

EASYPELL

CENTRAL HEATING PELLET BOILER



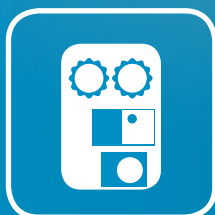
AFFORDABLE, RELIABLE AND HIGH-EFFICIENT.



HEATING



DOMESTIC
HOT WATER



EQUIPMENT

PRODUCT BROCHURE



HEAT MANAGEMENT FOR THE ENTIRE HOME

FOR ALL OUTPUT SYSTEMS

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



HEATING MANAGEMENT

NEW

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



BUFFER LOGIC

NEW

The new controller allows to connect 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.



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 of the boiler just once a year.



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.



HOPPER INCLUDED

You enjoy more autonomy with the big hopper, 165kg for 16/20kW and 190kg for 25/32kW



NEW



THE FOCUS ON THE ESSENTIAL BRINGS YOU REMARKABLE BENEFITS

SAFE HOPPER

Airtight hopper with opening
sensor to avoid malfunction



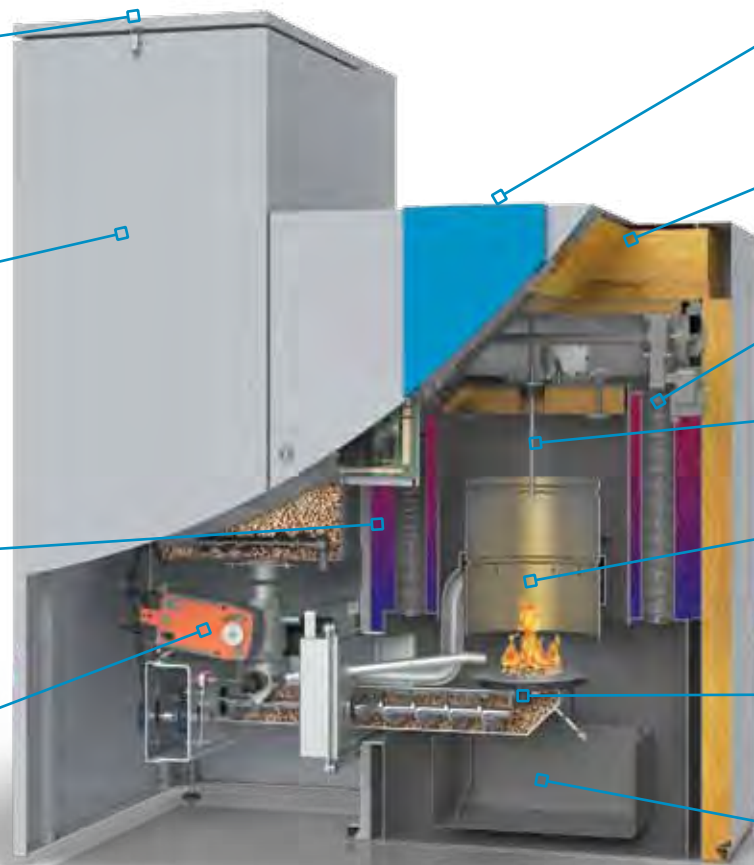
**PELLETS HOPPER
WITH LARGE CAPACITY**
Now with higher autonomy
16/20 165kg
25/32 190kg

INTEGRATED RETURN TEMPERATURE ELEVATION

Avoid boiler condensing and
damage without any extra
external connection

CERTIFIED BURN BACK PROTECTION VALVE

completely safe with
double gas-tight seal



HIGHLY
95,3%
EFFICIENT

ECONOMICAL

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

MADE IN
AUSTRIA



QUALITY

Easypell boilers are designed and built in Austria under the ÖkoFEN standard.

More than 70.000 units working with this system worldwide, makes you expect a reliable and trouble free operation 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 last operation without intervention.



COMPACT CONTROL PANEL
simply to use and program

ISOLATION
100 mm to avoid temperature loss



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



HIGH CAPACITY ASHTRAY
Easy to empty



UNDERFEED BURNER PLATE

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



FLEXIBLE POWER RANGE

Due to our flexible power adjustment system and approved long term maximum power output you can use Easypell for almost all single family household heating requirements, 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.

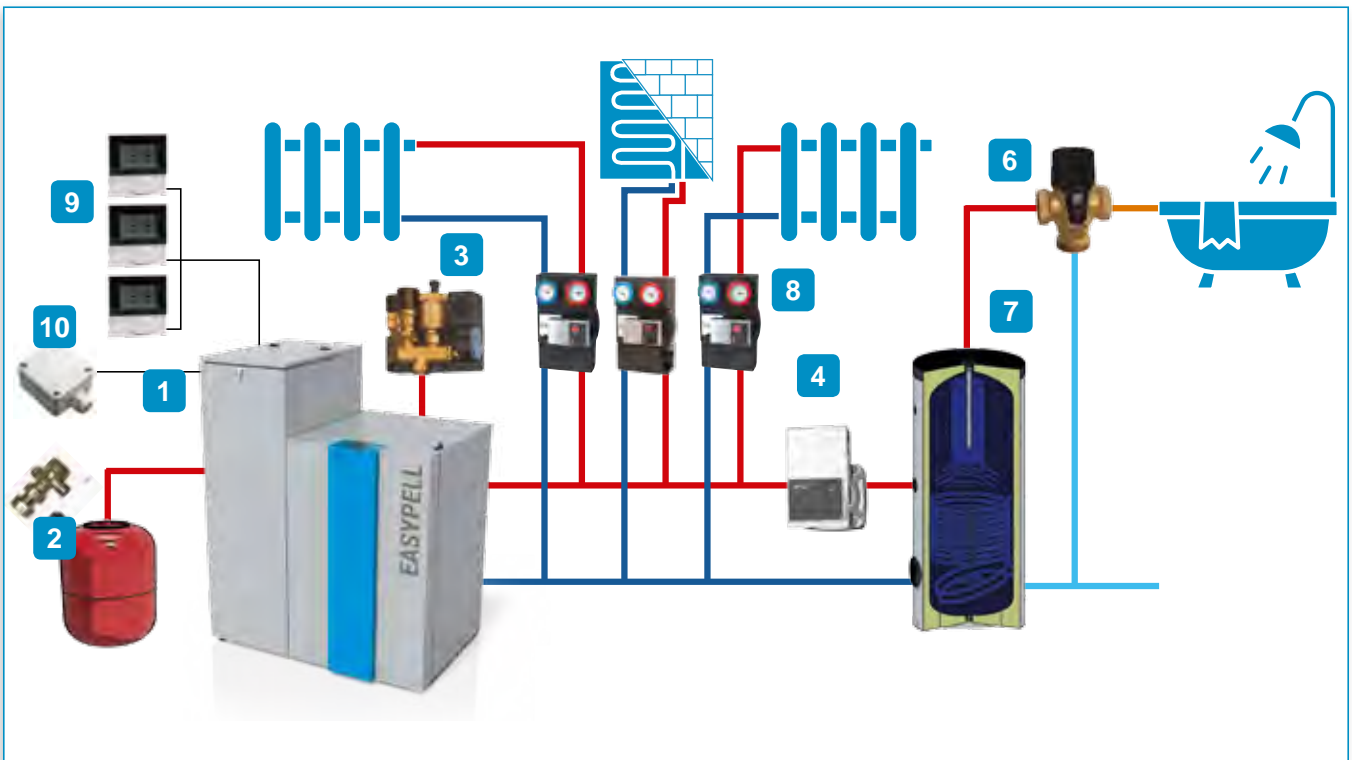
The large volume ashtray permits to store the ash and empty it only every 1-2 month.



HEAT MANAGEMENT FOR THE ENTIRE HOME

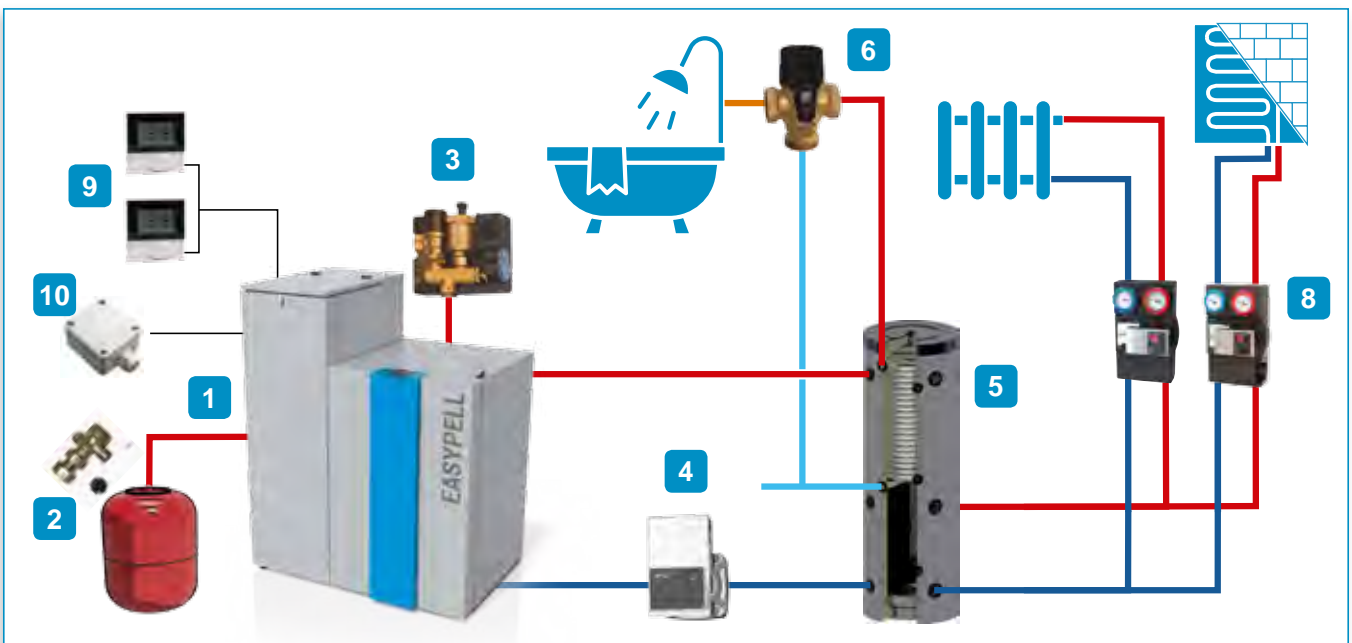
1

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



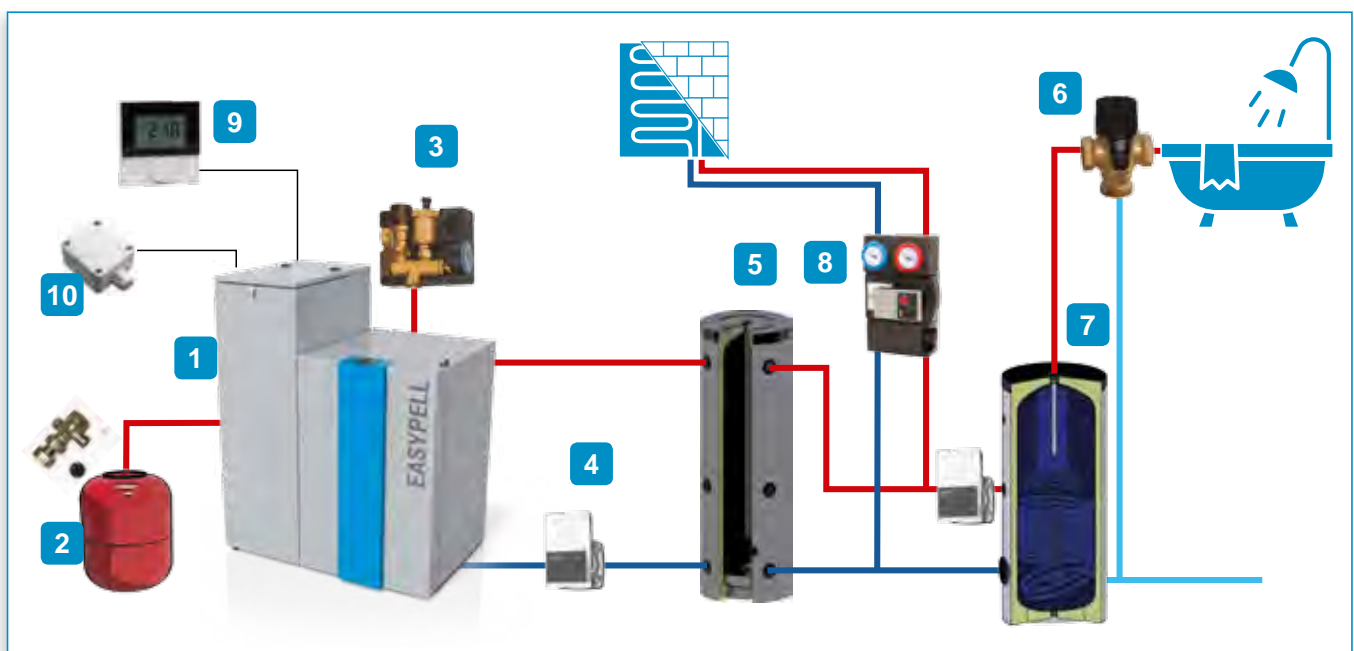
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BUFFER TANK CONTROL WITH UP TO 2 HEATING CIRCUITS AND
DHW FROM DIRECT COIL OR MODULE



3

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



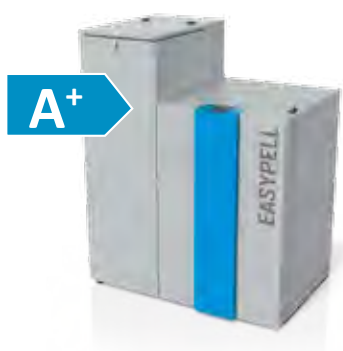
- 1 Easypell pellet boiler 16/20/25/32 kW
- 2 Expansion vessel 25-150 l
- 3 Safety unit with or without connection set
- 4 Buffer or domestic hot water tank loading pump
- 5 Buffer or combined tank
- 6 Fresh water safety mixing valve
- 7 Domestic hot water tank 300 or 500l
- 8 Pump group for direct, fixed temperature or mixer circuits, with PWM signal input. (with 2 or 3 way distributor, if required)
- 9 Room thermostat
- 10 Outdoor temperature sensor



FACTS & PRICE





PELLET BOILER

Automatic pellet boiler including pellet deposit burner, automatic cleaning unit, controller for direct heating circuit and DHW connection, return flow temperature elevation, ashtray and DHW sensor.



Art.No.	Description
200008	Easypell 16 performance range 5-16 kW
200017	Easypell 25 performance range 7-25 kW
200018	Set - Cleaning spirales for performance adjustment 16 kW/20 kW
200019	Set - Cleaning spirales for performance adjustment 25 kW/32 kW
200100	Sensor and connector set Incl buffer & outdoor sensor w/connector thermostat, pwm connector & terminal block

ACCESORIOS

Art.No.	Descripción
	80021-1EP Buffer loading circulator unit 10-36 PWM1 Wilo Yonos Para RS25/7.0- PWM1, for direct connection between boiler and buffer
	80493 Pump set for unmixed HC DN25 Isol Wilo Yonos Para RSTG 15/7.5 90 mm centre distance incl. 3 m cable, secondary-side outlets 1" female thread, recommended use: DHW cylinders or up to 32 kW radiators
	80864 Pump set for fixed temperature HC DN25 Isol Wilo Yonos Para RSTG 15/7.5, 90 mm centre distance incl. 3 m cable, secondary-side outlets 1" female thread Temperature range 22-60 °C, recommended use: up to 15 kW underfloor heating or 28 kW radiators
	80495 Pump set for mixed HC DN25 Isol (only with external heat controller) Wilo Yonos Para RSTG 15/7.5, 90 mm centre distance incl. 3 m cable, secondary-side outlets 1" female thread Mixer with progressive control, KVS value: 2-8, recommended use: up to 18 kW underfloor heating or 32 kW radiators

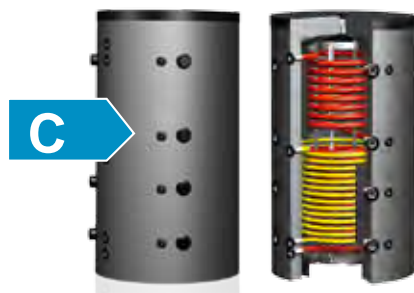


	Art.No.	Descripción	
	80492-1	Universal pump PWM signal cable 3 m, for individual heating circuit and buffer management	
	80805	Distributor for 2 heating circuits for 2 heating circuits incl. insulation, centre distance: 90 mm	
	80806	Distributor for 3 heating circuits for 3 heating circuits incl. insulation, centre distance: 90 mm	
	80807	Wall bracket for distributor For boilers with no option to fit pumps directly	
	80872	Connection set pump groups 16/20/25/32 kW 22 mm steel pipe, centre distance: 90 mm, connectors, incl. manometer, safety valve and isolation	
	80871 80911	Expansion vessel 25L for floor or wall mounting, max 6 bar 90°C with connection set incl drain connection, cap valve, connecting pipe and foot or wall bracket	floor wall
	80909 80910 80365	Expansion vessel Membrane expansion vessel, incl. feet max. 6 bar 90°C	50L 100L 150L
	80881 80366	Cap valve connection set for expansion vessel 3/4" (25/50L) or 1" (100/150L)	3/4" 1"
	26162	Safety assembly set 1" female with isolation	
	80126	Fresh water safety mixing valve with double check valve 1" with connections, set temperatur 30-65°C, up to 50 l/min	



FACTS & PRICE

BUFFER TANK WITH OR WITHOUT DHW COIL, SOLAR COIL AND ENAMELLED DHW TANKS



- Stainless steel ripped heat exchanger pipe for instant DHW production
- Solar coil for 2 circuits (800/1000l)
- 95°C max operating temperature
- 3 bar max working pressure
- 10 bar max DHW serpentine pressure
- Ready insulated till 500l, 100mm fleece insulation for 600-1000l

BUFFER TANK



Art.No.	Volume (l)	Diameter without insulation (mm)	Height (mm)	Diameter with insulation (mm)
SP600	600	700	1700	900
SP1000	1000	790	2090	990

COMBINED TANK (FOR INSTANT DHW WITH INOX COIL)



Art.No.	Volume (l)	Diameter with insulation (mm)	Height (mm)	Max. water delivery (l/min)
HSP350	350	600	1825	30
HSP500	500	750	1623	30

SOLAR BUFFER AND SOLAR COMBINED TANK



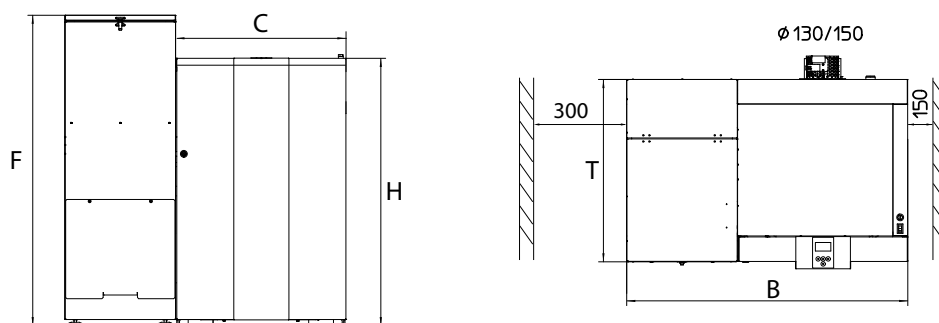
Art.No.	Volume (l)	Diameter without/with insulation (mm)	Height (mm)	Max. water delivery (l/min)
SPR2800	800	790 / 990	1760	only buffer
HSPR2800	800	790 / 990	1760	30
HSPR21000	1000	790 / 990	2090	50

with 2 solar heat exchanger serpentes included

DOMESTIC HOT WATER TANK (ENAMELLED WITH MAGNESIUM ANODE)



Art.No.	Volume (l)	Heat exchanger surface	Diameter with insulation (mm)	Height (mm)
BSR2300	300	1,0 / 1,4	650	1532
BSR2500	500	1,2 / 1,8	750	1777



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	1 147		1 179	
Width - boiler	C	mm	695		728,5	
Height - boiler	H	mm	1 091		1 242	
Height - filler unit	F	mm	1 417		1 517	
Height - filling unit open		mm	1930		2030	
Depth - boiler	T	mm	752		796,5	
Min. door width for access		mm	720		765	
Flow / return connection Ø		inches	1''		5/4''	
Flow / return connection height		mm	905		1 110	
Flue pipe connecting height		mm	645		844	
Weight		kg	320		400	
Boiler efficiency rated power		%	93,1	93,6	94,3	95,3
Boiler efficiency partial load		%	91,5	92,3	93,3	94,7
Energy efficiency class			A+	A+	A+	A+
EEl Energy Efficiency Index			118,67	119,84	121,18	123,04
Water content		l	70		108	
Hopper capacity		kg	165		190	
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)		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			



Eco Engineering 2050 GmbH

Mühlgasse 9

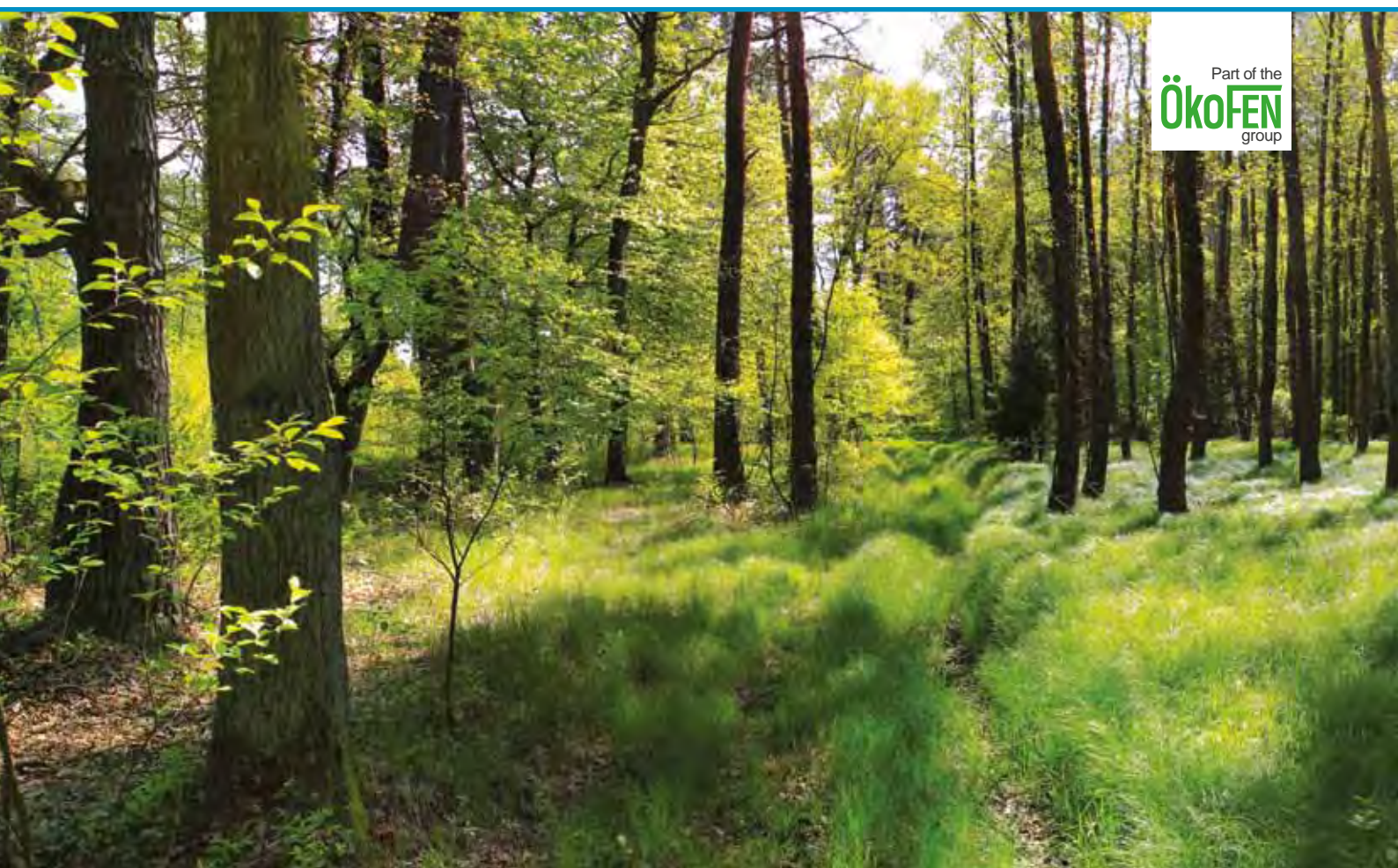
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AUTHORIZED INSTALLER: