



CLEAN OIL
BRIGHT IDEAS

Marine Lube Oil Purifier

for Main & Auxiliary Engines, 4- and 2-stroke - meeting OEM requirements

CJC™ Product Sheet

APPLICATION

The CJC™ Marine Lube Oil Purifier provides owners, operators and crews with a simple, cost effective and efficient method for maintaining LO quality, meeting OEM lube oil cleanliness requirements.

BENEFITS

The CJC™ Marine Lube Oil Purifier is a reputed solution for maintaining LO quality. The purifier is installed off-line, similar to for example a centrifuge, except all aspects of installing, operating and maintaining are much more simple. The CJC™ Marine Lube Oil Purifier can be installed on both 4- and 2 stroke engines. Our credibility and heritage goes back more than 6 decades, but the principle of operation remains the same, except the fitted pump now provides clean oil 24/7/365. Furthermore, with the new line-up and selection of inserts we can deal with higher flows, better cleanliness, with lower consumption of filter inserts and can therefore be fitted on bigger engines than before.

The CJC™ Marine Lube Oil Purifier provides for a filtration rating of 3/0,8 micron, regardless of density. Furthermore, the purifier absorbs any condensed water and removes varnish.

Our research is focused on the performance of the inserts, and this has enabled filter units capable of matching the turnover requirement from the engine manufacturers.

By installing CJC™ Marine Lube Oil Purifier the sludge production is eliminated and in most cases, so is heating. If heating of the sump is desirable, this is catered for by a separate heating unit. On our new compact units with screw type pump and frequency control, the pump can be detached and placed at a suitable location at a lower deck. The control box is designed for bulkhead mounting, but can be mounted on the purifier itself. The same simple principle as always, but with an integrated flexibility to suit your requirements for engine room design.

WHY

- No sludge
- Reduced LO consumption
- Easy installation
- Easy operation
- Easy maintenance
- Smart design
- Proven track record
- Small footprint
- Density independent
- High dirt capacity
- Reduced wear on parts
- Lower emissions

PAYOUT

Whether for retrofit or newbuilding, the CJC™ Marine Lube Oil Purifier will have earned itself within the first year of operation, compared to other means of cleaning the lube oil.

If installed on newbuildings, the savings on related installation costs compared to other means of cleaning the lube oil is substantial. The CJC™ Marine Lube Oil Purifier is uncomplicated to maintain, so vessel crew will not only benefit from operating the unit without much maintenance, also the vessel owner will experience reduced operational costs for maintaining lube oil clean and dry.

HOW

The CJC™ Marine Lube Oil Purifier can deliver 500-3000 l/h of clean, dry lube oil, enabling operation on very large engines. With a filtration rating of 3/0,8 micron and removal of water and varnish/soot, the CJC™ Filter Inserts reduce the wear on engine parts. The simple design means easy maintenance and uncomplicated operation without sludge production. Being, in principle, an off-line solution, the quality of lube oil is unparalleled.



*The CJC™ Marine Lube Oil Purifier
27/54, 3 stay version*

	Dim.	CJC™ Marine Lube Oil Purifier	
		From	To
Pump flow/hour (std.)	ltr/gal	500/132	3000/793
Inverter operation		Down to approx. 20% of std. flow	
Power consumption, ave.	kW	0.18-0.90	
Pump type		screw spindle	
Pump inlet pressure, max	bar/psi	2.0 / 29	
Pressure control		pressure switch & internal by-pass in pump	
Pressure drop, max	bar/psi	1.8 / 26	
Design pressure, filter	bar/psi	4 / 58	
Filter Inserts, 27/27	pcs.	2-6	
Weight, net	kg/lb	121/267	193/426
Weight, operating, wet & w/o control box	kg/lb	155/342	305/672
Weight, control box	kg/lb	30/66	
Temp. oil, max *)	°C/°F	60/140	
Temp. ambient, max	°C/°F	45/113	
CAPABILITIES			
Dirt holding capacity approx.	ltr/gal	9/2.4	54/14.4

OPTIONS

Preheater, separate pump skid, control cabinet mounted on filter, drain tank.

The CJC™ Marine Lube Oil Purifier is available in multiple sizes for the individual purpose with 1-3 filter stays and 2-12 filter inserts.



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OPERATIONAL FEATURES

- Compact design
- All steel design
- Skid type unit/ drip pan
- Logic control Unit
- LCD display
- Frequency controlled pump
- Back-pressure control option
- Flow matches OEM requirements*)
- Screw type pump
- Detachable pump and bracket*)
- Separate control cabinet*) or integrated control cabinet
- Separate pre-heater unit*)
- Tank mounted optional*)
- Fixed inlet/outlet connection
- Preheater unit matches connections
- Remote start/stop
- Inlet/outlet pressure
- Inlet/outlet shut off valves
- Step file drawings
- Centre of gravity data
- Class approval

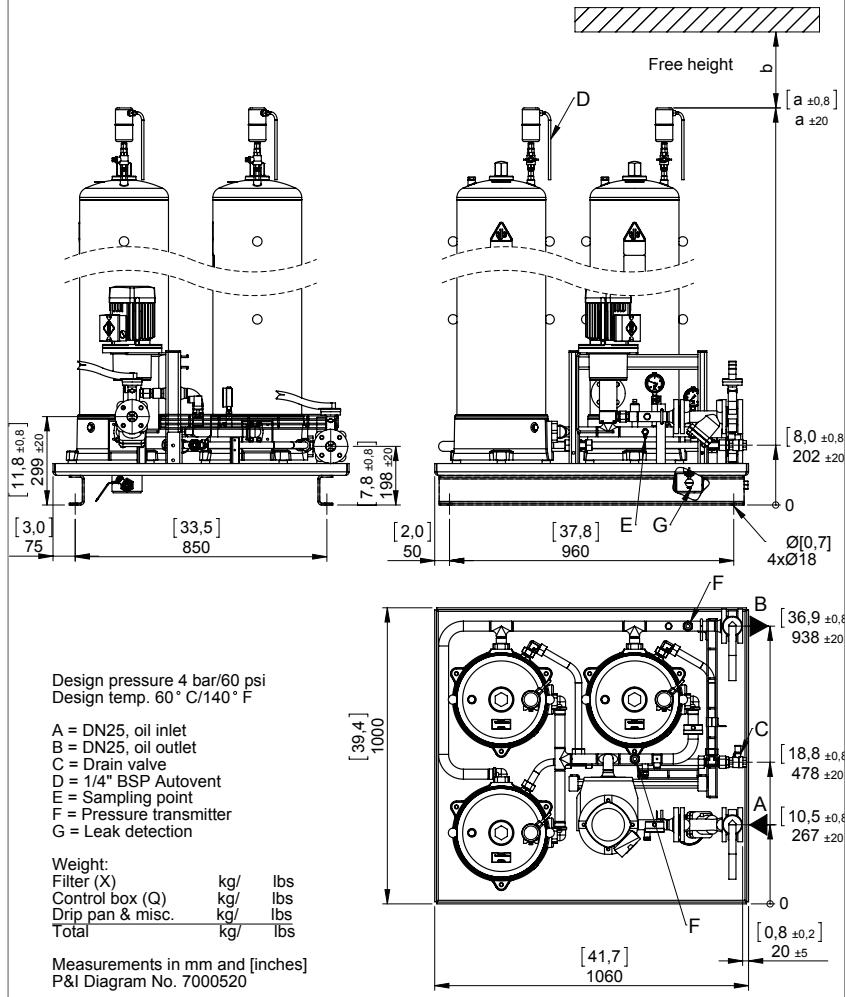
*) optional features,
to be stated upon ordering

SAFETY FEATURES

- Alarm for leak detection
- Remote stop/ESD

DIMENSIONS

FA9601322-XYZQ



INSTALLATION PRINCIPLE

