

ARCTIC FREEZE

COMMERCIAL & RESIDENTIAL PIPE FREEZING EQUIPMENT - 1/4" to 6"



Cylinder must have dip tube to draw liquid CO₂ to make dry ice.

Don't drain! Stop the flow with an ice plug! Arctic Freeze Jackets act as "Portable Valves" which can wrap around pipes in most locations. Dry ice is formed underneath the jacket, creating an ice plug inside the pipe. This allows new & retrofit pipe work to be completed without draining the system!

actual ice plug, shown in clear pipe

DRY ICE (-109° F) THAT FORMS AROUND PIPE.

NOTE: Jackets #7004 & #7005 require (2) 8' Hoses & (1) Tee Connector. Jacket #7018 requires (4) 8' Hoses & (2) Tee Connectors.

- #7002 - Jacket #1 - 1/4" - 3/4" Pipe
- #7003 - Jacket #2 - 3/4" - 1 1/2" Pipe
- #7004 - Jacket #3 - 1 1/2" - 3" Pipe
- #7005 - Jacket #4 - 3" - 4" Pipe
- #7018 - Jacket #5 - 5" - 6" Pipe
- #7033 - Jacket #6 - 1" - 2" Pipe

- #7006 - 8' Hose w/Fittings
- #7007 - Tee Connector
- #7008 - Carrying Bag
- #7010 - 20 lb. CO₂ Cylinder
- #7012 - Valve & Siphon Tube Kit
- #7013 - Leather Gloves
- #7014 - Instruction Manual
- #9000 - Hot-Dam (protects ice plug from heat)

No CFC's

6 sizes available!



- Integrated, one piece injection nozzle insures uniform distribution of CO₂ around pipe.
- Specially designed jackets form a natural pocket which enables the dry ice to form completely around the pipe.
- Quick release tab - for easy jacket removal.
- High bulk nylon cord tightly secures jacket to pipe.
- Easy to follow instructions for each pipe size.
- CO₂ cylinder sold separately
- See part # 7050 K.I.S.S. Kit 1/4" to 2"

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OPERATING INSTRUCTIONS

1. Water must be stopped. No flow.
2. Clean pipe before attaching jacket.
3. CO₂ cylinder should be upright. Connect hose to jacket and cylinder.
4. Wrap jacket around pipe. Line up velcro strip evenly and press together firmly. Tie nylon cords tightly around pipe.
5. Open valve on cylinder fully. Inject CO₂ – Follow table below carefully. While wearing gloves, grasp each end of jacket and squeeze firmly to limit CO₂ from escaping at ends of jacket. Close valve.
6. Also with gloves on, occasionally press jacket against pipe during freezing period.
7. "White frost rings" will form at both ends of jacket when water in pipe is frozen. At this point you can begin the work. Keep torch flame at least 14" away from jacket. (Use Hot-Dam – #9000 to protect from heat damage)
8. Remove jacket. Let pipe thaw naturally. Do not apply heat.
9. Use Hot-Dam #9000 included in your kit to protect from heat damage.

These figures are based on pipes containing cold water under 70° (F) higher water temperatures require longer injection/waiting times. Refer to manual for details.

FOLLOW THESE INSTRUCTIONS CAREFULLY

JACKET SIZE	PIPE SIZE	INJECTION TIME	WAITING TIME	NUMBER OF INJECTIONS	APPROX. TOTAL TIME REQUIRED
JACKET #1	1/4" – 3/8"	35 sec.	3 min.	2	7 min.
	1/2" – 3/4"	35 sec.	3 min.	3	11 min.
JACKET #2	3/4"	35 sec.	3 min.	3	11 min.
	1"	1 min.	5 min.	3	18 min.
	1 1/2"	1 min.	5 min.	4	24 min.
JACKET #3	1 1/2"	1 min.	5 min.	4	4 min.
	2"	5 min.	5 min.	4	40 min.
	3"	5 – 6 min.	6 min.	6	72 min.
JACKET #4	3"	5 – 6 min.	6 min.	6	72 min.
	4"	8 – 10 min.	5 min.	7 – 8	120 min.
JACKET #5	5"	12 min.	8 min.	9	180 min.
	6"	12 min.	8 min.	11	240 min.
JACKET #6	1"	2 min.	4 min.	4	24 min.
	1 1/2"	2 min.	5 min.	6	42 min.
	2"	2 min.	5 min.	7	49 min.