

MIWE eco:box

Small. But effective.

An exhaust gas heat exchanger which functions as a heat recovery system for the purpose of hot water generation. Suitable for all oven burners and central heating boilers (thermal oil).

Highlights

- Approx. 70% of the flue gas heat that escapes is recovered as thermal energy. The combined combustion efficiency (oven + MIWE eco:box) is increased by approx. 8% if the recovered energy is used fully. For central heating boilers this figure is 14 - 15%.
- Very good price/performance ratio thanks to high efficiency and a generously proportioned large flue gas heat exchanger.
- Heat absorption, thus enabling the flue gas to be cooled down to 20°C above the current water temperature.
- Quick and simple installation thanks to the compact design and an intelligent connection solution. The MIWE eco:box can be quickly and easily adapted to the local requirements and the installation situation (horizontal, vertical, to the rear etc.).
- The high gloss insulation is based optically on a chimney and also insulates the heat exchanger. This reduces unnecessary heating of the bakehouse. The robust outer layer also protects the system from dirt and residue build up and reduces the risk of burns.
- Available as a single unit for oven burners with a nominal power of 95 or 140 kW. Up to three burners can be connected at the same time using units with a nominal power of 140, 170, 250 and 300 kW. Two or three burner systems can be connected to a MIWE eco:box, thus avoiding the necessity for additional chimneys.
- The multiple connector system makes for flexible installation.
- The MIWE eco:box is fitted with a sophisticated 2-level monitored bypass system.
- Completely automatic cleaning thanks to integrated control thermostats located on the directly connected circulation pump. This eliminates the costs of installing complex additional controllers.
- Developed and manufactured by MIWE for the needs of a bakehouse. Extremely long service life due to immersion etching and use of high-alloy steels V4A (1.4404).



MIWE eco:box	95	140	170	250	300	300 <
Suitable burner output kW	95	140	170	250	300	Heating boiler version on request
Max output power kW	16	23	28	42	51	
Length in cm	76	85	97	100	118	
Width in cm	55	55	84	86	86	
Height in cm	33	43	38	46	60	
DN flue gas inlet	150 - 180	150 - 250	150 - 225	150 - 250	150 - 250	
DN flue gas outlet	180	250	250	300	300	
Number of oven connections	1	1	1,2	1,2,3	1,2,3	

Subject to technical changes and further developments.