



PORTABLE DRY ICE MAKER



The 'DILVAC' Portable Dry-Ice maker is the fastest way of providing a block of Dry-Ice to your lab. It is compact and lightweight, requires no electric power and is safe and simple to use. Most importantly, it is **always** there in the lab to give you immediate access to Dry-Ice WHEN YOU NEED IT. The economy of having your Dry-Ice 'on tap' can provide considerable financial savings over a relatively short period as the cost of having Dry-Ice delivered to your lab can be prohibitive.

The 'DILVAC' Portable Dry-Ice maker produces a block of approx. 1 Kg in weight in not much over 1 minute, and all you have to do is connect the unit to a cylinder of CO₂, and turn on the tap. Remember, it has to be a LIQUID cylinder with an internal siphon.



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The unit comes with easy to follow operating instructions. Briefly, this is how it works.

1. Connect unit to Liquid CO₂ cylinder and turn on.
2. Monitor flow of liquid by means of pressure gauge provided.
3. When block is made, turn off gas on cylinder; unclip lid and sides of unit.
4. Remove block. GLOVES MUST BE WORN.
5. Replace sides and lid of unit to instantly make another block if required

USE DRY-ICE IN : Hospitals, Research Labs., Tissue Preservation, Food preservation, Specimen transportation, Recreational purposes.

WARNING: Gaseous CO₂ vapours can cause suffocation, so use the unit only in well ventilated areas. Also, use the unit only on a level supporting surface. Never allow the unit to hang from the feed hose. DO NOT HANDLE DRY-ICE WITHOUT GLOVES, REMEMBER, IT IS A VERY COLD -80° C.

SPECIFICATIONS:

Dimensions of block - 80mm x 110mm x 180mm

Dimensions of box - 160mm x 160mm x 225mm

Weight of block - 1Kg ± 10%

Yield from 34Kg Cylinder - 5 - 6 blocks*

* A 34Kg cylinder at room temperature will contain approx. 30Kg's of useable liquid CO₂, the balance is vapour, which does not convert to solid dry-ice. Yield can be appreciably increased at lower ambient temperatures, i.e. @ 5°C approx. 1/3 more blocks may be produced.



The 'DILVAC' Portable Dry-ice maker works on the principle of Adiabatic expansion (the Joule-Thompson effect). The liquid CO₂ in the cylinder is at a pressure greater than 60 Kg/cm², so when it is released into the unit, which is at atmospheric pressure, the liquid CO₂ vaporises and expands. As a result of this expansion, the liquid changes to snow and is compacted into a block within the unit. The block measures 80mm x 110mm x 180mm and weighs approx. 1 Kg.

To view more information about Dry-Ice, visit www.dryiceinfo.com

Details of all laboratory products from Day-Impex Ltd. may be found on www.day-impex.co.uk or e-mail us at info@day-impex.co.uk



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