



Shini USA, the plastics division of Budzar Industries, Inc., combines 50 years of in the plastics auxiliary machinery market.

As a global leader in the manufacture of Dryers, Hopper Loaders, Temperature Controllers, Hot Oil Units, Portable Air-Cooled Chillers, Portable Water-Cooled Chillers, Central Chillers, Grinders and Conveyers, Shini USA offers the latest technology.

Our goal of combining the best in worldwide engineering, design and support insures plastic processors the best quality at a maximum value when buying our products.

The heavy duty powder coated cabinet and industrial duty components will stand up to even the harshest operating conditions.

Budzar Industries has been engineering and manufacturing temperature control systems for the Plastics, Rubber, Chemical, Pharmaceutical, Automotive, Die Casting, Web, and Paper industries for over 30 years. This engineering and manufacturing expertise has culminated in the Shini USA/Budzar World Alliance line of Portable Chillers, Temperature Control Modules and Portable Hot Oil Units. The listed features are provided as "standard equipment" and exceed all other available standard hot oil units.

Final assembly and thorough testing of each unit is performed at Budzar's facility in Willoughby, Ohio to guarantee each and every unit will start up with ease and perform with the excellence expected of Budzar Industries. We stand behind our products 100%.



## SHINI USA/BUDZAR WORLD ALLIANCE ELECTRICALLY HEATED PORTABLE HOT OIL TEMPERATURE CONTROL UNIT

NO. OF ZONES: ONE (1)

TEMPERATURE RANGE: **550°F MAX.**

Shini USA/Budzar World Alliance Portable Hot Oil Units offer these outstanding “Standard” features:

### FRAME:

- ◆ Heavy duty powder coated sheet metal cabinet with lift off side panels that provides great maintenance access and durability

### EXPANSION TANK:

- ◆ 1 Gallon capacity
- ◆ Fill Vent Cap
- ◆ Sight gauge
- ◆ Low level switch

### PUMP:

- ◆ **Seal-less magnetic drive type, (no pump seals to leak)**
- ◆ Y-strainer on pump suction
- ◆ Internal by-pass valve to keep the unit running if oil circulation is restricted at your process
- ◆ Discharge pressure gauge

### HEATER:

- ◆ Three phase electric immersion type
- ◆ Ultra low watt density design
- ◆ Completely insulated

### PRESSURE CONTROL:

- ◆ Pressure relief valve factory set to optimize protection
- ◆ Low-pressure switch
- ◆ Automatic air vent

### CONTROLLER:

- ◆ Omron modular electronic solid state
- ◆ Full featured PID controller
- ◆ Dual digital readout for set point **and** process temperature
- ◆ Compact 1/8 DIN size

### COOLING:

- ◆ Closed Loop cooling
- ◆ Copper "U" tube, mounted bundle to steel shell for easy service
- ◆ Automatic solenoid cooling control valve

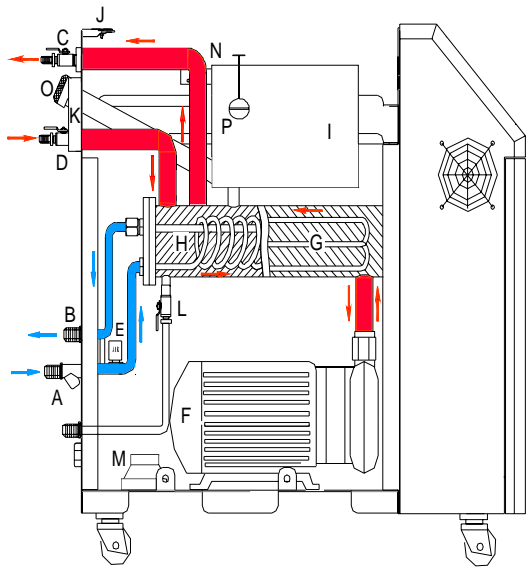
### ELECTRICAL:

- ◆ 460 volt, 3 phase, 60 Hz. standard primary voltage, 115 volt control voltage
- ◆ Siemens electrical components
- ◆ Three phase motor overload protection
- ◆ Start/Stop push buttons
- ◆ Phase reverse protection
- ◆ 10' power cord
- ◆ Fan cooling for electrical panel and cabinet

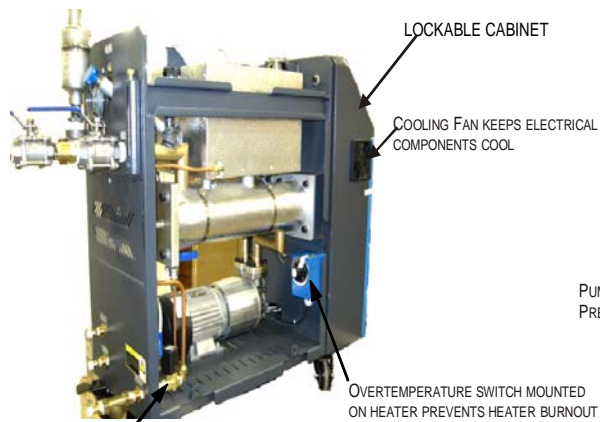
### INCLUDED FEATURES:

- ◆ Low level alarm
- ◆ Pump overload alarm
- ◆ Over temperature alarm
- ◆ One (1) operational manual per unit included.
- ◆ Additional manuals are \$50.00 each
- ◆ All units are run tested prior to shipment

Model	Heater Capacity BTUH	Heater Capacity kW	Flow	HP	Cooling Heat exchanger Control Valve Size	
					Valve Size	Volts
STM-1215-HT-460	40,944	12	15 GPM @ 30 PSI	1	½"	460
STM-1215-HT- <b>230</b>	40,944	12	15 GPM @ 30 PSI	1	½"	<b>230</b>
STM-2440-HT-460	81,888	24	20 GPM @ 30 PSI	2	½"	460
STM-2440-HT- <b>230</b>	81,888	24	20 GPM @ 30 PSI	2	½"	<b>230</b>

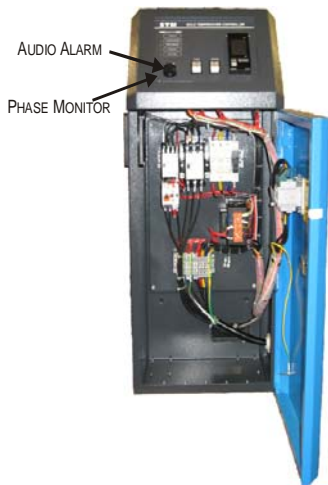


- A. Cooling Water Inlet
- B. Cooling Water Outlet
- C. From Process
- D. To Process
- E. Cooling Solenoid Valve
- F. Magnetic-Drive Pump
- G. Heater
- H. Heat Exchanger
- I. Reservoir
- J. Pressure Gauge
- K. Sight Glass
- L. Oil Drain
- M. Temp. sensor
- N. Level Switch
- O. Oil inlet
- P. Level Indicator



HEAT EXCHANGER WITH 1/2" SOLENOID VALVE FOR HIGH CAPACITY COOLING

OVERTEMPERATURE SWITCH MOUNTED ON HEATER PREVENTS HEATER BURNOUT



RUGGED POWDER COATED CABINET

INDUSTRIAL DUTY MAGNETIC DRIVE FLANGED PUMP PREVENTS LEAKS AND STANDS-UP TO ANY ENVIRONMENT

