

Comfortable and convenient heating ...

... with different fuels ...

... of our nature ...

... with the power of the elements.

LOG WOOD



**firestar  
model range  
Lambda ECO**  
18 - 40 kW

**firestar  
model range  
De Luxe**  
18 - 40 kW

#### The Herz firestar...

... is the ideal solution for comfortable and convenient heating with log wood.

- filling shaft for half-metre logs
- up to 8 hours burning duration - depending on model range
- energy-saving combustion due to the unique double vortex combustion chamber
- model range De Luxe with automatic heat exchanger cleaning
- simple removal of combustion & fly ash from the front – no side cleaning apertures low ash accumulation due to optimum combustion
- option to retrofit a full-fledged pellet burner to increase the comfort of the firestar model range De Luxe at a later date

PELLETS



**pelletstar-H/HE**  
10 - 30 kW

**pelletstar-H/HE**  
70 - 105 kW

#### The Herz pelletstar-H/HE...

... is the new generation of the proven pellet boiler with efficient combustion technology and a new design.

- OPTIONAL: with or without integrated electrostatic filter

##### pelletstar-H/HE 10-30 kW:

- modular design with completion set
  - suction discharge system
  - screw discharge system
  - manual filling discharge system
- integrated flow sensor for energy supply display
- OPTIONAL: back flow elevation set integrated in the boiler as space-saving option

##### pelletstar-H/HE 70-105 kW:

- modular design with completion set
- screw discharge system
- suction discharge system with suction hopper DIRECT inclusive double cell wheel for suction during operation

WOOD CHIPS & PELLETS



**firematic**  
80 - 301 kW

**firematic-E**  
80 - 301 kW

#### The Herz firematic & firematic-E 80-301 ...

... is the ideal wood chip system for customers with increased heat requirements.

- firematic-E with integrated electrostatic filter
- different discharge systems
- easy handling due to modern touch display
- consistently high efficiency - low emission values
- energy saving combustion due to the lambda probe control
- lateral insertion & step or moving grate burning chamber
- automatic cleaning of the combustion chamber and the pipe heat exchanger
- OPTIONAL: ash removal in external containers for more comfort
- electrostatic filter can also be retrofitted

WOOD CHIPS & PELLETS



**BioFire**  
400 - 1,500 kW

#### The Herz BioFire...

... the solution for large properties. The possibility of cascade connection enables projects up to 12,000 kW.

- modular design - small installation dimensions for simplified installation and assembly
- generously dimensioned maintenance openings
- automatic combustion and heat exchanger cleaning with automatic ash removal
- possibility of central ash discharge into external hoppers
- OPTIONAL: regulation according to QM-Holzheizwerke
- multifunctional control concept
- optimised combustion due to 3-zone step grate: drying zone, combustion zone and burnout zone

LOG WOOD & PELLETS



**pelletfire**  
20 - 40 kW

**pelletfire with int.  
suction hopper**  
20 - 40 kW

#### The Herz pelletfire...

... is a perfectly matched combination of a wood gasification boiler and a pellet boiler.

- heating operation optionally with log wood or wood pellets
- automatic ignition of log wood with pellets possible
- filling shaft for half-metre logs
- full automatic heat exchanger cleaning
- discharge systems:
  - flexible screw discharge system
  - suction discharge system (pelletfire with integrated suction hopper)

PELLETS



**pelletstar  
CONDENSATION**  
10 - 60 kW

**pelletstar  
CONDENSATION**  
80 - 101 kW

#### The Herz pelletstar CONDENSATION...

... is the ideal solution for new builds and modernisation projects and impresses with an efficiency of up to 106%.

- innovative condensing technology - utilisation of the water vapour contained in the flue gas for heating purposes
- the heat distribution can be done via a low temperature system or a high temperature system
- boiler body, combustion chamber & heat exchanger made of stainless steel

##### pelletstar CONDENSATION 10-60 kW:

- modular design with completion set suction, screw or manual filling variant

##### pelletstar CONDENSATION 80-101 kW:

- modular design with completion set
  - screw discharge system
  - suction discharge system with suction hopper DIRECT inclusive double cell wheel for suction during operation

WOOD CHIPS & PELLETS



**firematic**  
349 - 501 kW

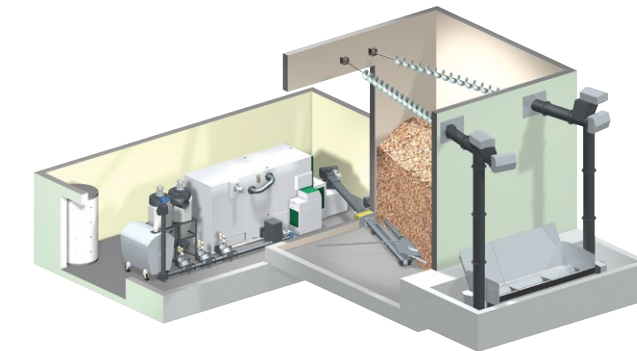
**firematic-E**  
349 - 501 kW

#### The Herz firematic & firematic-E 349-501...

... supplies schools, hotel complexes, house estate projects, timber processing plants, public buildings, etc. with heat.

- firematic-E with integrated electrostatic filter
- modular design - simple installation and assembly
- consistently high efficiency - low emission values
- combustion technology at the highest level
- automatic combustion & heat exchanger cleaning with automatic ash removal
- lateral insertion & step or moving grate burning chamber
- multifunctional control concept with touch display
- boilers in left or right versions available
- electrostatic filter can also be retrofitted

WOOD CHIPS & PELLETS



**Storage & transport technology**  
for biomass systems up to 1,500 kW

#### Storage & transport technology...

HERZ offers different solutions of filling and discharge systems:

- flexible pellet screw systems
- suction systems for pellets
- bag silo solution with different discharge options
- agitator systems
- chute pipe & vertical transport systems
- hydraulic walking floor

PELLETS



**pelletstar  
model range  
ECO**  
10 - 60 kW

**pelletstar  
model range  
T-Control**  
10 - 60 kW

#### The Herz pelletstar...

... impresses with its innovative technology, modern and compact design.

- full automatic heat exchanger cleaning
- maximum convenience due to fully automatic grate cleaning (via tipping grate)
- pellet discharge with different systems such as:
  - flexible screw discharge system
  - suction discharge system - with external hopper possible
  - manual filling system with external hoppers

WOOD CHIPS & PELLETS



**firematic**  
20 - 60 kW

#### The Herz firematic 20-60...

... is the compact wood chip solution for detached houses, apartment blocks and even farms.

- energy-saving drive technology
- use of high quality materials
- user-friendly control with touch display
- consistently high efficiency - low emission values
- compact dimension for limited installation areas
- automatic cleaning of the combustion chamber and the pipe heat exchanger
- lateral insertion & single or double tipping grate
- automatic ash removal in removable ash box with wheels
- OPTIONAL: ash removal in external containers for more comfort

WOOD CHIPS & PELLETS



**firematic PELLET**  
120 - 201 kW

#### The Herz firematic PELLET 120-201 ...

... is the ideal pellets system for customers with increased heat requirements.

- combustion technology especially for pellets and wood chips up to M25, P16S
- lateral insertion & step or moving grate burning chamber
- easy handling due to modern touch display
- automatic ash removal in two ash boxes at the front with wheels for easy ash removal
- split 2-zone combustion chamber with two secondary air zones made of refractory concrete SiC with step grate made of robust cast chrome steel.
- pipe heat exchanger with turbulators and automatic cleaning mechanism
- electrostatic filter can also be retrofitted



**Tanks**  
for biomass systems up to 1,500 kW

#### Buffer & hot water tanks...

... complete the heating system and create the optimum solution for an efficient, independent and renewable combination for the future.

- domestic hot water tanks & fresh water modules
- buffer tank
- multifunction storage tank



**The specialist** for renewable energy systems 4 - 1,500 kW



## BIOMASS PORTFOLIO

ENVIRONMENTALLY FRIENDLY HEATING



WITH MOST MODERN TECHNOLOGY!



Competence is our success ...

### HERZ FACTS:

- 50 subsidiaries
- group headquarter in Austria
- research & development in Austria
- austrian owner
- 3,500 employees in over 100 countries
- 44 production sites



### HERZ Armaturen Ges.m.b.H – The company

Founded in 1896, HERZ has a continuous, more than 125-year-old market presence. With 44 sites in 12 european countries and more than 3,500 employees in Austria and abroad, HERZ is the only Austrian and one of the most important international manufacturers of products for the entire heating and plumbing industry.

### HERZ Energietechnik GmbH

HERZ Energietechnik employs 200 people in production and sales. At the company sites in Pinkafeld/ Burgenland and Sebersdorf/Styria, there is state-of-the-art production as well as a research institute for new, innovative products. Proven cooperations with research and educational institutions can be intensified. Over the years, HERZ has established itself as a specialist in renewable energy systems. HERZ places a great importance on modern, cost-effective and environment friendly heating systems with the highest level of convenience and user-friendliness.

### BINDER Energietechnik Ges.m.b.H

For more than 30 years, the factory site in Bärnbach in western Styria large scaled biomass boilers are produced for industry applications. More than 100 boilers up to 20,000 kW are manufactured at the site with a total of 5,070 m² of production and storage area. The service team at the site in Bärnbach / Austria ensures reliable service and maintenance. This is supported by 13 service and sales offices in 11 countries worldwide.

### HERZ for the environment

All HERZ heating systems fall below the strictest emission regulations. Numerous environmental endorsements bear witness to this.

### HERZ quality

Our HERZ design engineers are in permanent contact with acknowledged research institutions in order to improve the very high standards continuously.

Customer service, training...

In co-operation with HERZ Armaturen Ges.m.b.H., with subsidiaries in all European countries, our partners and factory representatives, we are able to provide our customers with optimum and competent support at all times.

- advising in planning phase
- planning of energy centre and fuel storage room
- planning of discharge system according to customer requirements
- planning of the system according to customer requirements
- comprehensive services

### HERZ training:

- for operators
- for planners, technical departments
- for plumbers, heating engineers, technicians
- for chimney sweeps
- as well as continuous training of the customer service staff



### HERZ Energietechnik GmbH

Herzstraße 1, 7423 Pinkafeld  
Austria  
Tel.: +43 (0) 3357 / 42840-0  
Fax: +43 (0) 3357 / 42840-190  
Mail: office-energie@herz.eu  
Web: www.herz-energie.at

### Herz Armaturen Gesellschaft mbH

Neumarkter Straße 33, 90584 Allersberg  
Germany  
Tel.: +49 (0) 9176 / 367 95-0  
Fax: +49 (0) 9176 / 367 95-79  
Mail: office-deutschland@herz.eu  
Web: www.herz-energie.de



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