

EASYPELL

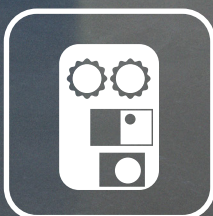
EFFICIENT AND RELIABLE HEATING



HEATING



DOMESTIC
HOT WATER



EQUIPMENT

PRODUCT BROCHURE
PELLET BOILER



HEAT MANAGEMENT FOR THE ENTIRE HOME

FOR ALL OUTPUT SYSTEMS

Applicable for radiator, underfloor and wall heating, or a combination of any system.

HEATING MANAGEMENT

You can operate up to three independent circuits with thermostat, connect an outdoor temp sensor and also use an external heat controller.

BUFFER LOGIC

The new controller allows connecting a buffer tank, also with DHW and automatic summer/winter recognition.

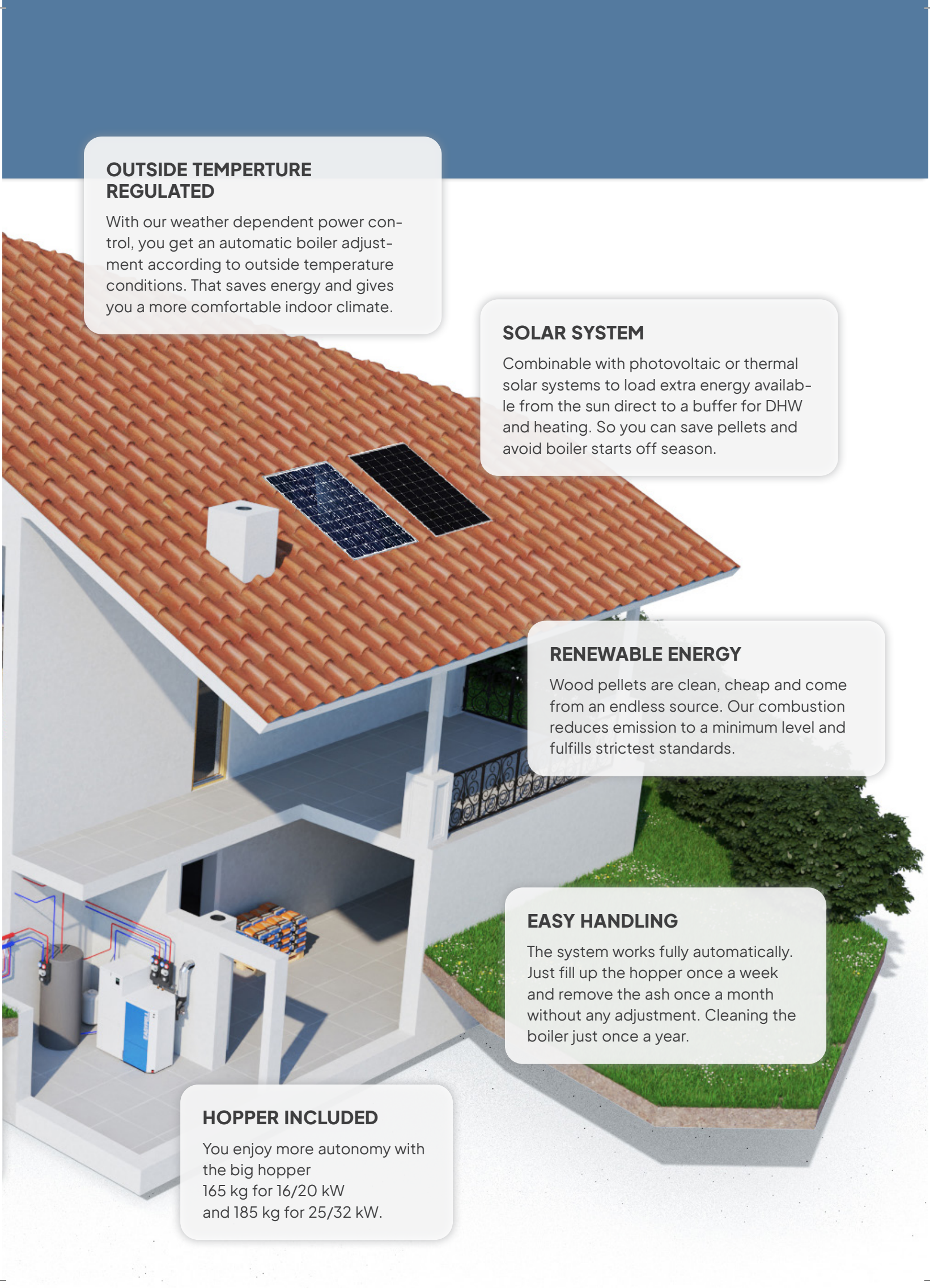
DOMESTIC HOT WATER

The system provides domestic hot water management for all purposes in the home, (bathroom, kitchen and others) through separated DHW tank, direct coil or module on buffer.

BOILER POSITIONING CLOSE TO THE REAR AND SIDEWALL

With the new option to position the boiler against the rear and side walls, less space is needed for installation and more space is saved in the boiler room.





OUTSIDE TEMPERATURE REGULATED

With our weather dependent power control, you get an automatic boiler adjustment according to outside temperature conditions. That saves energy and gives you a more comfortable indoor climate.

SOLAR SYSTEM

Combinable with photovoltaic or thermal solar systems to load extra energy available from the sun direct to a buffer for DHW and heating. So you can save pellets and avoid boiler starts off season.

RENEWABLE ENERGY

Wood pellets are clean, cheap and come from an endless source. Our combustion reduces emission to a minimum level and fulfills strictest standards.

EASY HANDLING

The system works fully automatically. Just fill up the hopper once a week and remove the ash once a month without any adjustment. Cleaning the boiler just once a year.

HOPPER INCLUDED

You enjoy more autonomy with the big hopper
165 kg for 16/20 kW
and 185 kg for 25/32 kW.



EASYPELL 16 – 32 kW

**SAFE AND LARGE CAPACITY
PELLETS HOPPER**
Airtight hopper with opening
sensor to avoid malfunction, and
high autonomy for more comfort.

16/20 for 165 kg
25/32 for 185 kg

COMPACT CONTROL PANEL
Simply to use and program.

**INTEGRATED RETURN
TEMPERATURE ELEVATION**
Avoid boiler condensing and damage
without any extra external connection.

**CERTIFIED BURN
BACK PROTECTION VALVE**
Compleatly safe with
double gas-tight seal.



ECONOMICAL

Thanks to our special boiler design combined with our constant sensor monitoring, we can optimize the fuel consumption and efficiency under any circumstances, automatically without manual adjustments.



QUALITY

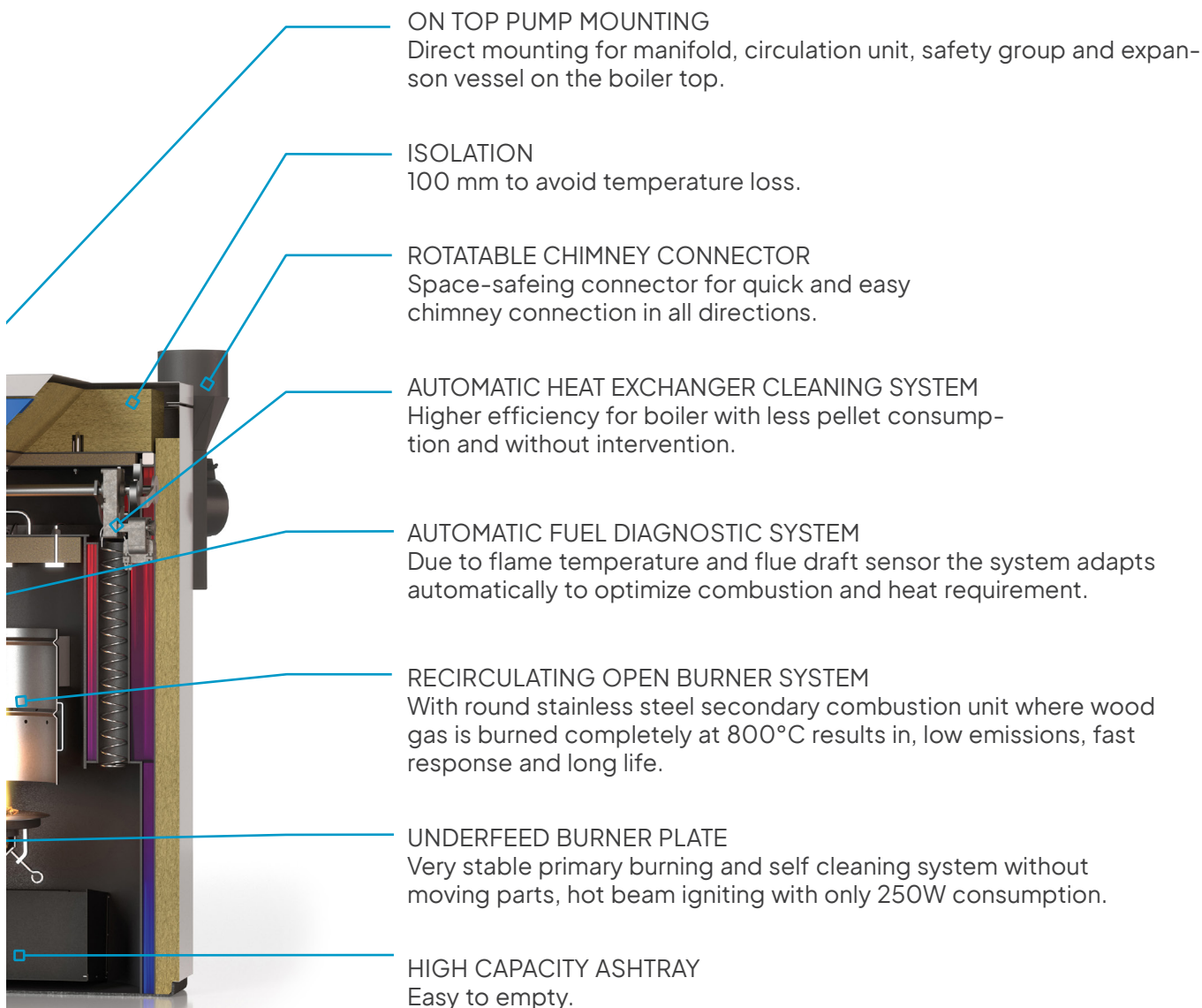
EASYPELL boilers are designed and built in Austria under the ÖkoFEN standard. Over 100.000 active working units worldwide with this system, ensuring reliable and trouble-free operation for for years.



SAFETY

Back burn safety valve, integrated return flow heating, soft start and controlled wood gas burning temperature are arguments for a safe and long-lasting operation without intervention.

THE FOCUS ON THE ESSENTIAL BRINGS YOU REMARKABLE BENEFITS



ON TOP PUMP MOUNTING

Direct mounting for manifold, circulation unit, safety group and expansion vessel on the boiler top.

ISOLATION

100 mm to avoid temperature loss.

ROTATABLE CHIMNEY CONNECTOR

Space-saving connector for quick and easy chimney connection in all directions.

AUTOMATIC HEAT EXCHANGER CLEANING SYSTEM

Higher efficiency for boiler with less pellet consumption and without intervention.

AUTOMATIC FUEL DIAGNOSTIC SYSTEM

Due to flame temperature and flue draft sensor the system adapts automatically to optimize combustion and heat requirement.

RECIRCULATING OPEN BURNER SYSTEM

With round stainless steel secondary combustion unit where wood gas is burned completely at 800°C results in, low emissions, fast response and long life.

UNDERFEED BURNER PLATE

Very stable primary burning and self cleaning system without moving parts, hot beam igniting with only 250W consumption.

HIGH CAPACITY ASHTRAY

Easy to empty.



FLEXIBLE POWER RANGE

Due to our flexible power adjustment system and approved long term maximum power output you can use EASYPELL for nearly all single family household heating needs, domestic hot water and pool heating. But also for smaller industrial use, wherever thermal energy is required.



LOW EMISSIONS

With EASYPELL you demonstrate care about the environment. We fulfill EN 303-5 Class 5 boiler standard same as Ecodesign ERP and almost all country standards for reducing pollution subsidy programs.



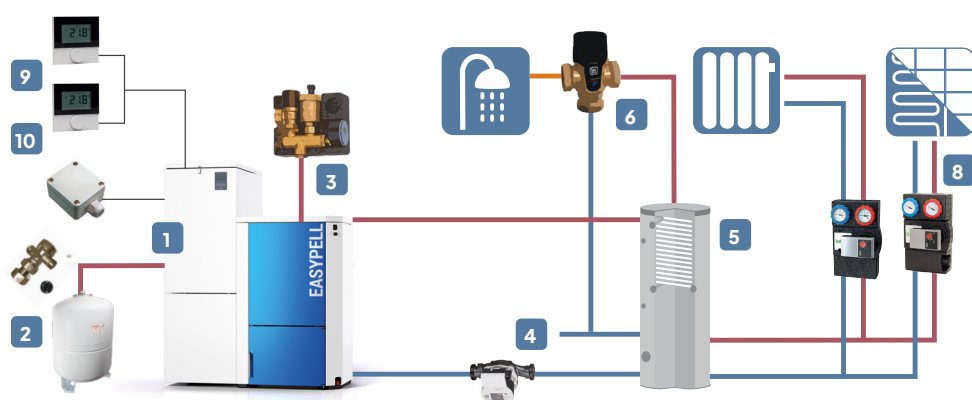
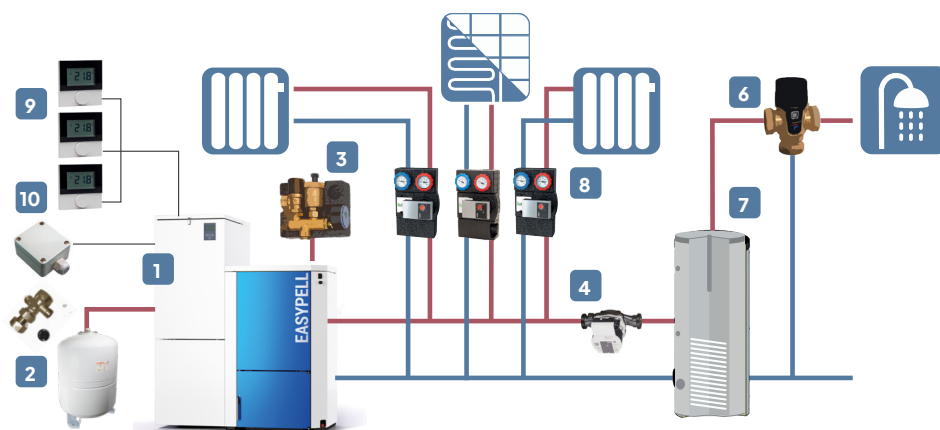
LOW MAINTENANCE TECHNOLOGY

Due to the automatic cleaning unit and burner deashing, there is only one yearly cleaning maintenance necessary. The large volume ashtray permits to store the ash and empty it only every 1 - 2 months.



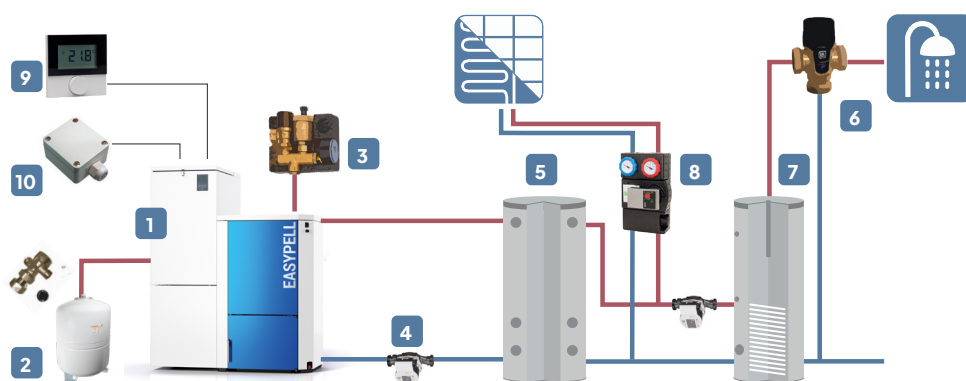
HYDRAULICS IN PRACTICE

DIRECT HEATING FOR UP TO 3 INDEPENDENT CIRCUITS WITH OR WITHOUT DOMESTIC HOT WATER TANK



BUFFER TANK CONTROL WITH UP TO 2 HEATING CIRCUITS AND DHW FROM DIRECT COIL OR MODULE

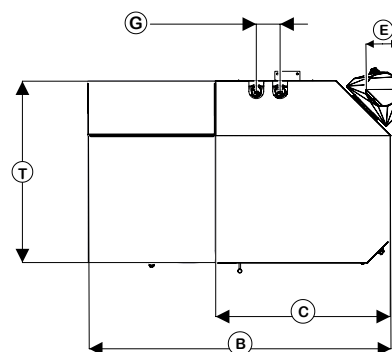
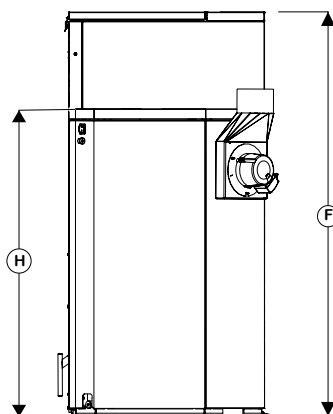
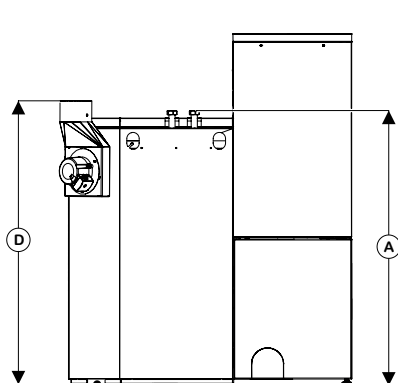
BUFFER TANK CONTROL FOR ONE HEATING CIRCUIT AND DOMESTIC HOT WATER TANK



- 1 EASYPELL pellet boiler 16/20/25/32 kW
- 2 Expansion vessel 25–150 l
- 3 Safety unit with or without connection set
- 4 Buffer or domestic hot water tank loading pump
- 5 Buffer or combined tank
- 6 Fresh water safety mixing valve

- 7 Domestic hot water tank 200 to 500 l
- 8 Pump group for direct, fixed temperature or mixer circuits, with PWM signal input (with 2 or 3 way distributor, if required).
- 9 Room thermostat
- 10 Outdoor temperature sensor

SPECIFICATIONS



Designation			EASYPELL 16	EASYPELL 20	EASYPELL 25	EASYPELL 32
Boiler - rated power		kW	16	20	25	32
Boiler - partial load		kW	5	6	8	10
Width - total	B	mm	1145		1145	
Width - boiler	C	mm	665		703	
Height - boiler	H	mm	1092		1294	
Height - filler unit	F	mm	1425		1525	
Height - filling unit full open		mm	1910		2001	
Depth - boiler	T	mm	720		770	
Min. door width for access		mm	680		730	
Flow / return connection Ø		inches	1"		1"	
Flow / return connection height	A	mm	1120		1310	
Flow / return connection width	G	mm	90		90	
Flue pipe connecting height	D	mm	1155		1350	
Weight		kg	345		420	
Seasonal space heating energy efficiency in active mode		η _{son}	84	85	86	87
Seasonal space heating energy efficiency		η _s	80	81	82	83
Energy efficiency class			A+	A+	A+	A+
EEL Energy Efficiency Index			118	119	120	122
Water content		l	70		108	
Hopper capacity: full (with slide)		l/kg	254(232) / 165(150)		282(260) / 185(170)	
Flame chamber temperature		°C	700 - 900			
Draft requirement rated power / partial load		mbar	0,08 / 0,03			
Flue gas temperature rated power		°C	160			
Flue gas temperature partial load		°C	100			
Flue gas tube diameter (at the boiler)	E	mm	130		150	
Flue diameter		as per chimney calculation				
Flue constitution		withstand humidity				
Electrical connection		230 VAC, 50 Hz, 10 A				
Noise level		dB	43,7 ± 3,2			

EASYPELL

Eco Engineering 2050 GmbH

Gewerbepark 1

A-4133 Niederkappel, AT

+43 7286 7450 800

office@easypell.com

easypell.com



Part of the
ÖkoFEN
group

Your EASYPELL Partner: