



ENGLISH

GUNTAMATIC BIOMASS
BOILER HEATING RANGE

GUNTAMATIC

GUNTAMATIC HEATING GMBH

WE ARE ONE OF THE LEADING EUROPEAN MANUFACTURERS OF INNOVATIVE AND HIGH-EFFICIENCY BIOMASS BOILER HEATING SYSTEMS. OUR PRODUCTS ARE DISTINGUISHED BY EXCEPTIONAL RELIABILITY AND EASE OF USE.

WELL ESTABLISHED

With more than 120 sales and service agents in 17 countries, we are well established across Europe. We have built a reputation for high-quality products – from development through to production and from sales through to service.

HEATING WITH PASSION

We are engineers and boilermakers of conviction. With our requirements-based heating solutions, we aim to give our clients and trading partners the confidence of having chosen the right heating system.

HOLISTIC THINKING

As a systems provider we develop and produce highly durable and efficient boilers. The highly economical BIOSTAR range of pellet boilers is a perfect example.

GUNTAMATIC HEATING GMBH

Established:	1963
Company structure:	Family-owned
Sales and service agents:	120
Sales agents:	In 17 countries
Equity ratio:	100 %



We think and act according to our values. Decency, honesty and dependability are important to us because we always aim to give our customers more than we promise.



*Günther Huemer,
Managing Director of GUNTAMATIC Heating GmbH*

THE PRO INDUSTRIAL BIOMASS PLANT

THE PRO SERIES OFFERS UNRIVALLED LEVELS OF FUEL ECONOMY AND SAFETY FOR MEDIUM TO LARGE SCALE WOOD PELLET AND WOOD CHIP HEATING. THANKS TO THE MODULAR DESIGN, THESE MEDIUM TO LARGE SCALE SYSTEMS ARE VERY FLEXIBLE AND OFFER HEAT OUTPUTS OF UP TO 1000 KW.



The PRO series 175 / 250



The PRO series 600 / 750



The PRO series 350 / 425 / 500



The PRO series 850 / 1000





MAXIMUM SAFETY

This range features extremely high-quality components, backed up by 15 years of research, development and manufacturing experience. This guarantees maximum safety, low maintenance costs and long service life. For larger heat output requirements, several systems cascaded together offer high levels of reliability and efficiency in modulation. This offers great benefits for commercial and industrial users.



HIGH EFFICIENCY COMBUSTION

Fuel is gasified with controlled primary air and controlled combustion conditions. The amount of air and fuel required is regulated by lambda probe, which ensures maximum efficiency. Combustion gases are fed with secondary air in a large combustion zone and generate temperatures of 1,300 °C.



SELF CLEANING

Vertically arranged turbulators continually move up and down to keep the heat exchanger clean. This prevents the build up of efficiency-reducing deposits and ensures consistently low heat losses. Moreover, they make sure that the boiler can run for long periods with minimal maintenance or cleaning.



SERIES PRODUCTION ADVANTAGES / SPARE PARTS AVAILABILITY

PRO industrial boilers are standardized, series-produced heating systems. They use the highest quality components, which have been extensively tested. Spare parts are easily and quickly available and can be replaced by your heating engineer on site or by an authorised service technician.

HIGHEST LEVELS OF FIRE SAFETY

A sophisticated burn back protection system offers high levels of safety. A suction fan generates a constant negative pressure in the combustion chamber and an automatic rotary valve prevents burn back. Larger systems are also equipped with a temperature control in the fuel store.

PRO INDUSTRIAL BIOMASS PLANT TECHNICAL DATA AND SPECIFICATIONS



PRO FEATURES AND BENEFITS

1. Step grate - primary air
2. Gasification chamber
3. Ember bed control
4. Cleaning cover
5. Turbulators
6. Heat exchanger
7. Combustion fan
8. Automatic cleaning device
9. Flue pipe connection
10. Lambda probe
11. Flue gas probe
12. Step grate drive
13. Ash bin
14. Touch screen control panel
15. LED power indicator

PRO FLEX PELLET FUEL DELIVERY SYSTEM



Length of storage

1,080 - 1,559 = FLEX 1

1,560 - 2,039 = FLEX 1.5

2,040 - 2,519 = FLEX 2

2,520 - 2,999 = FLEX 2.5

3,000 - 3,479 = FLEX 3

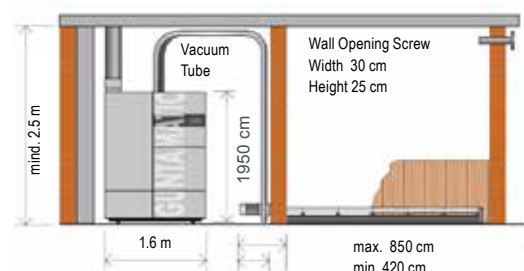
3,480 - 3,959 = FLEX 3.5



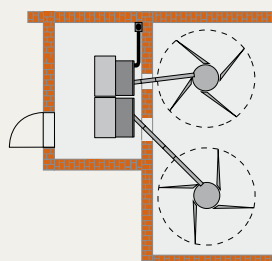
3,960 - 4,439 = FLEX 4

4,440 - 4,919 = FLEX 4.5

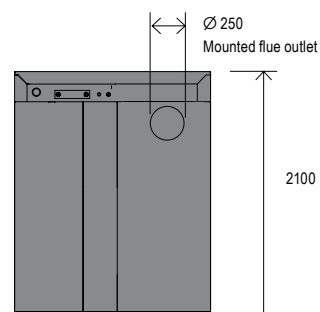
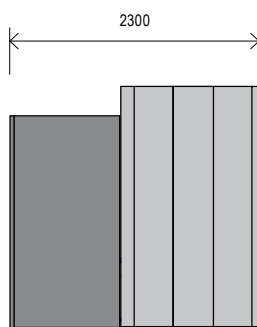
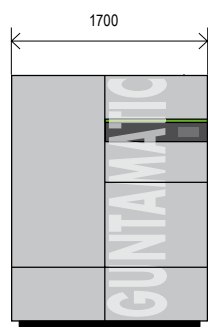
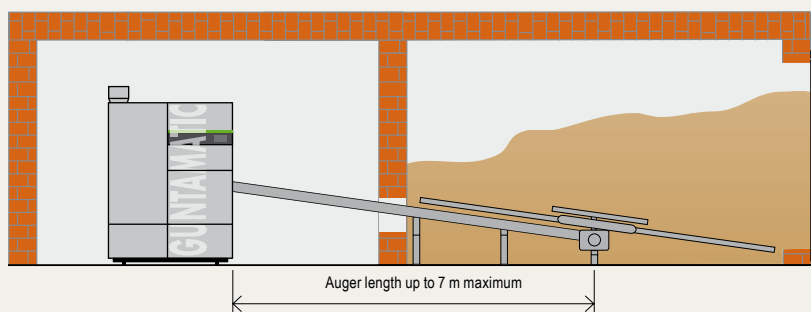
4,920 - 5,399 = FLEX 5



PRO WOOD CHIP FUEL DELIVERY SYSTEM



Agitator Diameter
1.5 to 5.0 m



Technical data	Type PRO 175 Type PRO 250	Set PRO 350 Set PRO 425 Set PRO 500	Set PRO 600 Set PRO 750	Set PRO 850 Set PRO 1000	
Fuel PRO	Wood Chips G30 and G50				ÖNORM M7133
Fuel PRO Flex	Wood Pellets ENplus A1 and A2				EU-Norm EN14961-2
Boiler output PRO (Flex) 175	188	Overall performance results from a combination of modules			kW
Boiler output PRO (Flex) 250	199,5* / 250**				kW
Required chimney draft	0,1	0,1	0,1	0,1	mbar
Boiler temperature	60 - 85	60 - 85	60 - 85	60 - 85	°C
Return temperature	55	55	55	55	°C
Water content	600	1.200	1.800	2.400	litres
Operation pressure	max. 3	max. 3	max. 3	max. 3	bar
Ash content	max. 240	max. 480	max. 720	max. 960	litres
Flue pipe diameter (outside)	250	2x 250	3x 250	4x 250	mm
Total weight	approx. 2,000	approx. 4,000	approx. 6,000	approx. 8,000	kg
Safety heat exchanger	Yes	Yes	Yes	Yes	
Electrical usage	400 V / 20 A	400 V / 20 A	400 V / 20 A	400 V / 20 A	

* Nominal power module for below 400 kW

** Maximum boiler output