



OPERATING INSTRUCTIONS

CALOR KETTLE

FOR MELTING BITUMEN



REGULATION REFERENCES

DPR 547/55 - DPR 303/56 - D.Lgs 81/08 - D.Lgs 277/91 - EN559 - ISO 3821 - EN731



www.calloni.it

CALOR KETTLE

■ FOR MELTING BITUMEN



■ **Calor kettle for melting bitumen complete kit**

Available sizes: Lt 65, Lt 125, Lt 200, Lt 250

It includes:

- Calor kettle
- Burner
- Rubber hose EN559
- Regulator with safety valve
- 1" ½ tap

Calloni makes a range of kettles for melting bitumen.

The Calor kettles have been designed in every single detail to facilitate their use and make the operator's job easier. These kettles allow the preparation of the bitumen in just 15 minutes, thanks to the power of the 5-flame burner and to their special structure.

In fact, they are composed of two separable parts which assure a complete distribution of the heat all over the kettle and keep it inside, thanks to an insulating hollow space.

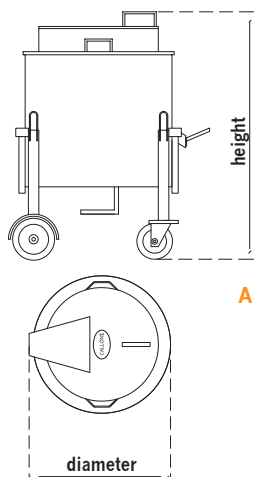
Our kettles assure a very high output and they are not only easy to use, but also easy to move, as they are equipped with four wheels, hooks and handles for the lifting.

Moreover the internal part (inner pan) can be taken out. It would be better to clean it frequently for a steady output and a minimum consumption.

The Calor kettle is available in four different sizes.

CALOR KETTLE

SPECIFICATIONS



A - Calor Kettle

SPECIFICATIONS

Code	Description	Capacity	Weight	Diameter	Height
	CALOR Kettle	Lt	Kg	cm	cm
1006.065	lt. 65	65	88	55	98
1006.125	lt. 125	125	124	70	110
1006.200	lt. 200	200	143	80	110
1006.250	lt. 250	250	165	90	110



B - Outer case

SPECIFICATIONS

Code	Description	Capacity	Weight	Diameter	Height
	Outer case	Lt	Kg	cm	cm
1006.E065	lt. 65	65	54,5	51	80
1006.E125	lt. 125	125	73	64	93
1006.E200	lt. 200	200	82,3	74	93
1006.E250	lt. 250	250	93	86	93



C - Inner pan with tap

SPECIFICATIONS

Code	Description	Capacity	Weight	Diameter	Height
	Inner pan	Lt	Kg	cm	cm
1006.I065	lt. 65	65	33,5	55	61
1006.I125	lt. 125	125	51	70	74
1006.I200	lt. 200	200	60,7	80	74
1006.I250	lt. 250	250	72	90	74

CALOR KETTLE

■ INSTRUCTIONS FOR USE

■ HOW TO ASSEMBLE THE KETTLE TAP



1. Open the lid and take the inner pan out.



2. Connect the 1" 1/2 tap on the threaded outlet.



3. Tighten the 1" 1/2 tap with a 50 mm spanner. Be sure that the outlet is turned downwards.



4. Put the inner pan back into the outer case and close the lid.

CALOR KETTLE

■ INSTRUCTIONS FOR USE

■ HOW TO LIGHT THE KETTLE BURNER



1. Connect the regulator with safety valve to the gas cylinder. Press the plastic button and light the 5-flame burner with a flint spark lighter.



2. Put the 5-flame burner under the kettle on its square stand.



3. Open the kettle lid and put the first bitumen ingot inside. Close the lid immediately. Repeat the operation for the remaining bitumen to be melted.



4. Always keep the kettle lid closed while working. After 15/20 minutes, turn on the tap to let the melted bitumen out.

PAY ATTENTION!

After using the kettle, you must verify that no residual material lies on the bottom of the inner pan, if so, clean it to take away any burnt bitumen.

CALOR KETTLE

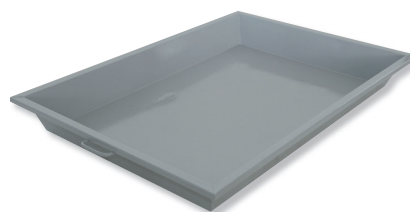
■ INSTRUCTIONS FOR USE

■ ADVICE FOR USE

In order to melt the bitumen with a high output and a low gas consumption and without damaging the kettle, it would be better to keep the flame low at the beginning, while you are putting the first ingots of bitumen, and then, when the melted bitumen covers the bottom of the kettle completely, you can turn up the flame and keep on adding ingots of bitumen. Try to keep the T-shaped pipe inside the kettle always covered by bitumen.

The melted bitumen, which will be drained out of the kettle through a 1½" tap, will be replaced by bitumen to be melted. In this way you can have a load of bitumen every 15 minutes.

It is not necessary to heat the 1½" tap to remove any lumps of bitumen that stop the flow, because the 5-flame burner is right under the tap and keeps the area always warm avoiding these problems.



■ *Overspill tray for Calor kettle to avoid any spillage of bitumen that could cause a fire.*

■ MAINTENANCE AND CLEANING

After using the kettle, you must verify that no residual material lies on the bottom of the inner pan, if so, clean it.

First take out the inner pan, then take off the lid (taking out the pivots of the hinges) and turn the inner pan upside down.

Now beat the bottom of the inner pan with a hammer to remove the bitumen settled on the bottom.

Perform this operation when the kettle is still a bit warm to facilitate the removal of the residual bitumen.

If you clean the kettle frequently, it will last longer. In fact the layer of burnt bitumen left on the bottom, not only extends the time of setup and causes a waste of gas, but also acts as a hollow space. This will cause, in the long run, the melting of the bottom of the kettle and of its weldings.

CALOR KETTLE

■ SAFETY INSTRUCTIONS

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1. Use this kettle only after reading the operating instructions.
2. Work in a well ventilated place.
3. Put the kettle on a top surface where it cannot turn upside down.
4. Check that the surface is made of concrete or similar material, in any case it must not be made of inflammable material, and use the overspill tray to avoid any spillage of bitumen that could cause a fire.
5. Keep the gas cylinders in an upright position at a suitable distance and in a safe place where they cannot turn upside down or be damaged and far away from any sources of heat and flammable material.
6. Always verify the efficiency of the kettle, in particular, check periodically that the rubber hose of the burner is not worn out, if so, you need to replace it.
7. Check that the pressure regulator is working well. If it is equipped with safety valve, lubricate periodically with oil the small piston under the plastic button that you remove with a slight pressure upwards.
8. Never leave the kettle unattended when the burner is on.
9. Always turn off the tap of the gas cylinder whenever you leave it for a long time.
10. When you turn on the 1½" tap to drain the melted bitumen, do it slowly to avoid any sprays of melted bitumen.
11. While the kettle is working, never leave the lid open after putting a lot of bitumen to be melted. This could cause a self-combustion and the kettle could catch fire.
12. Do not handle or move the kettle while it is still hot and full of bitumen.
13. Always keep a fire extinguisher at hand in the working area.
14. Always wear protective clothing: gloves, glasses, a helmet, long-sleeved clothes, long trousers, safety shoes, a filter mask and ear protections.

In case of fire

Try to extinguish the fire with a fire extinguisher.

If the fire spreads out:

1. Call the fire brigade immediately.
2. Try to take the cylinder far away from the fire and turn the tap off.
3. Should the cylinder be surrounded by fire, try to cool the air around it without pouring water on it, it could burst due to thermal shock.
4. If nothing can be done, start up evacuation plan immediately.

In case of accident call the emergency