

Questions for Special Applications

1. Which of these best describes the system requiring heat: drum/bucket, tote, tank, gas cylinder, pipe, flat surface (vertical or horizontal?), other?
2. Can you provide mechanical drawings, photos, and/or digital 3D models?
3. What are the critical dimensions of the system?
4. Are there specific areas that you would require the heat to be applied or specific areas that you would not want heat to be applied?
5. What material is the container or surface made of (i.e. tank wall, drum wall, valve, pipe)?
6. How thick are the walls of the container? Does the wall thickness vary?
7. What is the substance being heated (i.e. water, oil, flammable, pipe contents, chemical, melting solid, concrete, frozen ground)? Please describe the material's chemical properties i.e. specific gravity, thermal conductivity, heat capacitance, etc...

INTELIHEAT

Industrial Heating Technology
for drums IBCs totes & containers



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Lewisville, TX 75067

8. Does there need to be any access flaps or cut-outs for any hoses, tubes, pipes, caps/lids, NPT connections, or other equipment, etc? If yes, please describe where.
9. Is this a flowing system? If so, what is the flow rate (include units, gpm, cfm, etc.)?
10. What is the coldest expected ambient temperature (include units, °F, °C)?
11. Is this application indoors, outdoor, or outdoor under a shelter?
12. What is the maximum expected wind velocity (include units: mph, km/h, etc.)?
13. Are there other environmental conditions that may be relevant?
14. What is the beginning temperature of the substance or contents (include units: °F, °C)? Is it a solid or a liquid at ambient temperature? If it is a solid, what is its' melting temperature?
15. What is the desired final temperature of the substance or contents (include units, °F, °C)?
16. What temperature range is acceptable (include units: +/- °F, °C)?



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17. Are there upper or lower temperatures where the substance, contents, or any part of the system will be damaged (include units: °F, °C)? What is the safe maximum temperature?

18. Is there a time frame requirement for the initial heating?

19. What power source is preferred (i.e.: 120, 208, 240, DC)? Are other options available?

20. How far away is the power source? What is the desired cord length?

21. Do you require UL/CSA, CID2, CIZ1, ATEX, or IECEx certified product? Is the application in a potentially explosive atmosphere (Hazardous Area)?

22. How many units do you need now? In the future?

23. What is the desired delivery date?

24. Please provide contact information for someone who can answer technical questions about the application if necessary.

25. Are there any other requirements that need to be met?



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