

# ROFROST RAPID No - 6.4030



## How it works:

The basic principle of the ROFROST RAPID - The Quick-Freeze freezing spray (6400 or 64001) is injected into the clamp through a hole provided, foam inside the clamp retains the liquid allowing it to evaporate slowly, rapidly cooling down the wall of the pipe until freezing the water inside the pipe.

**Important:** The liquid must be allowed to evaporate to achieve its maximum freezing temperature

## Before using your ROFROST RAPID please adhere to normal pipe freezing procedure:

1. Ensure there is no moving water within the pipework caused by pumps, gravity etc.
2. Ensure water is at an ambient temperature (not exceeding 20°C).
3. Ensure pipes to be frozen are properly cleaned and the surface is free from paint, grease, dirt etc.
4. Plastic pipes will take considerably longer than copper pipes to freeze.
5. If freezing the same length of pipe using two clamps, please ensure the clamps are no closer than 450mm (18").
6. Systems containing inhibitor at the correct dosage will take longer to freeze, because of its anti-freezing properties it will slow down the freezing effect. An overly strong concentration of inhibitor in a system may not allow the water to freeze!
7. Check you have sufficient Quick-Freeze spray to complete your job.

## Safety Information:

- Do not smoke. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
- Always use in well-ventilated area.
- Avoid contact with skin and eyes. Do not breathe fumes/spray vapour. This product will freeze skin.
- Wear appropriate safety equipment: goggles & gloves.

## Freezing Table Guide:

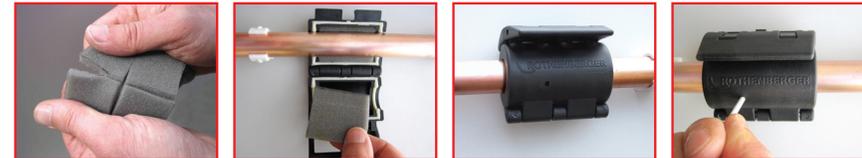
Pipe	Amount of fluid required	Time to form ice plug	Ice plug life
15mm Copper	90g	3-5 mins	20 mins
22mm Copper	150g	5-7 mins	25 mins

All of the above are based upon copper pipes filled with stationary cold water with a room temperature of 20°C.

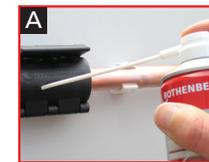
This freezing table is published as a guide only and several varying factors such as the pipe material, air and water temperatures can affect the time required to allow a suitable ice plug to form. Plastic, lead, iron and all steel pipes will take considerably longer to freeze!

## Fitting and operating instructions:

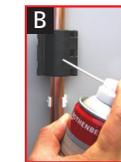
1. Tear foam segments from perforated sheets provided (thinner segments for 15mm – broader for 22mm) and place 2 x foam sections into the cavities of the device.
2. Fit clamp to pipe as illustrated (the clamps can be fitted to a clipped pipe!). Insert one end of straw into nozzle of the Quick-Freeze. Insert other end into the fluid intake hole of the device.



Clamps must be fitted correctly on vertical and horizontal pipework!



**Horizontal filling: A**  
Keep fluid intake hole level or lower



**Vertical filling: B**  
Keep large fluid intake hole at lower level. Small vent hole at high level.

3. Keeping Quick-Freeze can in an upright position, spray freeze spray steadily into the device, **NOT full bursts**. If fluid is seen exiting from the vent hole reduce flow! Frost should start to appear on body of the clamps.
4. Allow the liquid to evaporate within the device to achieve its maximum freezing effect. **If saturated with liquid, freezing is harder to achieve!**
5. To remove or open the device, hold the body of the clamp firmly in one hand and pull latch. Thumb can be used for leverage against grab lug when opening.
6. **Storage:** Place the clamps back in the case to keep them clean. **DO NOT** store clamps in the closed/locked position, this may result in damage to the seals.

## Tips:

- Keep adding Quick-Freeze (6.4000 or 6.4001) spray until work has been carried out and completed!
- Take care when removing straw from intake hole. Some fluid may eject from hole which has not yet evaporated!
- If you have difficulty forming an ice plug when room temperature is very hot, try placing cold wet tissues/cloth around the clamps to simulate colder room temperature and help ice plugs to form.
- If you have difficulty forming an ice plug within a pipe containing warm water, try placing cold wet tissue/cloth either side of the clamp. This should absorb any latent heat helping ice plug to form.
- If perforating a pipe to check if ice plugs have formed successfully and if freezing has not been successful and water continues to flow, use a **ROTHENBERGER Kibosh 15mm or 22mm Emergency Pipe Repair** to stop flow of water - then continue with the freezing process.

## Spares:

Quick Freeze Spray: 300g (6.4000) 500g (6.4001) Freezing Clamp: 15mm (6.4031) 22mm (6.4032)  
Foam Diecut: 15mm (6.4033) 22mm (6.4034)

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