

CJC® Lube Oil Filter for 4-stroke

Medium & high speed trunk diesel engines

APPLICATION

The **CJC® Lube Oil Filter for 4-stroke diesel engines** provides owners and operators with a simple, cost effective and efficient method for maintaining lube oil quality, meeting OEM lube oil cleanliness requirements.

FUNCTION

This CJC® Lube Oil Filter is tailored specifically for cleaning the lube oil on medium & high speed trunk 4-stroke diesel engines. The 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 Drive¹⁾** features automatic adjustment of the cleaning capacity to ensure continuous, efficient and economic cleaning both when engine is running and when kept in stand-by. The CJC® Flow Drive and a series of distinctive *genuine CJC® Filter Inserts LO4D* or *LO4R* make the oil filter ideal for a variability of engine service and load patterns.

With an availability of >98% and the correct choice of CJC® Filter Inserts LO4D or LO4R, the oil filter will satisfy the OEM lube oil condition requirements and normally also increase the lube oil service life and the interval between major overhaul.

ROI POINTS

- Engine SLOC [g/kWh] is reduced by up to 60%
- Energy savings in the range of 80-97% hold against traditional offline lube oil cleaning equipment
- 99% lube oil sludge reduction

BENEFITS

- Increased lube oil service life
- Continuous cleaning 24/7/365 – regardless of engine is running or in stand-by
- 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 and recommended by major engine makers

¹⁾ Patent pending



CJC® Lube Oil Filter for 4-stroke diesel engines size 27/108



The genuine CJC® Filter Insert LO4D



The genuine CJC® Filter Insert LO4R

SPECIFICATIONS

CJC® LUBE OIL FILTER FOR 4-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.
LO4D 27/27	MDO/MGO	PA5602320
2 x LO4R 27/27	HFO	PA5602311



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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 & pump type	Flow [L/h] / [Gal/h]	Weight [kg] / [lb]	No. of CJC® Filter Inserts LO4R or LO4D	Drawing number
27/54- PV	55- 300 / 15- 80	82 / 180	2	9601351
27/81- PV		100 / 220	3	
27/108- PV		120 / 260	4	
27/54- MZ	455- 790 / 120- 210	82 / 180	2	9601352
27/81- MZ		100 / 220	3	
27/108- MZ		120 / 260	4	
427/54- PV	55- 300 / 15- 80	435 / 959	8	9601356
427/81- PV		495 / 1090	12	
427/108- PV		560 / 1230	16	
427/54- MZ	455- 790 / 120- 210	435 / 959	8	9601353
427/81- MZ		495 / 1090	12	
427/108- MZ		560 / 1230	16	
427/54- MZ	755- 1510 / 200- 400	435 / 959	8	9601354
427/81- MZ		495 / 1090	12	
427/108- MZ		560 / 1230	16	
427/54- MZ	1320- 2305 / 350- 610	435 / 959	8	9601355
427/81- MZ		495 / 1090	12	
427/108- MZ		560 / 1230	16	
27/27- PV *)	55- 75 / 15- 20	62 / 137	1	9601359
27/54- PV *)		82 / 180	2	

*) w/o CJC® Flow Drive, only for MGO fueled engines

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.

INSTALLATION PRINCIPLE

