

**Customer wants a COMPLETE CONDENSATE UNIT:**

1. Required pump flow rate (GPM) \_\_\_\_\_
  - a. If customer can not supply GPM, then measure tank (**in inches**) to calculate tank volume:
    - For rectangular tanks, measure length x width x height
    - For cylindrical tanks, measure diameter x length
  - b. To calculate volume:
    - For rectangular tanks: (length x width x height)/231
    - For cylindrical tanks: (radius squared x 3.14 x length)/231
  - c. The value obtained in above calculation indicates the tanks size (in gallons) and the pump flow rate (GPM).
  
2. Required pump discharge pressure \_\_\_\_\_
  - a. If customer cannot provide discharge pressure, measure the vertical lift in feet \_\_\_\_\_.
  - b. Also ask if condensate unit is pumping into a gravity return line or a pressurized line \_\_\_\_\_.
  - c. If pumping into a gravity line, take the vertical lift (in feet) and divide by 2.31 to determine discharge pressure (PSIG). Note: **Add an additional 5 PSIG as safety margin to answer.**
  - d. If pumping into a pressurized line, take the vertical lift (in feet) and divide by 2.31 to determine discharge pressure (PSIG) AND add the pressure in that line. Note: **Add an additional 5 PSIG as safety margin to answer.**
  
3. Required pump voltage/motor phase \_\_\_\_\_ (**MUST be EXACT!**)  
Single Phase: 115/1/60 or 208/1/60 or 230/1/60  
Three Phase: 208/3/60 or 230/3/60 or 460/3/60 or 575/3/60 or Other  
\_\_\_\_\_
  
4. Required pump speed: 1750 RPM or 3500 RPM \_\_\_\_\_ (can leave blank)
5. Required motor enclosure: ODP or TEFC or Explosion Proof or Other \_\_\_\_\_
6. Temperature of returning condensate \_\_\_\_\_
7. Inlet height on unit being replaced \_\_\_\_\_
8. Number of pumps desired: Simplex or Duplex \_\_\_\_\_
9. Does customer need a control panel? Yes or No \_\_\_\_\_  
If yes, does customer want disconnects in control panel Yes or No? \_\_\_\_\_
10. Required panel enclosure: NEMA 1, NEMA 2, NEMA 4, NEMA 7, or NEMA 12 \_\_\_\_\_
11. Required type of receiver material: Cast Iron, Black Steel, Lined Steel, Galvanized steel, Plaste Lined, Stainless Steel \_\_\_\_\_
12. Does customer want premium efficient motors? Yes or No \_\_\_\_\_  
If yes, provide efficiency rating \_\_\_\_\_