

DCH^{plus} Direct contact heaters

DCH^{plus} Direct contact heaters offered by **I PRO INDIA**, are equipped with optimum internal design for better mixture of liquids and vapors. External entrainment separators are provided for additional safety to avoid entrainment improving the suitability to implement them in the system without the fear of sugar losses.

Heaters are designed to handle higher load variations with minimal performance change. Compared to conventional heaters very little space, piping and structure is required. The heaters are designed as per ASME standards with SS 304 material.

Application:

DCH^{plus} are used for the heating of raw/ Sulphited /clear juice, filtrate, syrup, melt, liquor as well as for molasses conditioning.



Entrainment separator

Performance:

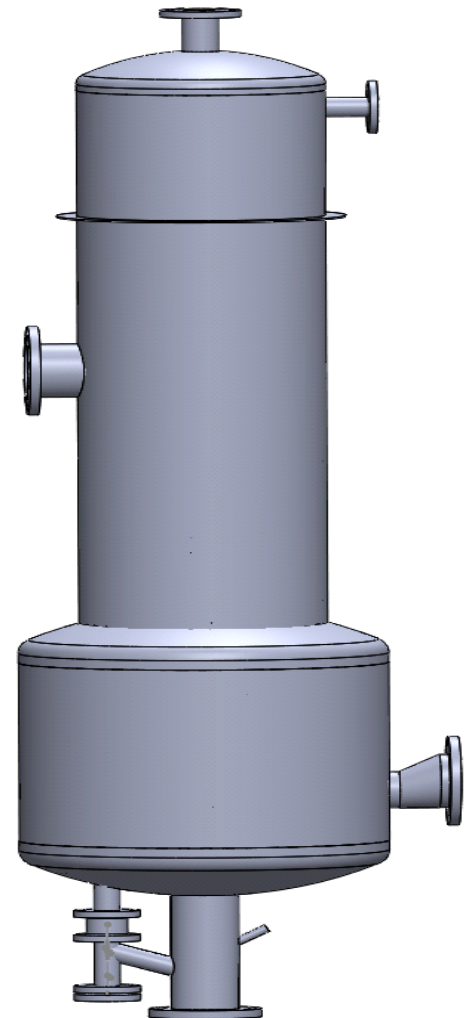
The efficient mixture of vapours and liquids enables the heaters achieving approach temperatures of 0.5 – 2 K. The vapours bleeding can be shifted backwards to make the process more steam efficient. Less pumping head is required due to a low pressure loss.

Handling:

Easy to integrate and handle. No cleaning is required, which eliminates the requirement of standby heaters. The absence of moving parts and stainless steel material allows maintenance free operation.

Automation:

To optimize the performance and for easy handling, automation is provided on DCH^{plus}. The automation ensures achieving the desired performance.



Direct contact heater

consultation • project work • engineering design • supervision

