

DOLE HOLD OVER CARTRIDGES

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DOLE
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FOR
PORTABLE
REFRIGERATION

DOLE HOLD OVER CARTRIDGES

are the practical answer to the refrigerating of:

- Small insulated trucks or containers for home delivery of meats, fruit juices, milk, frozen foods, ice cream or other perishables.
- Hospital carts or cabinets dispensing meals or pharmaceuticals.
- Scooters or tricycles for street vending of ice cream or frozen confections.
- Insulated compartments of industrial catering vehicles.
- Insulated shipping containers.
- Portable sample cases for fresh or frozen food.
- Refrigerated spot merchandisers for supermarkets.

Or any other application where self contained condensing units are impractical from a space or weight limitation standpoint.

HOLD OVER CARTRIDGE SPECIFICATIONS

"Reclaimable Cold" is the basic principle of the DOLE Hold Over Cartridge. Within the cartridge is a solution which freezes and melts at a predetermined temperature. In melting, it absorbs heat from the surrounding air or through adjacent wall surfaces, maintaining a constant temperature in the container close to the melting point of the solution. After the solution is melted, it is refrozen and is ready to go to work once more. There is no loss of efficiency or, as in the case of dry ice, water ice or other expended material, waste and continuing cost of replacement.

Solutions are available in the following temperatures:

+26° or +22° for milk, eggs, fruit juices, etc.

+18° for meats, etc.

-6°, -9° or -12° for +5°, or -5° ice cream, frozen foods, etc

Refreezing of cartridges is accomplished by placing them in a cold room or on a refrigerated shelf stand where the temperature is at least 10° below the solution temperature. The greater this temperature difference, the faster will be the freezing. A DOLE Shelf Plate

Stand is particularly suitable for this purpose since direct contact with the refrigerated plates is thereby available. The time for freezing will depend not only on the temperature difference, but also on the thickness of the cartridge. The use of domestic type freezer cabinets is not generally recommended for this purpose as the condensing unit usually supplied with such an appliance has limited capacity. However, such units may be suitable for small quantities of cartridges if the length of freezing time is not critical.

Cartridges are available in flat rectangular or square, round or triangular shapes to fit best in the container to be refrigerated and to leave the maximum space available for payload. Thickness is determined by the length of time holdover is required.

Standard construction is of heavy gauge cold rolled steel, zinc metalized for maximum corrosion resistance. Cartridges are also available with paint finish, extra heavy zinc metalizing or fabricated of type 304 stainless steel.

Cartridge Thickness	Approximate Hours Holdover	Capacity and Specifications For Each Sq. Ft. of Cartridge Size (Length x Width)						Approximate Weight Lb. Per Sq. Ft.
		B.T.U. Holdover Capacity						
		High Temperature			Low Temperature			
		+26°	+22°	+18°	-6°	-9°	-12°	
¾"	4		350			275	7.00	
1"	6		500			400	8.25	
1¼"	8		660			525	9.75	
1½"	9.5		775			625	11.00	
2"	13		1075			875	13.25	
2½"	16		1325			1050	15.50	
2¾"	18		1500			1200	17.00	
3"	20		1650			1325	18.50	

On all orders please specify shape, size, thickness, finish and solution temperature required. Handles are available either as a pair of the flange, or of the folding wire type as illustrated. If handles are required, indicate type and location.

Specifications subject to change without notice.



DOLE REFRIGERATING COMPANY

Dole Refrigerating Products Limited