

The logo features a stylized orange symbol on the left, resembling a 'W' or a series of vertical bars with a top bar. To its right, the word 'OXE' is written in a large, bold, white sans-serif font, with 'DIESEL' in a smaller, white sans-serif font directly below it.

**OXE**  
DIESEL



**OXE DEFA SYSTEM**

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# OXE DEFA SYSTEM

## FUNCTIONS & TECHNICAL SPECIFICATION

OXE DEFA engine preheating system provides the means to ensure ease of start up and minimize warm up period prior to a working schedule, increasing profitability and effectivity. It also offers protection in extreme cold environments overnight and during downtime via connection to mainland power supply. The compact element fits directly in to the engine block and is designed to ensure maximum surface contact between the element and coolant, thus reducing energy and heat loss. OXE DEFA engine heater reduces wear on the engine, lowers fuel consumption and reduces harmful emissions.

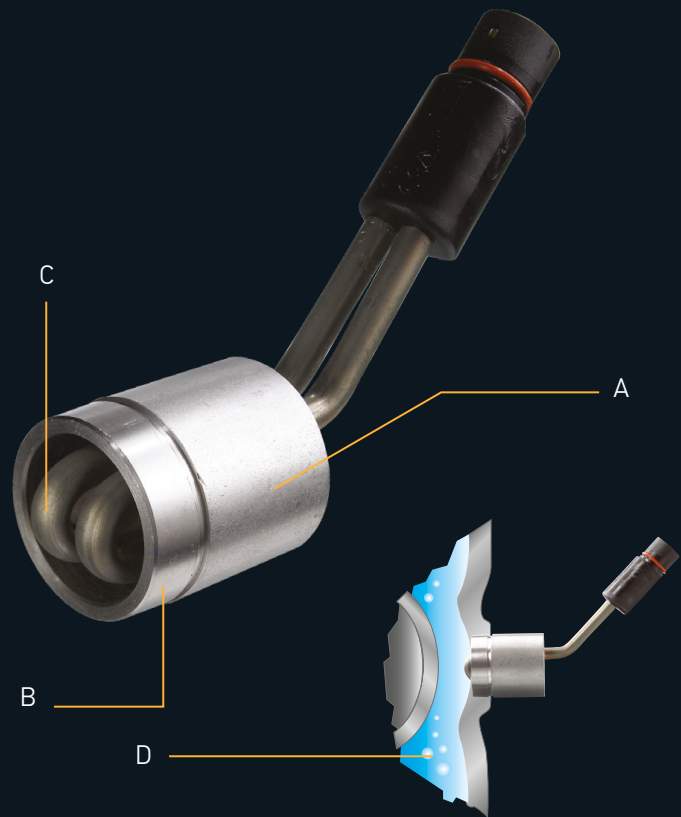
OXE DEFA engine preheating system is fully compatible with the entire DEFA range.



### TECHNICAL SPECIFICATIONS

Voltage:	230 V
Power:	600 W
IP Rating:	IP44

### SAFESTART 100-SERIES



This heater flange (B) is shaped as a cup where it has room for the active part (A) of the heating element. The 100-series heater can be supported with more than one conical diameters (C).

The 100-series heater has been selected for OXE Diesel engines as a perfect combination with the OXE compact water jacket design. (D).

Test made on a medium size engine shows that a 600W 100-serie heater will increase the coolant temperature approx 50°C related to the outdoor temperature when connected in 195 minutes at an outdoor temperature of -17°C or colder. After 195 minutes the system has achieved thermal balance. Longer heating time that 195 minutes at -17°C or colder is energy dissipation. For that reason we recommend you to use a timer. Please look at the product sheet for DEFA SmartStart™ or DEFA Futura.

DEFA AS conforms to the requirements of both ISO 9001- 2008, ISO 14001:2004 and OHSAS 18001:2007. In addition, engine heaters and cables conform to the requirements of ISO/TS 16949:2002.

DEFA AS is tested and approved according to: EMKO-TUB(61), NO 293/91 EN 60225-1, EMKO-TSB(61) NO293A94.



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