

350 kW

650 kW

950 kW



## THE PEFERCET ENERGY SOLUTION FOR FARMS

- ✓ Suitable for grain drying and heating of stables, greenhouses, etc
- ✓ Flexible use of AGRO fuels
- ✓ Easy to use and cost effective
- ✓ Huge water storage allows over night heating without fuel handling
- ✓ 100% automatic control with start-up / support oil burner
- ✓ Turn-key solution

COST SAVING		
FUEL	FUEL COST*	HEATING COST
Straw	25 €/t	0,8 Cent/kWh
Wood	35 €/t	1,5 Cent/kWh
Natural gas	0,25 Cent/m <sup>3</sup>	2,8 Cent/kWh
LPG	75 Cent/l	8,3 Cent/kWh
Heating oil	115 Cent/l	12,8 Cent/kWh

\* ... source: EU statistics December 2011



### 1x Rectangular straw bale

Max. Dimension:  
d= 1,2 x 1,2 x 2,5m  
Weight ~500kg



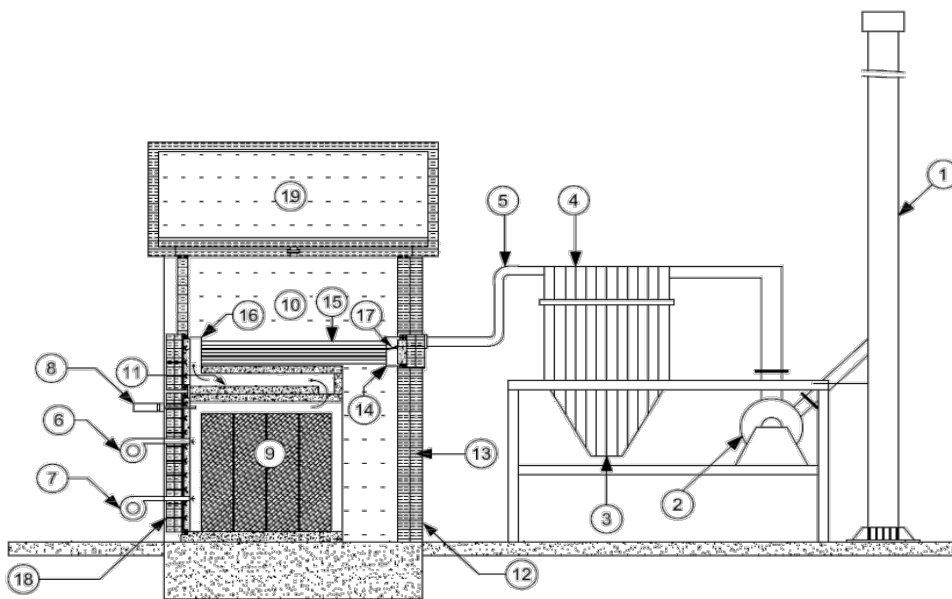
### Fire wood / logs

Max. Dimension: L = 2,5m



### 2x round straw bales

Max. Dimension:  
d =1,5m / B = 1,2m  
Weight ~2x 300kg



1. Stack
2. ID fan
3. Fly ash extraction
4. OPTION: Multi cyclone
5. Flue gas duct
6. Secondary air
7. Primary air
8. Ignition burner
9. Straw bale
10. Water storage tank
11. Combustion chamber
12. Profiled steel plates
13. Insulation
14. Flue gas box
15. Fire tubes
16. Turning chamber
17. Temperature Control damper
18. Furnace gate
19. Expansion tank

ACCUMULATION CAPACITY			
	350 kW	650 kW	950 kW
<b>Plant efficiency</b>	~80%	~80%	~80%
<b>Bales</b>	2,0 – 2,4MWh 5,7 – 6,9 h	2,0 – 2,4MWh 3,1 – 3,7 h	2,0 – 2,4MWh 2,1 – 2,5 h
<b>Water tank*</b>	3,1 MWh 8,9 h	5,0 MWh 7,7 h	6,3 MWh 6,6 h
<b>Max. time without bale feed-in</b>	14,6 – 15,7 h	10,8 – 11,4 h	8,7 – 9,2 h

\* ... Water tank is integrated in the concept. Calculations base on a temperature drop from 105°C to 50°C.

\*\* ... When the accumulation tank and the combustion chamber are fully loaded

## TECHNOLOGY PARTNER

- ✓ Turn-key solution out of one hand
- ✓ Over 25 year experience in straw combustion
- ✓ Over 100 boiler in operation

## *BUDGET OFFER – AGRO heating devices*

### *ACU 350kW*

Total price	=	<b>108.000 EUR</b>
Take-out price for building is	-	<b>9.000 EUR</b>
Take-out price for cyclone is	-	<b>5.500 EUR</b>

### *ACU 650kW*

Total price	=	<b>118.000 EUR</b>
Take-out price for building is	-	<b>10.000 EUR</b>
Take-out price for cyclone is	-	<b>6.000 EUR</b>

### *ACU 950kW*

Total price	=	<b>136.000 EUR</b>
Take-out price for building is	-	<b>11.000 EUR</b>
Take-out price for cyclone is	-	<b>7.900 EUR</b>

#### Delivery includes:

- Boiler with furnace and accumulation tank
- Stack
- ID fan with Hz control
- FD fan
- Ignition burners (oil)
- Insulation and cladding of boiler
- Instrumentation and local control panel
- Building (option)
- Cyclone (option)

#### Not included:

- Transport and unloading
- Foundation work on-site and building erection
- Mounting and connection piping to existing systems

Prices: net excl. taxes, EXW, DK

Payment terms: 30 days after invoicing

- 30 % down payment (contract / order)
- 70 % supply readiness