



ULMATEC
PYRO

PYRO FUEL FIRED HEATER FFH-0025 – FFH-0075

CENTRALIZED HEATER & RECOVERY UNIT

Utilizes Waste Heat before any additional fuel is consumed for heat production.



FEATURES

- Control system with 4" touch screen
- Modbus RTU Communication, Interface to IAS
- Multi-purpose heating coils
- Heating of potable water
- Heating of accommodation
- Diesel burner for backup heat
- Electrical heating elements for shore power

BENEFITS

- Significant amount of fuel savings
- Reduction of emissions
- Redundant heating sources
- Simplification of systems ("All in one")
- Easy installation
- Compact and space efficient



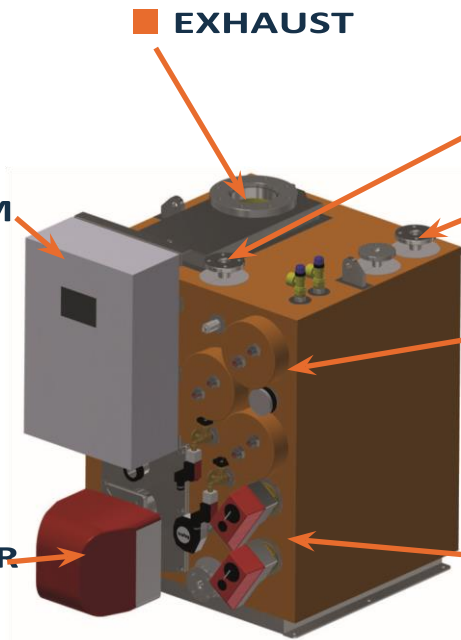
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CONTROL SYSTEM

Automatically optimizing the most beneficial source of heat at any times. Ensure heat supply to all consumers any time.

FUEL OIL BURNER

For redundancy, backup and alternative heat source.



EXHAUST

WATER IN

WATER OUT

**MULTI-PURPOSE
COI**

**ELECTRICAL
HEATING ELEMENTS**

For use while vessel is connected to shore power.

	FFH-0025	FFH-0050	FFH-0075
Capacity [kW]	25	50	75
Design pressure [bar]	3	3	3
Working temperature [°C]	95*	95*	95*
Weight dry [kg]	appr. 280	appr. 410	appr. 515
Dimensions [mm] (HxWxD)	1074x614x1053	1226x784x1089	1386*784*1395
Weight wet [kg]	450	700	905
*Adjustable up to 95°C. Working temperature from 95-120°C upon request			

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PYRO FUEL FIRED HEATER

FFH-0100 – FFH-0300

Ready for interface with our
Waste Energy Recovery System.



FEATURES

- Control system with a 7" touch screen
- Modbus RTU Communication, Interface to IAS
- Electrical heating elements for back up
- Heating of potable water

BENEFITS

- Long-life equipment
- Low life cycle cost
- Simplification of systems
- Easy installation
- Compact and space efficient
- Redundant heating sources



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POTABLE CIRCULATION SYSTEM

For circulation of potable hot water.

POTABLE HOT WATER COILS

For heating of potable water.

EXHAUST GAS OUTLET

ELECTRICAL HEATING ELEMENTS

For back up heating.

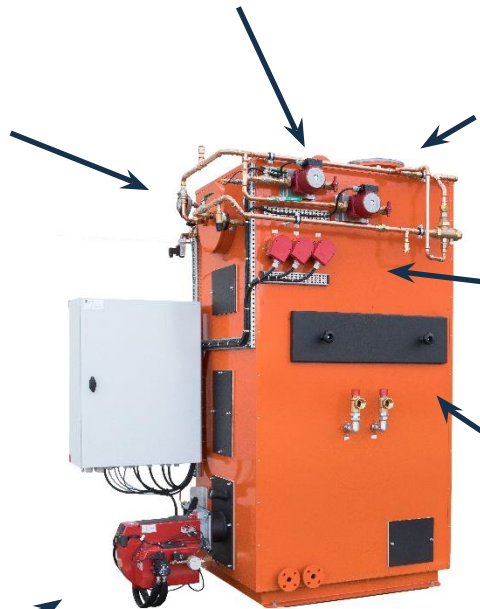
DOORS

Several doors for soot cleaning.

CONTROL SYSTEM

With a 7" touch screen for monitoring and safety functions. Ready for Modbus RTU communication.

FUEL OIL BURNER



	FFH-0100	FFH-0150	FFH-0200	FFH-0300
Rated size [kW]	100	150	200	300
Design pressure [bar]	3	3	3	3
Working Temperature [°C]	95*	95*	95*	95*
<i>*Adjustable up to 95°C. Working temperature from 95-120°C upon request</i>				

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PYRO FUEL FIRED HEATER FFH-0400 – FFH-3500

Ready for interface with our
Waste Energy Recovery System.



FEATURES

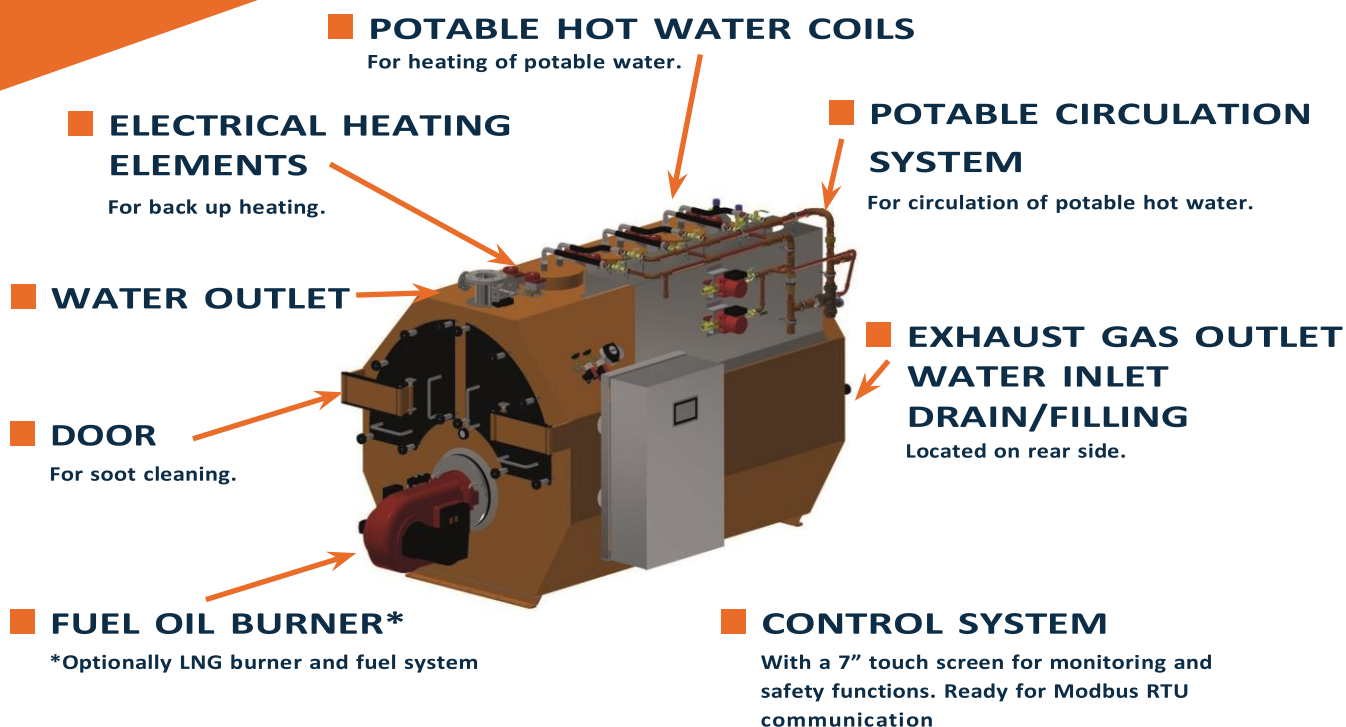
- Control system with a 7" touch screen
- Modbus RTU Communication, Interface to IAS
- High efficient fuel fired heater
- Designed for marine fuel oil and LNG
- Electrical heating elements for back up
- Heating of potable water

BENEFITS

- Long-life equipment
- Low life cycle cost
- Simplification of systems
- Easy installation
- Compact and space efficient
- Redundant heating sources



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	FFH-0400	FFH-0600	FFH-0900	FFH-1200	FFH-1500	FFH-2000	FFH-2500	FFH-3000	FFH-3500
Rated size [kW]	400	600	900	1200	1500	2000	2500	3000	3500
Design pressure [bar]	6	6	6	6	6	6	6	6	6
WorkingTemperature [°C]	95*	95*	95*	95*	95*	95*	95*	95*	95*
<i>*Adjustable up to 95°C. Working temperature from 95-120°C upon request</i>									

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