



# Lube Oil Purifier 27

for 2- & 4-stroke diesel engines

## Product Sheet

### APPLICATION

**CJC® Lube Oil Purifier 27** series is tailored for lube oil offline cleaning on medium and high speed 4-stroke and on low speed 2-stroke diesel engines.

### BENEFITS

The CJC® Lube Oil Purifier 27 is a compact unit prepared for easy installation on new-buildings and retrofitting in existing installations as well. As standard, the unit is supplied with a detachable pump module controlled by the CJC® Flow Drive control system.

The oil filter system is installed offline, similar to, for example, a centrifuge, except all aspects of installing, operating and maintaining are much more simple. The pump module features installation of the filter unit in the purifier room while the pump module can easily be remotely located close to the lube oil tank.

The CJC® Flow Drive<sup>1)</sup> features automatic adjustment of the cleaning capacity to ensure efficient and economic cleaning and maintenance of the main lubricating oil system.

Along with the *genuine* CJC® Filter Inserts **LOX**, **L04D** or **L04R**, the CJC® Flow Drive facilitates continuous and uncomplicated operation both when engine is running and when engine is stopped or in standby condition.

Extensive field trials have proved >98% availability of the filter system and fulfilment of OEM and owners lube oil condition requirements

### ROI POINTS

- Reduced engine SLOC [g/kWh]
- Energy savings in the range of 95% - 98% hold against traditional offline lube oil cleaning equipment
- 99% lube oil sludge reduction

### BENEFITS

- Continuous cleaning 24/7/365
- Availability > 98%
- Easy to operate
- Uncomplicated maintenance
- No uncontrolled lube oil waste to sludge

### SIMPLICITY

- Mounted on drip pan with all controls
- Separate pump module
- No need for sludge system
- No need for pre-heater and pre-heater control equipment
- No need for treated water or pressurized service air

### QUALIFICATIONS

- Fulfills relevant statutory rules along with class society regulations
- Verified and design approved by major class societies
- Validated by major engine makers

### OPTIONS

Preheater, separate pump skid, control box mounted on filter, drain tank. The CJC® Lube Oil Purifier 27 is available in multiple sizes for the individual purpose with 2-12 Filter Inserts.

<sup>1)</sup> Patent pending



The CJC® Lube Oil Purifier 27 size 27/54, 3 stay



The genuine CJC® Filter Inserts **LOX**

The genuine CJC® Filter Insert **L04D**

The genuine CJC® Filter Insert **L04R**

### SPECIFICATIONS

CJC® Lube Oil Purifier 27		
Ambient temperature, max.	°C/°F	45 / 113
Design temperature, filter	°C/°F	120 / 250
Design pressure, filter	bar/psi	7 / 102

### APPLICABLE FILTER INSERTS

CJC® Filter Insert	Fuel type	Article no.
2 x LOX 27/27	All	PA5601315
L04D 27/27	MDO/MGO	PA5602320
2 x L04R 27/27	HFO	PA5602311



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### OPERATIONAL FEATURES

- Compact design
- All steel design
- Skid type unit/ drip pan
- Logic control Unit
- LCD display
- Frequency controlled pump
- Flow matches OEM requirements
- Screw type pump
- Detachable pump and bracket
- Separate control box or integrated control box
- Separate pre-heater unit
- Fixed inlet/outlet connection
- Clamp-on preheater unit
- Remote start/stop
- Inlet/differential pressure
- Inlet/outlet shut off valves
- Step file drawings
- Centre of gravity data
- Class approval upon request

### SAFETY FEATURES

- Alarm for leak detection
- Remote stop/ESD

### DIMENSIONS

#### FA9601322-XYZQ

X	Filter size	a mm/[inches]	b mm/[inches]
2	27/54	1080/[42.5]	575/[22.6]
3	27/81	1350/[53.2]	845/[33.3]
4	27/108	1615/[63.5]	575/[22.6]

	Dim.	CJC® Lube Oil Purifier 27	
		From	To
<b>Pump flow/hour (std.)</b>	ltr/gal	200 / 50	2000 / 500
<b>Power consumption, ave.</b>	kW	0.18-0.90	
<b>Pump type</b>		screw spindle	
<b>Pump inlet pressure, max</b>	bar/psi	2.0 / 29	
<b>Pressure control</b>		pressure switch	
<b>Pressure drop, max</b>	bar/psi	1.8 / 26	
<b>Design pressure, filter</b>	bar/psi	7 / 102	
<b>Weight, net</b>	kg/lb	121 / 267	193 / 426
<b>Weight, operating, wet &amp; w/o control box</b>	kg/lb	155 / 342	305 / 672
<b>Weight, control box</b>	kg/lb	30/66	

### INSTALLATION PRINCIPLE

