



BIO HEATERS

AFFORDABLE AND RENEWABLE ENERGY

MEPU HAS BEEN MANUFACTURING BIOHEAT SYSTEMS SINCE THE 1990S. THERE ARE HUNDREDS OF REFERENCES AROUND THE WORLD.



AFFORDABLE AND RENEWABLE ENERGY

Bioenergy can replace environmentally harmful and expensive fuels, such as oil. By using renewable biofuels, we can secure a clean, vibrant and self-sufficient world for future generations.

Fuel energy amounts (comparison)

Burnt peat [m³]	Dry wood chips [m³]	Firewood [m³]	Wood pellet [tn]	Oil [m³]	kWh	
1	1,63	0,81	0,27	0,13	1 300	
0,62	1	0,5	0,17	0,08	800	
1,23	2	1	0,33	0,16	1 600	
3,69	4,88	3	1	0,48	4 800	
7,69	12,5	6,25	2,08	1	10 000	



USABLE FUELS

- Wood chips
- Burnt peat
- Wood pellet
- Sawdust, cutter (mixed fuel)
- Grain-cleaning waste



SAVINGS IN ENERGY COSTS UP TO 90%

An environmentally friendly and durable bio heaters enables significant savings in energy costs. The higher the moisture level of the grain is, the larger are the savings. The efficiency of the Mepu bio system's heat exchanger is excellent.

FIVE HOT REASONS TO CHOOSE BIO ENERGY:

- 1. Ecological
- 2. Cost-effective
- 3. Fuel options
- 4. Use domestically

produced fuel

5. Operational reliability



EFFICIENT AND COST-EFFECTIVE

BIO HEATERS

Mepu bio heaters can be easily integrated into grain drying systems, a greenhouse or any other space that needs warm air. The fan configuration can be settled when ordering.



Economical bio heaters can be equipped with biofuel burner systems from different Finnish manufacturers, which own easy-to-use logic control takes care of the system's operations. Flue gas fan is adjusted with a frequency converter.

Model	200 kW	300-400 kW	500 kW	800 kW
Burner [kW]	200	300-400	500	650
Fan [kW]	5.5 / 7.5	7.5 / 11	11 / 15	15 / 18,5
Flue gas fan [kW]	2.2	2.2	2.2	2.2
Air amount [m³ / h]	17 000 / 21 500	21 500 / 24 500	24 500 / 34 000	34 000 / 36 000
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Millions of kilograms of grain has been dried with Mepu's bio heaters in Latvia since 2007.

READY-TO-USE

BIOHEAT CONTAINER

Mepu's portable bioheat system is a ready-made and very fuel-efficient solution that can be placed almost anywhere without major modifications. Delivered already electrified.



FEATURES

- Bio heater, flue piping, flue gas fan, pull bar feeder, fuel storage
- Burner with automatic ignition
- Mechanical ash removal
- Main fan with frequency converter
- GSM-alarm as standard equipment
- Fire and heat insulated (EI60)



The bioheat container is equipped with a Säätötuli burner, known for its efficiency. Cast iron and ceramics are durable materials that guarantee a long service life of the burner.

ASH CONTAINER

A light, strong and compact Mepu ash container for easy ash storage is available as an accessory. Corrosion-resistant structure, easy discharging, lift brackets at the corners and forklift pockets as standard. Fill hatch on top for Ø160 piping. Container dimensions $109 \times 111 \times 93$ cm.





In Yläne at Pettinen farm the new Mepu dryer installation dries the grain with bioheat equipment. The farm's older dryer is also equipped with Mepu bio heater.

WHEN ENERGY CONSUMPTION MATTERS, MEPU BIO HEATER IS THE SOLUTION.

CONTACT US

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COMPLETE GRAIN HANDLING SOLUTIOS.

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