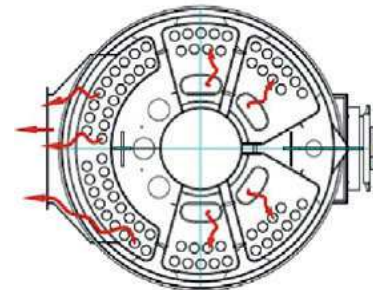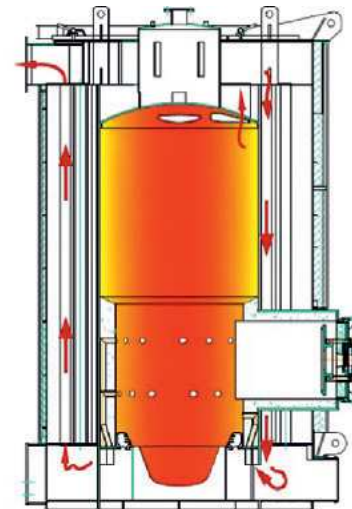# HT MegaBio by Ventil

580 kW - 7 MW

Vertical three-pass boilers for automatic burning of woodchips.

- The **HT MegaBio** boiler its a result of cooperation in the production of boilers for woodchips burning by **Heiztechnik** and **Ventil.**

- The boiler is equipped with a cylindrical, made from a incombustible concrete combustion chamber. The chamber has a three-point controlled air blower divided into primary air and two secondary air streams with the possibility of automatic adjustment in connection with the lambda probe.

- The combustion chamber made of refractory concrete enables the combustion of fuels with high humidity.

- Three-pass exhaust gas circulation allowed to obtain a large heating surface of the boiler, which resulted in achieving high efficiency of heat exchange.

- The large water capacity ensures a very stable water temperature and a high level of thermal safety of the entire system.

- Construction of **HT Mega Bio** boilers, prevents deposition dust on the heating surface of the exchanger, which is significant for burning biomass.

- The boiler is controlled by a central control panel that collects information from sensors, fuel supply system, combustion system, and boiler water.

- The regulation system is available through all kinds of mobile devices and the Internet network.

primary fuel	alternative fuel
Woodchips	Pellet

Basic dimensions and specifications

Type	-	580	750	1000	1250	1500	2000	3000	4000	5000	6500	7000
Rated power	kW	580	870	1160	1450	1750	2320	3480	4640	5800		
Height	cm	293	321	377	382	396	396	481	511	560		
Diameter	cm	205	210	232	240	244	258	311	340	370		
Boiler room - min. height	m	5	5	5,5	5,5	6	6	7	8	8	Information available on request	
Surface of heat exchanger	m^2	24	35	52	65	79	112	174	230	314		
Boiler mass	kg	4200	4600	4730	7900	5200	10800	13000	29500	34500		
Water capacity	L	2000	3100	4550	5200	5600	9600	9400	13000	18000		
Maximum water temperature	ºC	109	109	109	109	109	109	109	109	109		
Average thermal efficiency	%	85 - 90	85 - 90	85 - 90	85 - 90	85 - 90	85 - 90	85 - 90	85 - 90	85 - 90		