

MAN EcoNozzle

MAN PrimeServ

Fuel savings with the MAN EcoNozzle, the latest addition to the new MAN Eco family designed to provide fuel savings in the entire load range! With this new concept fitted, your engine will have state-of-the-art combustion control.

Potential savings

Fuel savings in the area of 2-7 g/kWh depending on the engine load, which gives a payback time down to 3-5 months.

The MAN EcoNozzle retrofit

The MAN EcoNozzle fits the existing slide fuel valve and replacements can be done during a regular overhaul. The MAN EcoNozzle is a wear part with the same TBO as the original fuel nozzle. It can easily be fitted right away, or when the old fuel nozzle must be changed anyway.

Technical documentation

Required performance and emission data to create the necessary class documentation has been gathered from several test bed trial runs at our licensees. It has been established that the MAN EcoNozzle fulfils the requirements stipulated by MARPOL Annex VI and NO_x Technical Code.

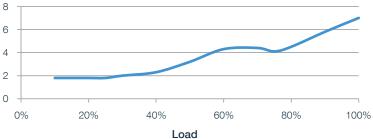
A full retrofit package

The MAN EcoNozzle is a complete retrofit solution. The Scope of Supply contains the new MAN EcoNozzles with spindle guides as well as a new cleaning tool and an amendment to the existing Technical File. Hence, the MAN EcoNozzle package is ready to be installed as a complete retrofit solution!



Fig. 1: MAN EcoNozzle

ΔSFOC g/kWh



MAN EcoNozzle

Better combustion control

The fuel spray pattern has been redesigned to achieve an optimised flame formation and fuel propagation. Furthermore, the combustion control has been redesigned. This means that it is possible to optimise the SFOC, and thereby reduce CO_2 emissions, without increasing NO_{x} emissions beyond the NO_{y} regulations.

Key benefits

- Instant fuel savings in the entire load range - up to 7g/kWh from day one
- Easy installation no engine modification required
- High return on investment
- Full operational flexibility
- Lower CO₂ emissions NOx within regulations
- Easy retrofit of the original wear part
- Significant fuel savings without compromising the emission regulations
- Can be fitted by the crew during normal overhaul
- It is a wear part that must be changed anyway

More information

Scope of supply

- Complete new spindle guide including MAN EcoNozzle
- A new set of cleaning tools for the MAN EcoNozzle
- An amendment to the Technical File

Applicability

- S50MC-C Mark 7/8

Reference list

Sold so far to approximately 40 engines

Retrofit & Upgrades

(Two-stroke) P + 45 3385 1100 retrofit2s@man-es.com

MAN Energy Solutions

MAN PrimeServ Teglholmsgade 41 2450 Copenhagen SV, Denmark P + 45 3385 1100 primeserv-cph@man-es.com www.man-es.com/primeserv improve your specific engine? Then do not hesitate to contact your local MAN PrimeServ office to receive more information about the upgrade!

Would you like to know more about the product, and how the upgrade can

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