

SuperFreeze® Pipe Freezing Unit

Model SF-2500

Pipe freezing is taken to a new level by the SF-2500 – up to 2½" for copper tube and 2" for steel pipe. In addition, the SF-2500 is supplied with flexible rubber hoses connecting the freeze heads to the unit. The rubber hoses make the freeze heads easier to handle and allow for quicker coiling and storage.

Avoid the Cost and Inconvenience of a System Shutdown.

The new SuperFreeze® Pipe Freezers are easy-to-use pipe freezing units that allow the contractor to keep water systems operating while making repairs. The RIDGID® SF-2500 is a mini-refrigeration unit that circulates self-contained refrigerant to its aluminum freeze heads. This will form an ice plug in as little as 5 minutes in copper tube up to 2½" and steel pipe up to 2" for the SF-2500. Once the pipe is plugged, repairs can be made with no fear of the ice plug melting because the unit remains on!



The benefits of the SuperFreeze® include:

- **Safe.** Eliminates the use of CO₂, nitrogen, or illegally releasing refrigerants.
- **Fast.** Forms an ice plug in as little as 5 minutes.
- **Easy to Use.** Simply attach freeze heads to the pipe and turn the unit **ON**. Unit can remain operating while making repairs to insure ice plug will not melt.
- **Convenient.** No need to shut off the water supply or drain a system to make repairs.
- **Flexible.** Can form one or two plugs with the same machine, at the same time.
- **Portable.** Lightweight, compact design. No accessories or bottles of CO₂ to carry. Side handles added for easier carrying.
- **Reliable.** Specially designed compressor with quick restart capabilities and overload protection.
- **Durable.** Provided in rugged stainless steel carrying case, the SuperFreeze® is covered by the standard RIDGID lifetime-warranty.



Test Equipment Depot

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SuperFreeze® Pipe Freezing Unit

Freezing Times

Pipe Diameter		Room Temperature		Approx. Freezing Times (Min.) SF-2500R
Inches	mm	°F	°C	
1/2	13	70	21	6
		80	26	8
		90	32	11
3/4	18	70	21	8
		80	26	10
		90	32	13.5
1	25	70	21	10
		80	26	12
		90	32	15
1 1/2	38	70	21	20
		80	26	23
		90	32	29
2	50	70	21	24
		80	26	26
		90	32	29
2 1/2	63	70	21	42
		80	26	49
		90	32	54

NOTE: Times are for Copper Tubing. Steel Pipe will take slightly longer.

NOTE: Water sprayed between freeze heads and the pipe will act as a heat transfer medium to optimize the contact surface. This will provide faster freezing.

SuperFreeze® SF-2500 Specifications		
	115V	230V
Capacity:		
Copper Tube	1/2" - 2 1/2"	10mm - 65mm
Steel Pipe	1/2" - 2"	10mm - 50mm
Power:	115V 1ph, 60Hz 4.5 Amp	230V 1ph, 50Hz 2.5 Amp
Hose Length:	8.5 Feet	3M
Span:	17 Feet	6M
Compressor:	Rotary, Hermetic	
Design Pressure:		
Low Side:	300 psig	21 Bar
High Side:	500 psig	34 Bar
Refrigerant:	R-507 (14.2 oz. charge)	
Dimensions:		
W	11"	28 cm
L	23"	58 cm
H	14 1/2"	37 cm
Weight:	68 lbs.	27 kg.

Ordering Information

Model No.	Cat. No.	Description	Weight	
			lbs.	kg.
SF-2500	68967	SuperFreeze® Pipe Freeze Unit -115V	59	27
SF-2500	68962	SuperFreeze® Pipe Freeze Unit -230V	59	27
Accessories				
	69712	SF-2500R 3/4" CTS Bushings (set of 2)	1.5	0.7
	70652	SF-2500R 1 1/4" CTS Bushings (set of 2)	1.5	0.7
	69717	SF-2500R 2" CTS Bushings (set of 2)	2	0.9
	68857	SF-2500R 1/2" End Adapters (set of 2)	2.5	1.1
	68862	SF-2500R 3/4" End Adapters (set of 2)	3	1.4
	65942	Quick Grip Clamp	1	0.5



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