

...setting new standards in modern heating...and it doesn't cost the earth.

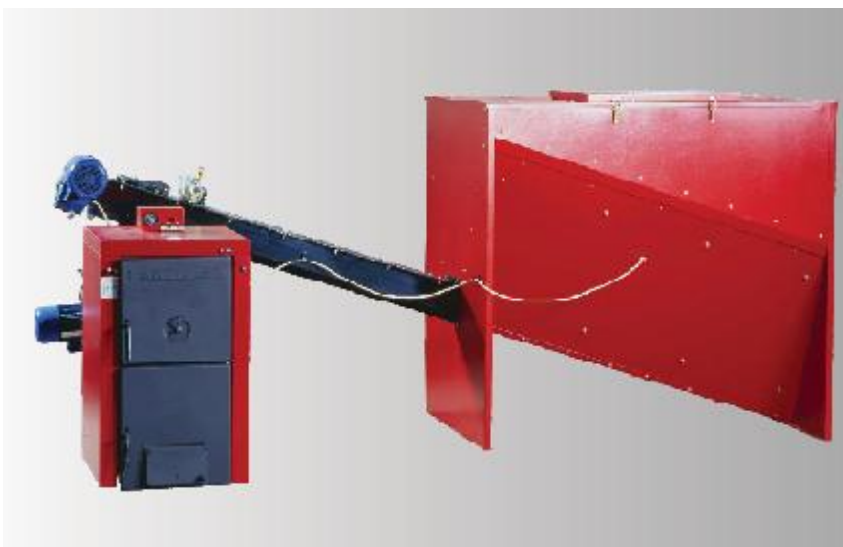
HERCULES BIOMASS BOILER cast-iron automatic boiler for wood waste.

The boiler enables effective and ecological use of wood waste. Its operation is automated and requires minimum manipulation. The 5-section version of the boiler is designed for heating single housing units and smaller facilities of up to *250sqm area. The 7-section version of the boiler is designed for heating houses, cottages, office buildings and small business premises etc of up to *350sqm area. The 10-section version of the boiler is designed for heating middle-sized buildings: shops, schools, recreation facilities, middle-sized business premises, big houses etc for up to *500sqm area.

The boiler is automatically operated and is controlled by a heat-controller in the house, which ensures comfortable space heating and hot water.

The fuel, wood chips, shavings and sawdust is mechanical delivered from a built-on fuel hopper to the burner. The boiler is easy to operate, low in maintenance and gives a good alternative to standard heating systems due to the low operating costs and low emissions.

Combustion byproducts are easily cleaned out from the ash box and heat-exchanger. The high lifetime cast-iron drum (heat exchanger) is available in several layouts depending on the space available in the boiler room. Long verified design of the boiler drum guarantees a high combustion efficiency of up to 80%



Boiler Technical Data				
Number of boiler sections	Pieces	5	7	10
Rated output	KW	25	35	48
Controllable output	KW	7 - 25	10 - 35	14 - 48
Fuel consumption: (moisture 18 %, heating value 14, 4 MJ/kg)	kg/h	3,1–9,41	4,2–12,1	5,3–15,8
Efficiency	%	80		
Combustion product temperature	°C	170 - 265	160 - 245	150 - 220
Boiler class according to ÈSN (Czech State Standard)		EN 303-5 3		
Weight	kg	643	731	864
Water space volume	Litres	40,9	50,3	64,4
Inside diameter of smoke pipe	mm	160		
Fuel container capacity	Liters	1140		
Maximum operating pressure of water	Bar	4		
Testing pressure of water	bar	8		
Min. /max. recommended operating temp. of heating water	°C	60 / 90		
Boiler connection: – heating water 2" – return water 2"	Inch	2"		
Connecting voltage		3/N/PEAC ~ 50Hz 400/230 VTN-S		
Electric input of drive mechanism	W	1000		
Electric backing of regulator		IP 65		

The producer, VIADRUS, provides end-customers with a 24-month guarantee of the boiler, which starts on the day of its purchase. The boiler drum is guaranteed for 5 years following the date of its dispatch from the production plant. ***Note:** based on pre 2003 building standards. areas can greatly differ due to insulation standards and heating systems of the building.