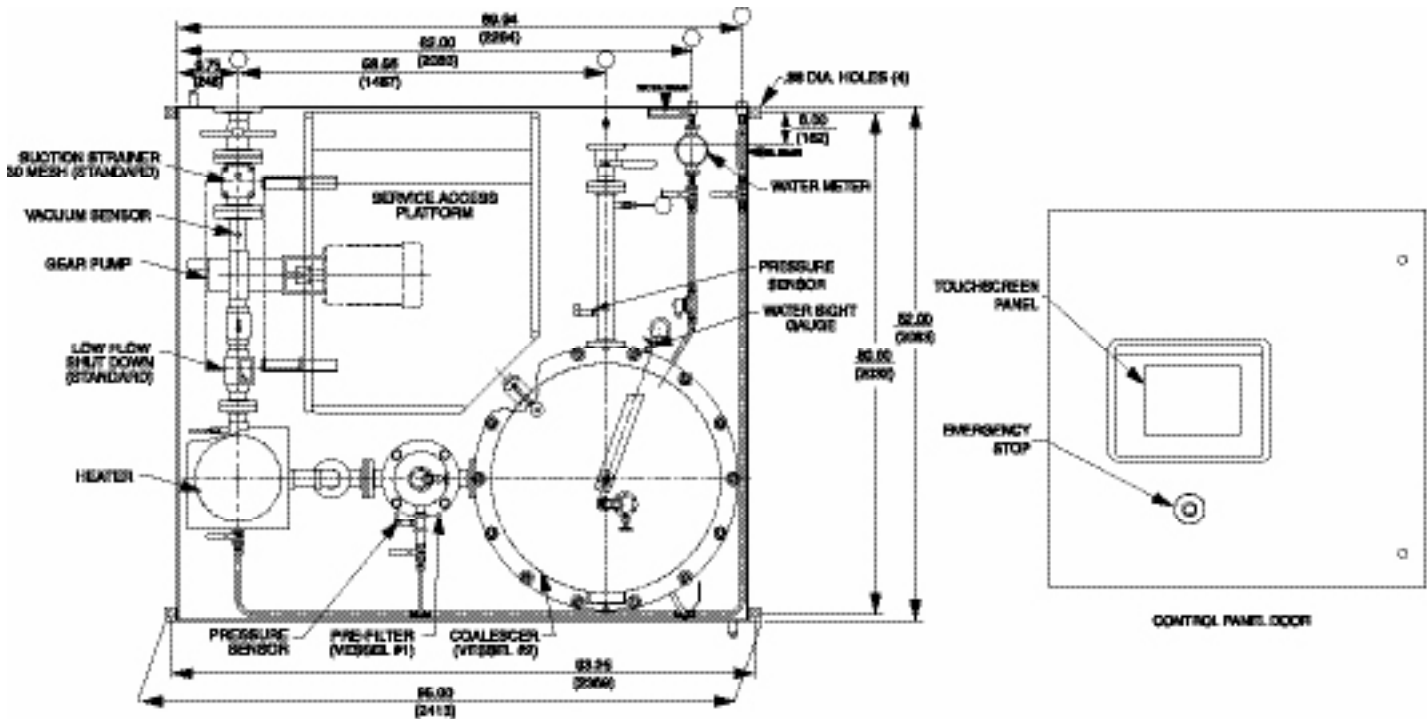
Outline Drawing,
Flow Schematic, and
Wiring Diagram
available upon request.



Kaydon Custom Filtration Corporation

KL100

CAD Drawing



ISO 9001:2000



Certificate No.: 002232



Kaydon Custom
Filtration Corporation

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