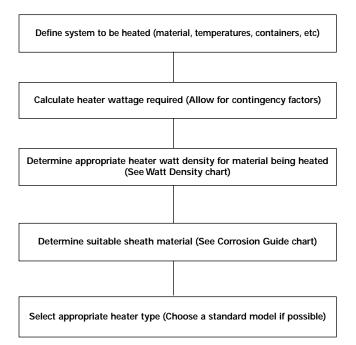
HEATER DETERMINATION GUIDE



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 Provide enough wattage with some contingency to allow for line voltage fluctuations and other variables – Add a factor of 20%
 Make sure heater sheath watt densities do not exceed maximums recommended for material heated (See Watt Density guide chart)
 Make sure heater sheath temperatures are well under maximums allowed (See Heater Sheath Material Temperature guide chart)
Use lower operating voltages where choices are available (Regulate voltage as close as possible to rated voltage. Do not exceed 110% of rated voltage.)
 Protect against: Physical damage, termination contamination (including mois- ture), corrosion, and other conditions that could damage heater or other system components. Include an appropriate terminal housing
 Make sure suitable operating temperature control is included in the final system
 Make sure overheat safety device is included in the final system
 Install electrical wiring to all electrical standards and codes
Make sure design construction and manufacture comply with under- writers labs or other regulations as required by specific application