

Centrometal

HEATING TECHNIQUE

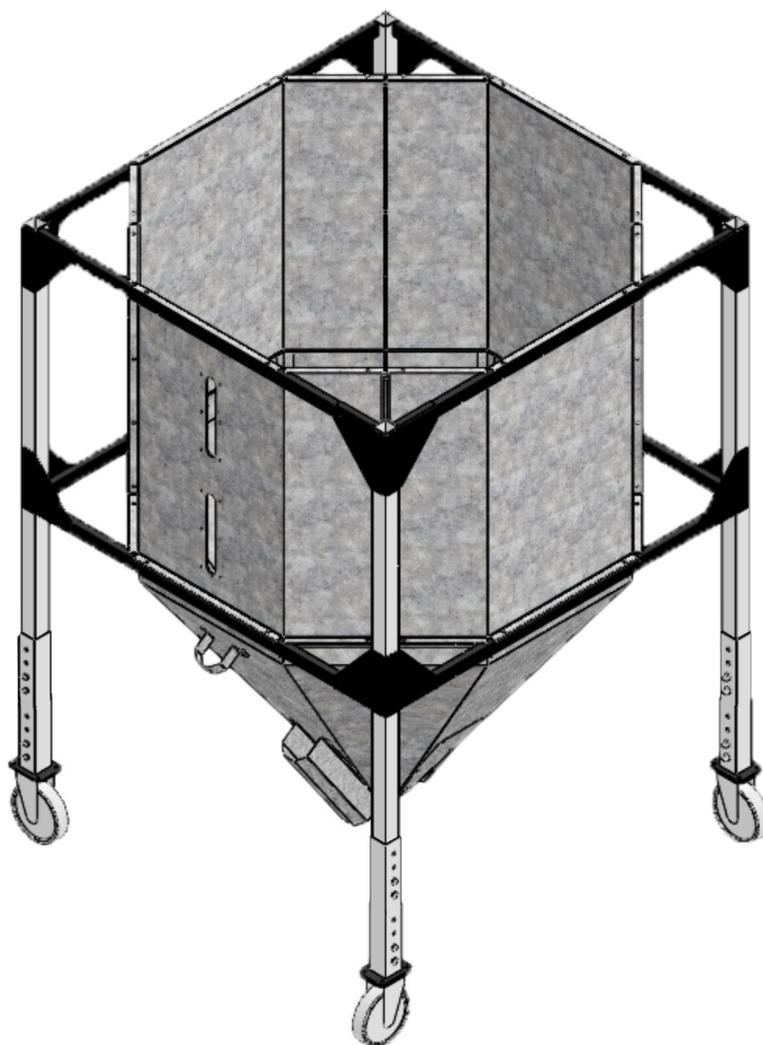
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ENG

TECHNICAL INSTRUCTIONS

for installation, use and maintenance of the
pellet tank and screw feeder

CE



CentroPelet box

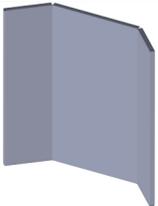
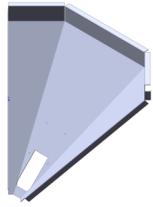
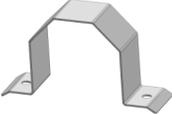
1.0. GENERAL

The pellet tank CentroPelet box is constructed for keeping **wood pellets**. The pellet tank is constructed and designed in a modern way and made out of galvanized steel sheet. The pellet tank is made in two versions. Version A is a tank for CPPL 90 with related screw feeder. Version B is a pellet tank for CPPL 200-600 with related screw feeder.

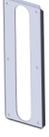
2.0. DELIVERY STATUS

The pellet tank is delivered in parts, ready for assembling and packed in wooden box. The screw feeder is delivered separately, packed in cardboard box, and ready for installation together with feeding tube.

2.1. STANDARD CONTENT OF THE WOODEN BOX

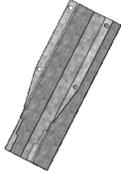
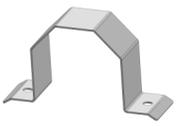
| | | | |
|--------------------------|---|-----------------------|---|
| Leg |  | Upper side |  |
| | | Lower side |  |
| Wheels |  | Lid of the lower side |  |
| Leg extension |  | Bottom lid |  |
| Binding rectangular tube |  | Transporter clamp |  |
| Front upper side |  | Clamp |  |

Standard connect of the wooden box, option - 2 screw feeder (additional equipment)

| | | | |
|--|---|------------------------------|---|
| Plexiglass protection |  | Screw M8x25 with pad and nut |  |
| Screw with semiround head M5x15 and pad |  | Screw M8x50 with pad and nut |  |
| Screw with semiround head M6x15 with pad and nut |  | Screw M8x60 with pad and nut |  |
| Screw M10x25 mm with pad and nut |  | | |

2.2. OPTION - 2 SCREW FEEDER (additional equipment)

If the pellet tank is ordered with the two screw feeders, pellet tank is delivered with following parts:

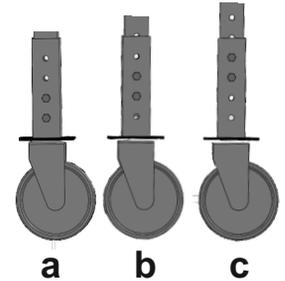
| | |
|--------------------|---|
| Bottom cover |  |
| Screw feeder clamp |  |
| Clamp |  |

3.0. TEHNICAL DATA

* Depends on the pellet type.

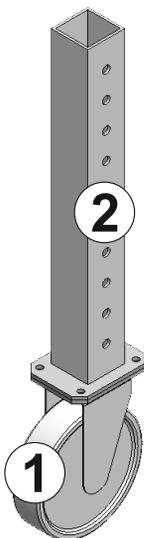
| CentroPelet box | 1500 | 2700 | 3400 | 4000 |
|----------------------------------|----------------|----------------|----------------|----------------|
| Volume [l] | cca. 1200 | cca. 2700 | cca. 3400 | cca. 4000 |
| Capacity* [kg] | 780 | 1755 | 2210 | 2600 |
| Width [mm] | 1180 | 1645 | 1645 | 1936 |
| Depth [mm] | 1180 | 1645 | 1645 | 1936 |
| Height** _(a/b/c) [mm] | 1795/1845/1895 | 2275/2325/2375 | 2715/2765/2815 | 2510/2560/2610 |

** The tank height depends on wheel mounting way with a leg extension on the tank.



4.0. ASSEMBLAGE

The assemblage order of the pellet tank and the screw feeder is shown in the following figures.



1. Assembling of the leg extension and wheel

A - screw M10x25 mm
with pad ϕ 10 and nut M10

1. leg extension
2. wheel

Assemble the legs and the wheels with screws, pads and nuts.

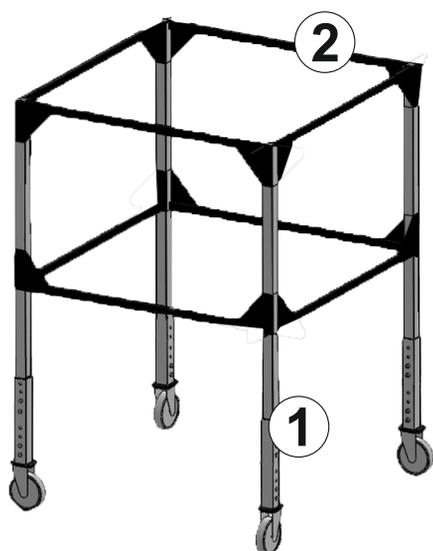


2. Assembling of the wheel with the leg extension

A - screw M12x90 mm
with pad ϕ 12 and nut M12

1. wheel with leg extension
2. leg

Assemble the wheel with the leg extension with screws, pads and nuts.

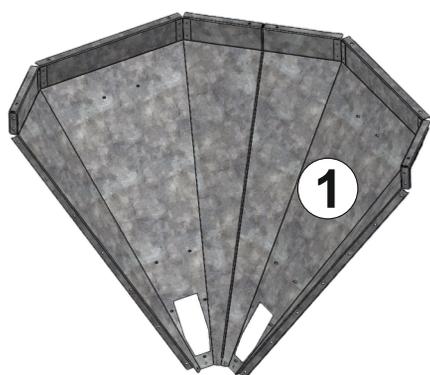


3. The legs connection with linkage rectangular pipe 40x30

A - screw M8x50 mm
with pad $\phi 8$ and nut M8

1. leg
2. linkage rectangular pipe 40x30

Assemble 4 legs with 2 lines of linkage rectangular pipes.

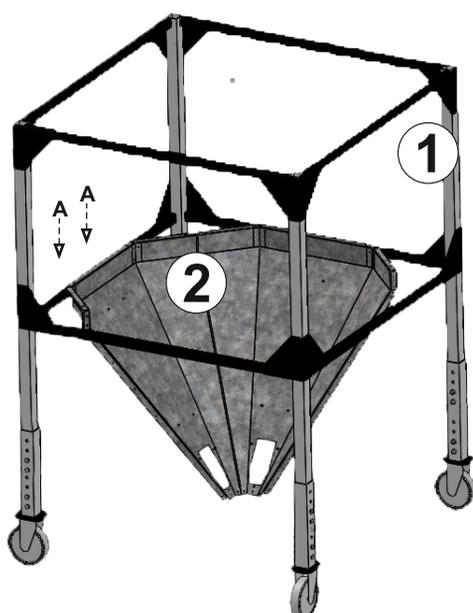


4. The lower sides connection

A - screw M8x25 mm
with pad $\phi 8$ and nut M8

1. lower side

Connect two by two lower sides with screws in the same way as shown in the figure.

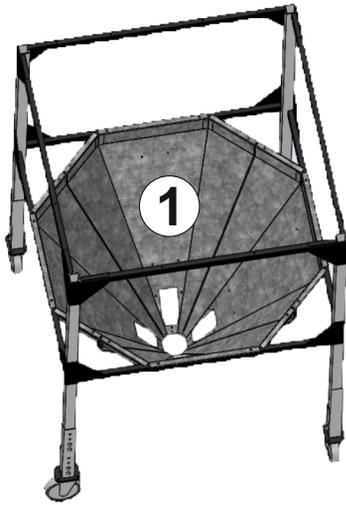


5. Attaching the lower sides to the construction

A - screw M8x60 mm
with pad $\phi 8$ and nut M8

1. construction
2. assembly of the lower sides

On the construction attach the assembly of the lower sides and tighten it with screws.

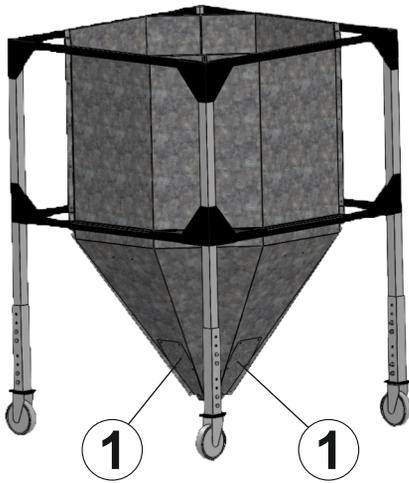


6. Attaching the lower sides assembly

A - screw M8x25 mm
with pad ϕ 8 and nut M8

1. the lower sides assembly

On the construction attach the lower sides assembly and tighten it with screws.

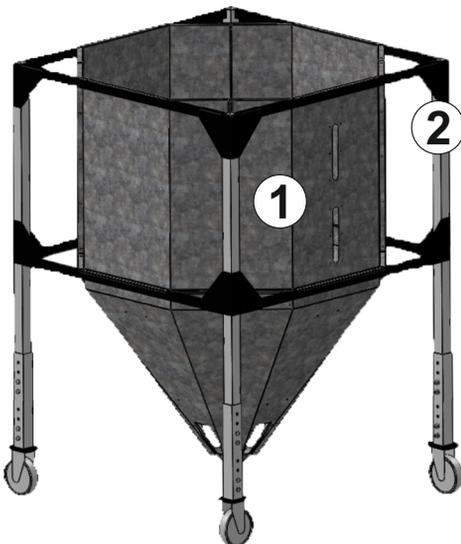


7. Attaching the lids of the lower sides

A - screw M5x15 mm
with pad ϕ 5

1. lids of the lower sides

On 3 sides, on which the screw feeder will not be installed, put the lids and fasten it with screws, pads and nuts.



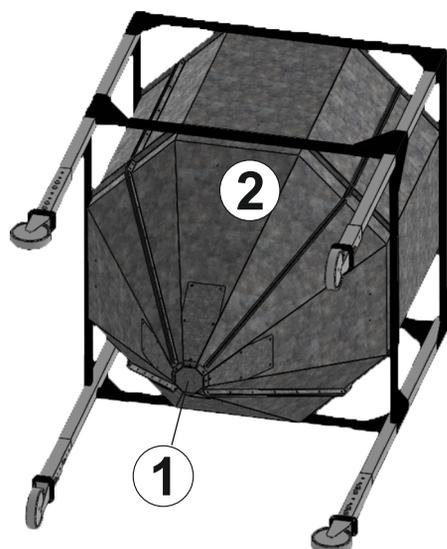
8. Attaching the upper sides to the tank

A - screw M8x60 mm
with pad ϕ 8 and nut M8

B - screw M8x25 mm
with pad ϕ 8 and nut M8

1. upper side
2. construction

Adjust the upper sides and attach them to the construction with M8x60 screws, pads and nuts. All upper sides have to be attached to each other with M8x25 screws, pads and nuts.

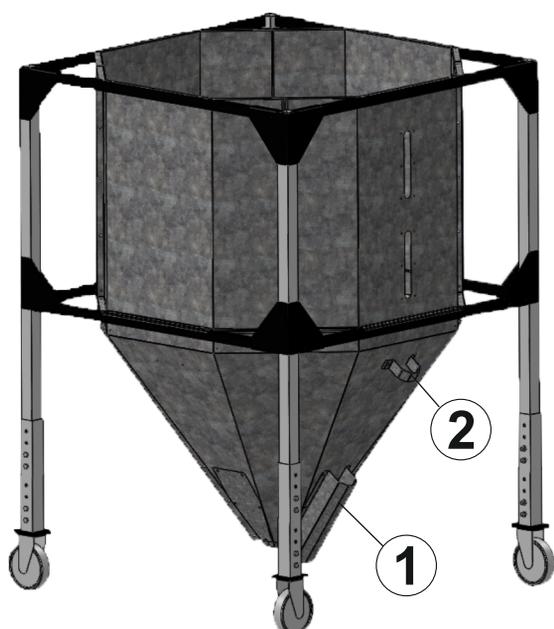


9. The bottom lid assemblage

A - screw M8x25 mm
with pad $\phi 8$

1. bottom lid
2. tank

Assemble the bottom lid with the screws.

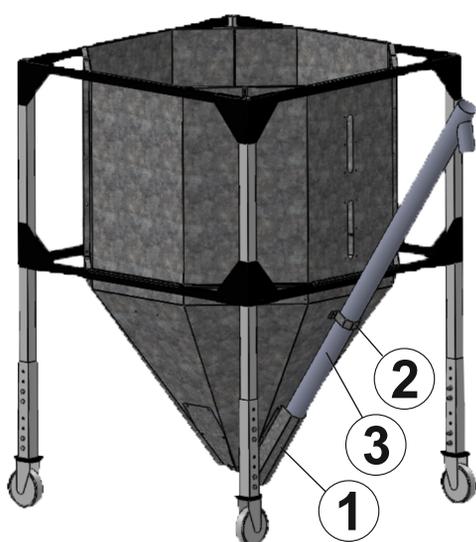


10. The clamp assemblage

A - screw M5x15 mm with pad $\phi 5$

1. screw feeder clamp
2. clamp

To the front lower side attach the clamp and the transporter clamp with screws. Tighten it slightly(not completely), so the screw feeder can be easier installed.



11. The screw feeder assemblage

1. screw feeder clamp
2. clamp
3. screw feeder

Insert the screw feeder through the screw feeder clamp and tighten it with screws.

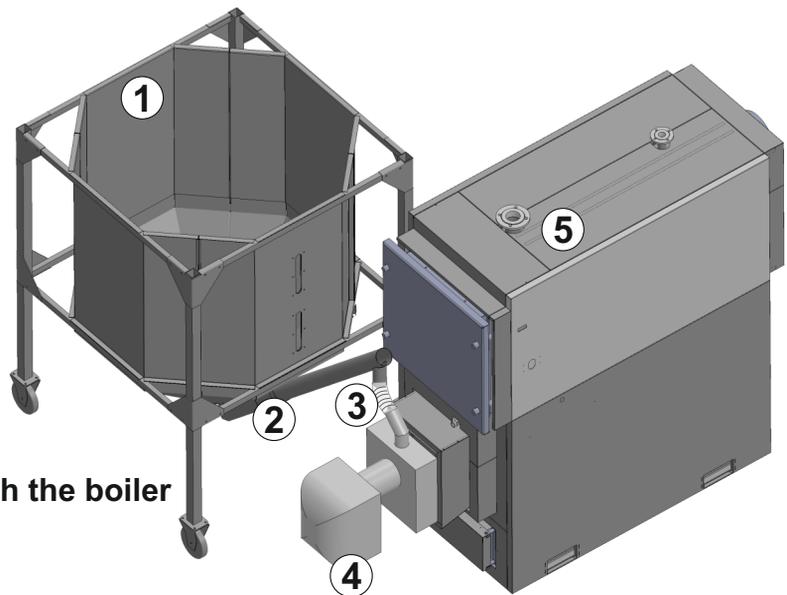
5.0. BOILER INSTALLATION AND MAINTENANCE

The pellet tank has to be placed next to the boiler to its right side (recommended) or left side and to the solid base which is in the same level as the boiler. The feeding tube of the screw feeder has to be connected to the pellet burner, so pellets can fall by free fall into the burner without barriers, i.e. the pellet tube has to be set in a way which prevent pellet stopping inside the feeding tube. The connector of the screw feeder motor has to be connected with the pellet burner regulation. Filling with pellets has to be done from the upper side of the pellet tank.

The pellet tank cleaning has to be done if it is necessary, i.e. if some dust is accumulated on the bottom of the pellet tank. Before cleaning it is necessary to take off the screw feeder and it is recommended to clean them. After the pellet tank and the screw feeder are cleaned it is necessary to set them up again.

Delivery with CPPL 200-600

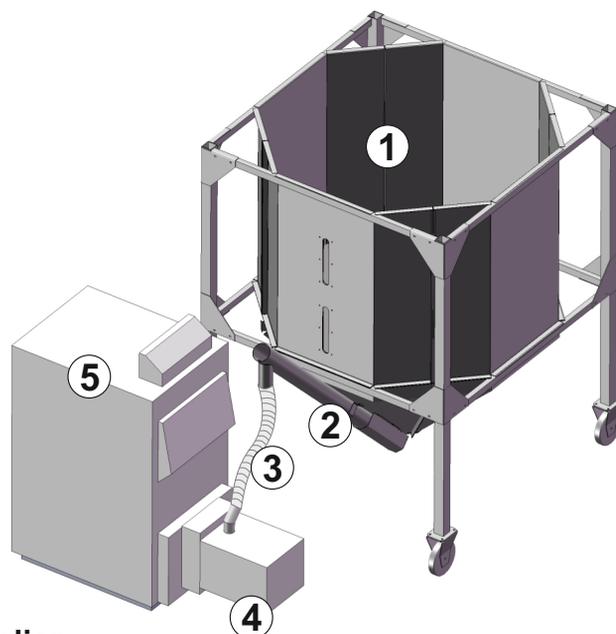
1. pellet tank
2. screw feeder
3. feeding tube
4. pellet burner
5. boiler



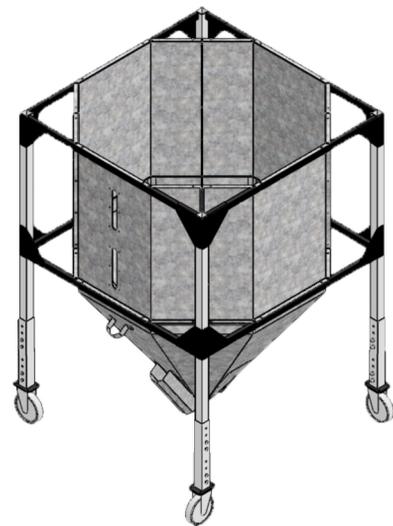
Assemblage of the pellet tank with the boiler

Delivery with CPPL 90

1. pellet tank
2. screw feeder
3. feeding tube
4. pellet burner
5. boiler



Assemblage of the pellet tank with boiler



Company assumes no responsibility for possible inaccuracies in this book originated typographical errors or rewriting, all the pictures and diagrams are principal and it is necessary to adjust each actual situation on the field, in any case the company reserves the right to enter their own products such modifications as considered necessary.

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