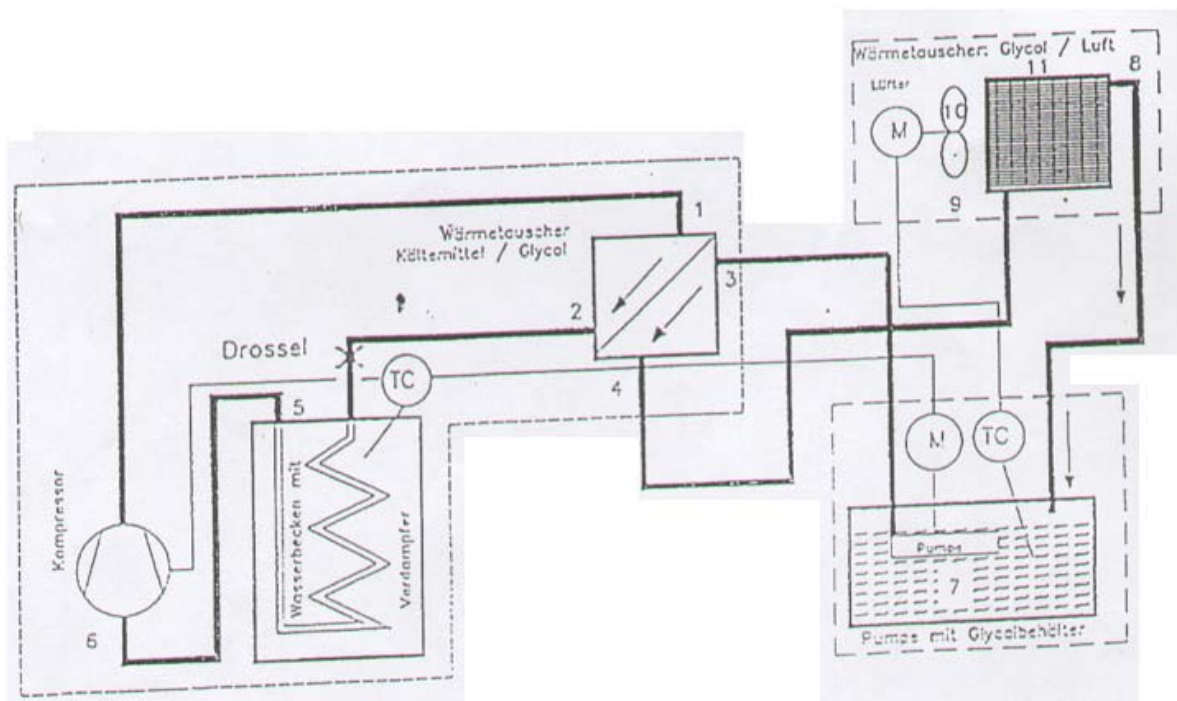


## Installation instruction glycol-machinery

1. Install the glycol pump near by the SC-unit. The glycol pump gets the power from the SC-unit. Please notice the max. lift height of 15 metres and the max. tube length of 80 meter. This means distance form SC-unit to heat exchanger is max. 40 meter. To connect the unit with other parts use nylon tubing OD 15mm / ID 12 mm, P/N 22-0092-035. This tubing ca be use for glycol and also to fit the quick connectors Ø 15mm. You need 6 quick connectors, 2 pieces 15 x 15 mm, P/N 14-9816-014 and 4 pieces 15 x 12 mm, P/N 14-9816-015.
2. Install the tubing between pump outlet and pump inlet of the heat exchanger on the SC-unit ( below connections use for internal heat exchanger ).
3. Install the tubing from the outlet of the heat exchanger ( SC-system ) to the external heat exchanger. In addition to that you need a cable 3 wire 3 x 0,75 mm to connect to supply to steer the fan motor.
4. Connect the tubing from the external heat exchanger back to the pumping unit. All tubing connections must be free of kicks.
5. Connect the cable to the external heat exchanger inside socket in the external heat exchanger and connect the second cable with the pumping unit. The power cord of the pumping unit must be plug in to the socket of the SC-unit.
6. Mix 30 % glycol and 70 % water ( approx. 5 litre ). Fill 2 litre into the reservoir of the pumping units.
7. Fill the water bath of the cooling unit and start the unit. Carbonator-pump and reservoir-pump must be switch off. The glycol-pump must start now.
8. Fill the mix of glycol and water into the reservoir or the pumping unit until there are no bubbles in the backflow tube of the pump.
9. Check if parallel to the pump the fan of the external heat exchanger works.



Explanation:

- |   |                                  |    |                             |
|---|----------------------------------|----|-----------------------------|
| 1 | Condenser inlet ( refrigerant )  | 7  | Glycolbath with pump        |
| 2 | Condenser outlet ( refrigerant ) | 8  | remote heat exchange outlet |
| 3 | Condenser inlet ( glycol )       | 9  | remote heat exchange inlet  |
| 4 | Condenser outlet ( glycol )      | 10 | fan                         |
| 5 | Evaporator outlet                | 11 | remote heat exchanger       |
| 6 | Compressor                       |    |                             |