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**HIGH PERFORMANCE STANDARD
CHAMBER MODELS HPS-8, -16 & -35**

INSTRUCTION MANUAL

Installation / Operation / Preventive Maintenance / Service / Parts List / Drawings

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SPECIFICATIONS MODEL HPS-16

- COMPRESSOR SIZE:** 5-5
- ELECTRICAL POWER:** See the Electrical Schematic(s) in the Parts Lists and Drawings section.
- WATER SUPPLY:** See the Refrigeration Schematic(s) in the Parts Lists and Drawings section.
- TEMPERATURE RANGE:** -100°F to +350°F
-73°C to +177°C
- TEMPERATURE TOLERANCE:** ± 2°F (± 1.1°C) at controller Thermocouple when the chamber is stable.

TEMPERATURE PERFORMANCE:

Cooling:	From:	To	Empty Chamber	50 lbs. Aluminum Billets
	+24°C (+75°F)	-40°C (-40°F) -54°C (-65°F) -73°C (-100°F)	7 min. 10 min. 21 min.	8 min. 11 min. 27 min.
	+71°C (+160°F)	-54°C (-65°F)	16 min.	18 min.
	+177°C (+350°F)	+24°C (+75°F)	13 min.	16 min.
Heating:	+24°C (+75°F)	+116°C (+240°F) +177°C (+350°F)	10 min. 17 min.	11 min. 21 min.
	-54°C (-65°F)	+71°C (+160°F)	13 min.	14 min.
	-73°C (-100°F)	+24°C (+75°F)	11 min.	12 min.

- LIVE LOAD CAPACITY:**
- At -17.8°C (0°F), 1500 watts
 - At -40°C (-40°F), 1500 watts
 - At -54°C (-65°F), 1500 watts

Specifications based on 60 hertz operation and +27°C (+80°F) ambient air. For 50 hertz operation, refrigeration and air flow performance reduced approximately 17%. Accessories can reduce performance.

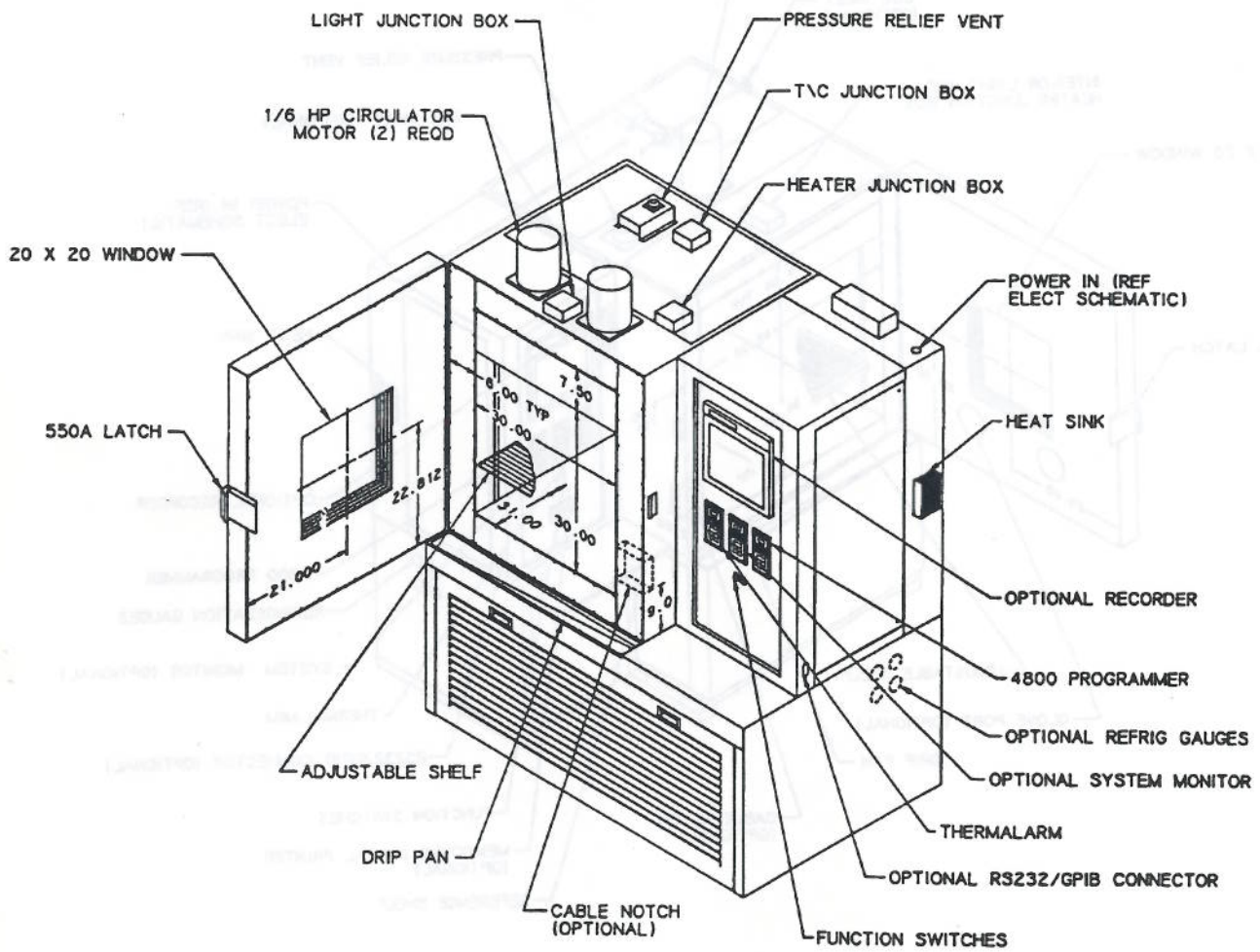


Figure 1-2. HPS-16 Chamber.