

Questionnaire for the selection of a pump circulating stations

Name: _____
Position: _____
Company: _____
Address: _____
E-mail: _____
Phone number: _____

1. Refrigerant
 - R717 (ammonia)
 - R22
 - R507a
 - R404a
 - R134a
 - another _____
2. System cooling capacity _____ kW
3. Boiling temperature _____ °C
4. Condensing temperature _____ °C
5. Subcooling after the condenser _____ °C
6. The required refrigerant flow through the evaporator(s) _____ m³/hour
or the circulation rate _____
7. Required pressure in the pump discharge line _____ bar (g)
or required liquid column pump pressure _____ m
or height difference between the pump and the evaporators _____ m
resistance of evaporators _____ bar
8. The length of the pump discharge pipeline _____ m
9. Amount of evaporators _____ pcs
10. Internal volume of one of the evaporators on the refrigerant side _____ m³
11. Defrosting of method of the evaporators:
 - hot gas
 - other
12. Number of simultaneously defrosted evaporators _____ pcs
13. Control of system of the liquid level in the receiver:
 - a sensor of continuous level control
 - point level sensors

- floating level sensors
- without system of level control

14. Receiver feeding system:

- a motor expansion valve
- manual control valve
- pilot float and mechanical expansion valve
- without feeding system

15. Amount of refrigeration pumps

- one (working)
- two (1 working + 1 stand by)

16. Control board required

- yes
- no

17. Oil return system required

- yes
- no

18. Insulation required

- yes
- no

19. Other requirements _____