



# Fyringsolje Bio 100

## Product description

Fyringsolje Bio 100 is a bio-based heating oil consisting of 100% fatty acid methyl ester (FAME).

## Benefits

Fyringsolje Bio 100 contributes less to the greenhouse effect as the net CO<sub>2</sub>-emission is minimum 50% lower, compared to fossil diesel.

Fyringsolje Bio 100 has excellent lubrication properties that minimise wear in the fuel system.

## Applications

Fyringsolje Bio 100 is an excellent renewable alternative to light heating oil. Hoses, washers and other components that come into direct contact with the product must be approved for the standard NS-EN14214. Check with the burner manufacturer or supplier prior to using the product.

## Storage

All fuels must only be stored in containers approved for storage. To ensure that the product quality is not degraded, containers permeable to light must not be used. When fuel is stored, the risk of growth of microorganisms can be reduced by controlling the containers frequently for water. The storage time for FAME should not exceed 6 months.

## Health, safety and environment

See safety data sheet.

## Specifications.

NS-EN14214

## Article code

20500

## Season qualities

Summer: 1. April to 31. August.

Spring/fall: 1. September to 31. March.

Unless otherwise is agreed, the temperature properties when leaving the main terminal will comply with this table +/- 14 days.



## Fyringsolje Bio 100

Properties	Unit	Requirements (NS-EN14214)
Cetane number	-	min 51,0
Density at 15°C	kg/m <sup>3</sup>	860,0 – 900,0
Sulphur content (mass content)	mg/kg	max 10,0
Flash point	°C	min. 101,0
Viscosity at 40°C	mm <sup>2</sup> /s (cSt)	3,50 – 5,00
Oxidation Stability 110°C	h	min. 8,0
Total Contamination	mg/kg	max. 24
Water Content	mg/kg	max. 500
Cloud point	°C	
- <i>summer</i>		max. 0
- <i>Spring/fall</i>		max. -3
Cold filter plugging point (CFPP)	°C	
- <i>Summer</i>		max. -5
- <i>Spring/fall</i>		max. -10

## Climate properties

Properties	Unit	Value
CO <sub>2</sub> -equivalents, WTW*	kg/liter	≤ 1,38
CO <sub>2</sub> -reduction*	%	≥ 50

\*Expected values

## Energy content

Parameters	Unit/kg	Unit/liter
Mega joule (MJ)*	37,0	33,0
Kilowatt-hours (kWh)*	10,4	9,2

\*Expected values