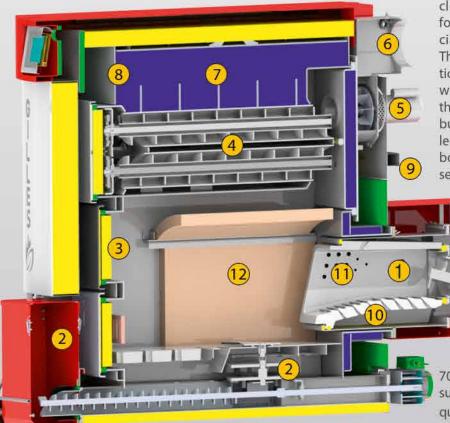


WOOD CHIP HEATING



WOOD CHIP HEATING



HPK-RA 25 - 59

WOOD CHIP BOILER HPK-RA

The high-performance boiler is produced as a tension-free welded construction. The heat insulated front door opens outwards. The cleaning of the boiler heat exchanger is performed fully automatically by means of a special drive and sturdy cleaning augers.

The boiler is designed for the automatic combustion of wood chips and capable to burn log wood without any modification of the grate because of the burning technology and the additional combustion chamber door. The welded multiple-draught boiler is made of 6 mm thick-walled boiler plate S235JR, horizontal heat exchanger in seamless drawn thickwalled boiler tubes,

70 mm width external insulation, operating pressure max. 3 bar, incl. heat exchanger and all required hydraulic connections.

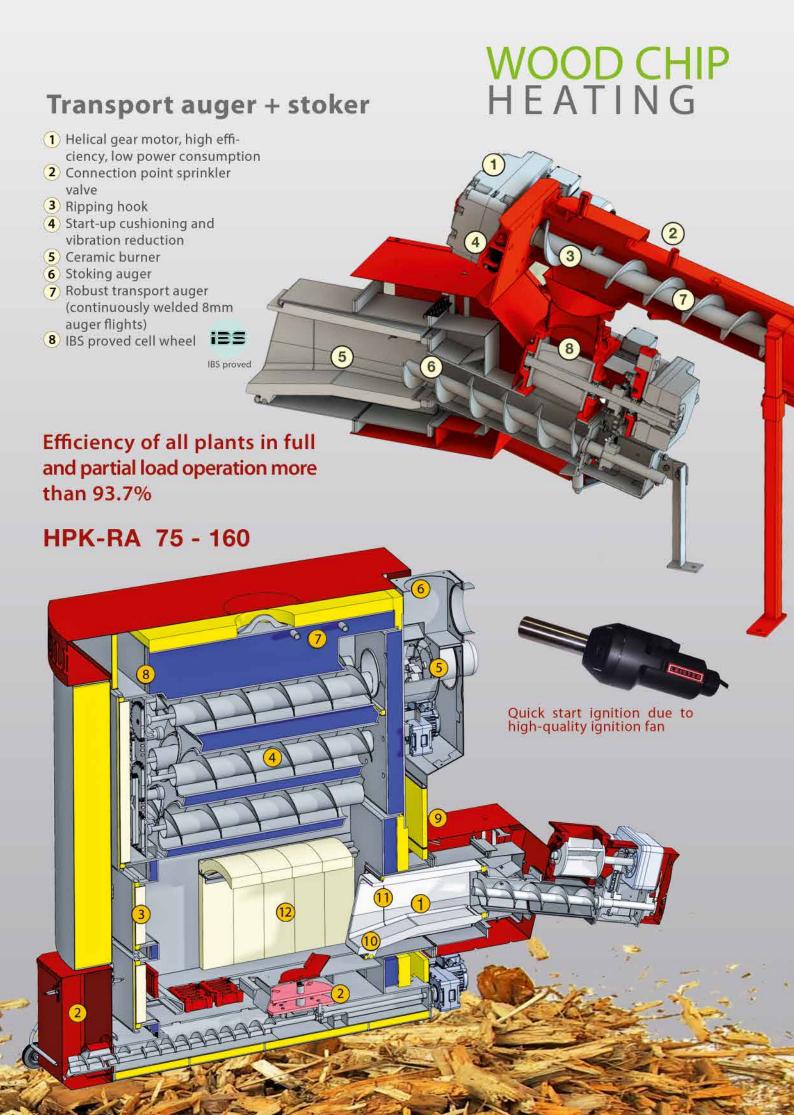
Automatic ash discharge integrated in boiler base into wheeled 43I or 80I ash bin. Suitable for combustion of wood chips EN ISO 17225-4 or pellets EN ISO 17225-2 class A1 and DIN plus

Description:

- 1 Wood chip burner in high-quality heat-resistant ceramic
- 2 Ash removal via ash agitator with special drive technology ash compression resulting in long emptying intervals -wheeled 43l or 80l ash bin
- 3 Combustion chamber door for log wood operation (no changeover required)
- 4 Horizontal pipe heat exchanger with automatic cleaning for high efficiency > 93.7%
- 5 Flue gas fan for optimal ignition process and
- permanent negative pressure in the boiler

 6 Lambda probe for fuel detection and optimi-
- sed, clean combustion process
 Overheat protection element
- 8 Welded multiple-draught boiler in 6 mm boiler plate
- 9 Shunt circuit with pump and mixing valve (op-
- tionally)
- Primary air modulating variable
- Secondary air modulating variable
 Individual replaceable fire bricks

GILLES HPK-RA 25 30 35 Nennleistung Breite b (mm) GILLES HPK-RA 40 45 49 Nennleistung GILLES HPK-RA 85 59 75 Breite b (mm) Gewicht (kg) GILLES HPK-RA 100 120 145 160 Breite b (mm) Gewicht (kg)



WOOD CHIP HEATING TRANSPORT AUGER With continuously welded, robust auger flights and progressive pitch (prevents blockage) Transport direction Robust auger shaft Continuously welded auger flights Progressive auger flights Large auger channel 100% protection against burn back Proven on thousands installations GILLES special features **CELL WHEEL** IEE IBS proved thus provides 100% protection against burn

In addition, the blades are slightly curved, which prevents noise generation and reduces compressive forces. A fixed cutting edge is integrated in the stable and noise-damping cast enclosure to reduce the size of longer pieces of material.

...you want to heat with log wood - no problem:
Just put in wood - everything else is controlled completely automatically (Emergency operation only)



Energy-saving 4-chamber system with low running











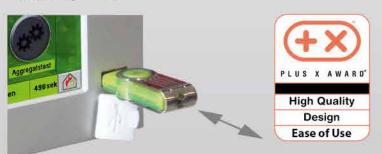
The ignition process by burning wood chips takes as long as it takes for the deposited wood to burn well. The wood chips stoking is then reduced to the minimum feed rate and increased again by sensors after the log wood has been burnt.





The intelligent heating controller

- ✓ Higher efficiency
- **Energy saving** (Energy efficient control of the electrical components)
- Intelligent control of the drives (Components: Ignition fan, 3 way diverting valve, transport systems)



Programme updates possible via USB stick

Benefits:

- Ideal settings for different fuels
- Modulating operation of the boiler
- Convenient setting and alteration of all heating functions via smart phone, tablet or PC/Mac

GILLES

- Automatic error message notification via e-mail
- Remote monitoring of the boiler via internet
- Visualisation for smart phone, tablet or PC/Mac
- Graph recording of all heating parameters on the internal memory
- Modular design (expandable)
- Robust design of switch cabinet
- Cascade control for up to 4 boilers
- Password protected
- Modbus compatible
- Enabling of external heat source
- Recording of all operation parameters to USB stick



GILLES Q



- Boiler & stoker status displayed
- Status display => which components are currently active
- All important values can be seen on the main screen, such as temperatures, O2 value, fans, etc.
- Flue gas analyses mode

- Graph recording over 6 months with USB stick Graph records exportable to USB stick
- Parameters can be exported into an excel file
- All values displayed on the controller can be recorded and saved

The remote setting of the heating system or the heating circuits is possible by means of a room thermostat as well as by smartphone, tablet, etc.





The remote setting and monitoring of the heating system is possible at any time from anywhere via PC, tablet and smart phone.



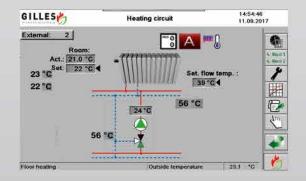


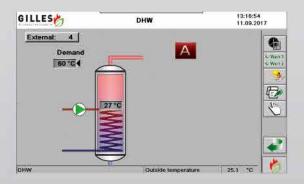
with integrated heating circuit control

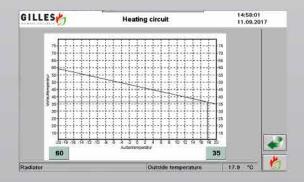
Previously it was only possible to regulate the heating circuits with the room thermostat. Now it's possible to control every heating circuit with the new Gilles touch control panel. You can regulate heating times, room temperatures and all important parameters easily with the new Gilles touch control panel.

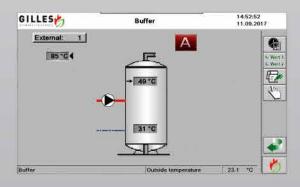
The result of these innovations is optimal comfort with absolute control and lower heating costs!





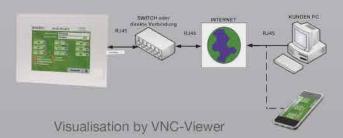












Visualisation link / GSM-Visualisation

Pellet / wood chips - heating systems





Visit our show and training centre!

directly at A1 motorway exit Regau
 4844 Regau, Tiefenweg 34





