

**Ports:**

- (1) 3" inlet
- (1) 3" Outlet
- (1) 1-1/2" for Pressure Safety Valve
- (1) 45 cm for cleaning
- (1) 1" for pressure gauge
- (1) 1-1/2" drain
- (1) 1-1/2" for level control
- (1) 1" for thermocouple
- (1) 8" 150 lbs flange for heater

Level Control  
1-1/2" NPT

Type J thermocouple 1/2" NPT  
6" insertion length

Pipe Flange Heater  
43" long  
8" 150# Flange

Heater Power Wire  
(7) 32 Amps Circuits  
380 Volt 3 phase each

Type J Thermocouple Wire  
PVC over PVC 20 Gauge

Control wire (less than 1/2 amp)

Shap Industrial
120 KW Control System
Thermal Equipment Sales Co Inc.
166 Neil St Memphis Tn 38112
WWW.Thermalinc.com