

# CJC® Lube Oil Filter for 2-stroke

Low speed crosshead diesel engines up to 20,000 kW

## APPLICATION

The **CJC® Lube Oil Filter for 2-stroke diesel engines** is tailored for cleaning the lube oil on low speed crosshead 2-stroke diesel engines with continuous power rating up to 20,000 kW.

## FUNCTION

This CJC® Lube 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 **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 CJC® Flow Drive, the **genuine CJC® Filter Inserts LOX** facilitate continuous and uncomplicated operation during sea passage, maneuvering and during port stay.

The simplicity of the oil filter and the control system makes it ideal for retrofit installations as well as for new-buildings.

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

## ROI POINTS

- Engine SLOC [g/kWh] is reduced by typically 10-20%
- 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

- No need for heating up the oil before cleaning process
- Easy retrofit and installation
- No need for treated water or pressurized service air
- Small footprint

## QUALIFICATIONS

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

<sup>1)</sup> Patent pending



The CJC® Lube Oil Filter for 2-stroke diesel engines, size 427/81



The genuine CJC® Filter Insert LOX

## SPECIFICATIONS

CJC® LUBE OIL FILTER FOR 2-STROKE DIESEL ENGINES		
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 Inserts	Fuel Type	Article No.
2 x LOX 27/27	All	PA5601315



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## CJC® LUBE OIL FILTER

- Continuous air bypass
- Sample point before filter
- Drain valve
- Pressure gauge
- 50/60 HZ, 3x380-480 VAC

## CJC® FLOW DRIVE (CONTROL PANEL)

### Standard features

- Mains supply disconnecter
- Local start/stop
- Local running indicator
- Filter Insert change indicator
- Pressure and temperature display
- Hour counter
- Automatic stop and alarm at high differential pressure



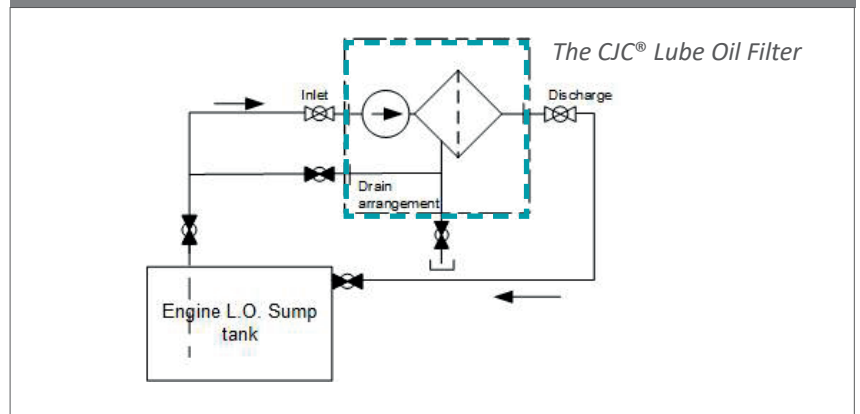
### Optional features

- External run signal
- External common alarm
- Auto restart after power failure (black-out)
- External stop/emergency stop
- Drip pan with leak detection and control box bracket

## SPECIFICATIONS & CAPACITIES

Size	Flow [L/h] / [Gal/h]	Weight [kg] / [lb]	No. of CJC® Filter Inserts LOX x 2	Drawing number
27/108	145- 240 / 38- 64	113 / 249	2	9601351
427/54	240- 300 / 64- 80	223 / 491	4	9601356
427/81	455- 790 / 120- 210	262 / 578	6	9601353
427/108	755- 1510 / 200- 400	304 / 670	8	9601354

## INSTALLATION PRINCIPLE



## DOCUMENTATION

### Statement of Compliance document is standard

- Compliance w. IACS class rules and regulations, including requirements to materials certificate, Class II and III piping, SOLAS requirements, applied standards on steel- and pipe work and welding and welding procedures accepted by Classification Societies.

### Class Approval on request

- Single unit approval certificate including materials certificates and inspection document endorsed by a Classification Society.

