

# Assembly instructions

Retrofitting or replacement  
of double-walled safety heat exchangers

Issue: 10-11



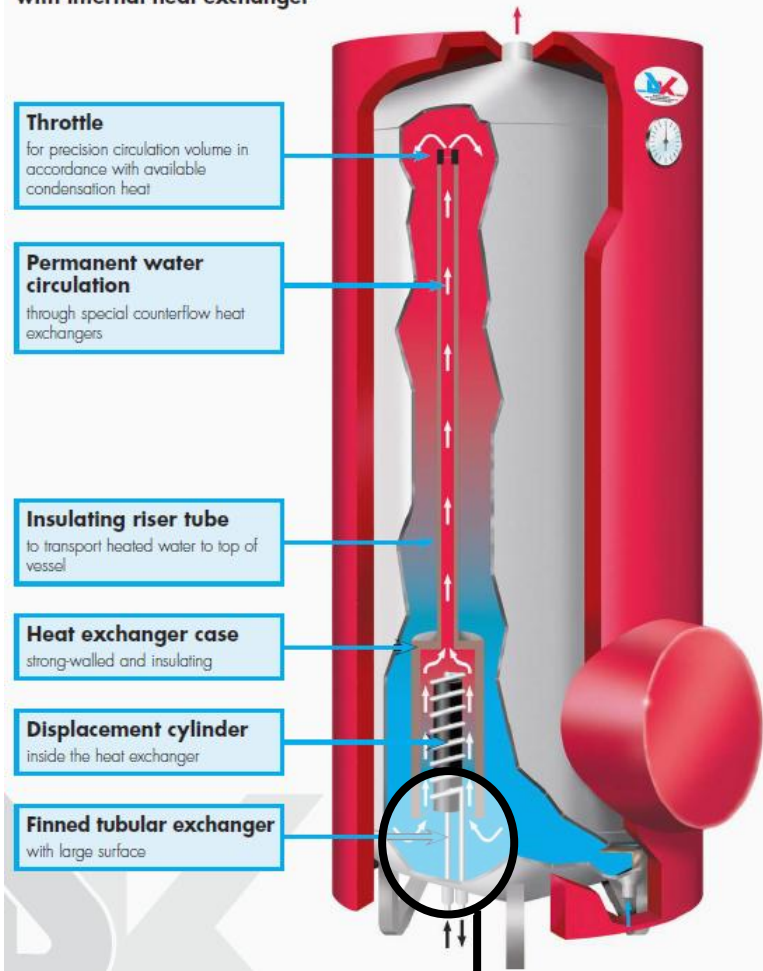
## Assembly instructions

- 1.) Interrupt the water supply
- 2.) Dismantle the insulation
  - PU half shells: remove rubber profile, dismantling fastener with an 8 mm with an allen key, remove thermometer and release forward the half shell
  - DK flexible foam with PVC tissue case: dismantling tie on the backside of the tank, remove thermometer, remove covering hoods and release forward the flexible foam
- 3.) Emptying the tank
- 4.) Open the corresponding service hatch DN 200, cleaning the heat recovery tank if necessary
- 5.) A.) **Retrofitting:**
  - Dismantle brassy dummy caps at the free nipple pair. The caps have to be heated up to approx 90°C by sealing with liquid sealant. Sealing out of hemp can be removed without problems.
  - Seal the supplied brassy compression fittings on the nipple pair with sealant or with a bit of hemp and sanitary seals paste
- B.) **Replacement of heat exchanger**
  - Remove synthetic riser tube
  - Remove existing compression ring PE 1" fittings and pull out the exchanger through the flange DN 200.  
If necessary replace compression ring fittings (see No 5 A)  
The cutting ring has to be replaced.
- 6.) Fit heat exchanger into the tank through the service flange and lead out the connection ends through the nipple pair.  
The connection ends of the heat exchangers are covered with a silicon hose which protects additionally the tank against galvanic voltage.  
Care shall be taken to ensure that the connection ends, which are lying inside the tank, has to be protected by the silicon hose up to the heat exchanger case after installation of the heat exchanger.
- 7.) Strip from outside the cutting ring over the connection pipe and tie up union nut.
- 8.) Unscrew the supplied riser tube on the synthetic heat exchanger case
- 9.) Shut again the service flange (if necessary change the gasket) and fill in the water

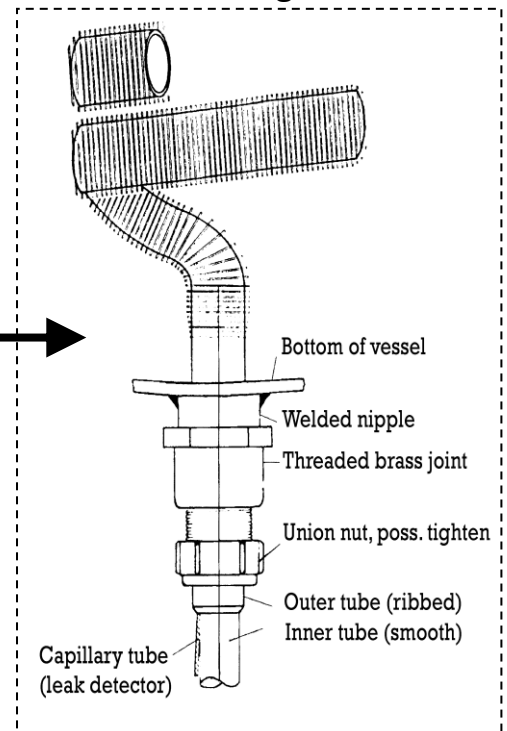


- 10.) Check if there are no leakage in the tank
- 11.) When soldering the refrigeration lead to the heat exchanger inlet or outlet, it must be observed that the brass clamp-ring-screwing connecting the heat exchanger to the vessel is not overheated. This may lead to a damage of the sealing. Please see Assembly instructions Heat Recovery Point 3.4

**DK-Heat Recovery  
with internal heat exchanger**



**enlarged detail**





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