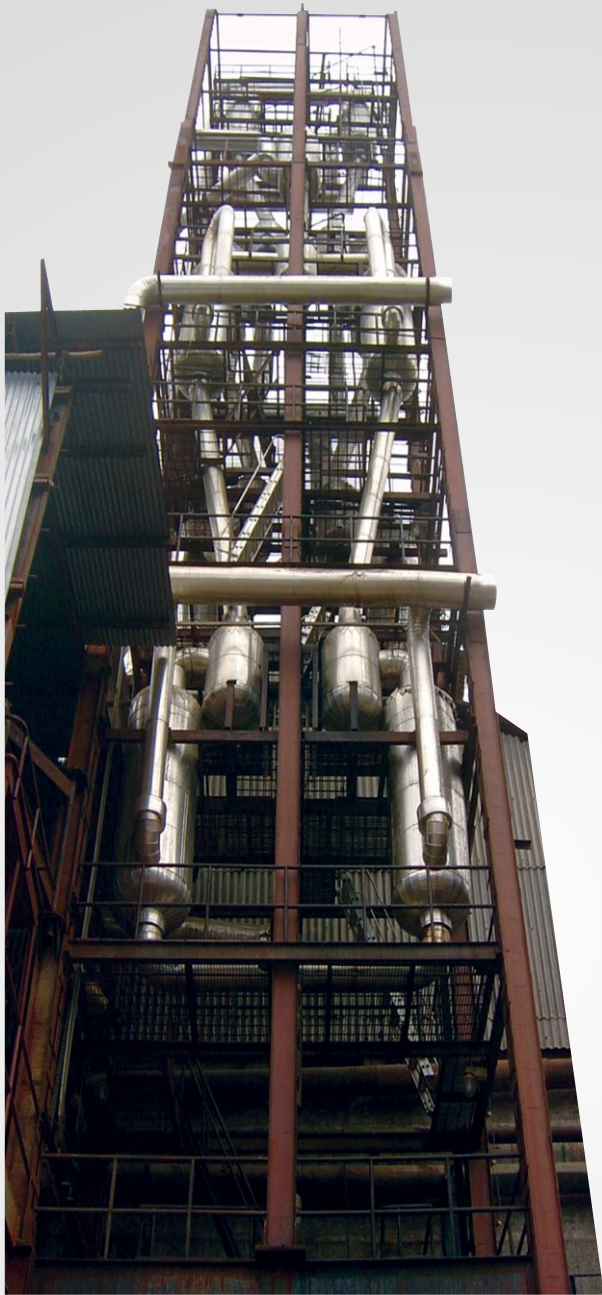


DIRECT CONTACT JUICE HEATERS



- ▶ VRL DIRECT CONTACT HEATERS REPLACE TUBULAR HEATERS/PLATE TYPE HEAT EXCHANGERS FOR JUICE HEATING.
- ▶ AS DIRECT CONTACT JUICE HEATERS ARE TUBELESS, THERE IS NO CLEANING INVOLVED & NO MAINTENANCE.
- ▶ NO LOSS OF EXHAUST CONDENSATE AS EXHAUST USE FOR JUICE HEATING IS COMPLETELY ELIMINATED.
- ▶ DIRECT CONTACT HEATER WORKS WITH LOW TEMPERATURE AND LOW PRESURE VAPORS ENABLING USE OF 4TH, 3RD AND 2ND EFFECT VAPOR FROM EVAPORATOR FOR JUICE HEATING.
- ▶ TEMPERATURE OF THE CLEAR JUICE ENTERS THE 1ST BODY OF THE EVAPORATOR IS VERY CLOSE TO THE BOILING POINT RESULTING IN JUICE FLASHING AS SOON AS IT ENTERS EVAPORATOR.
- ▶ DIRECT CONTACT HEATERS BY VRL UTILIZES THE TOTAL HEAT IN THE STEAM. BOTH SENSIBLE AND LATENT HEAT ARE USED FOR HEATING THE JUICE AS AGAINST USE OF ONLY LATENT HEAT BY TUBULAR OR PLATE HEATER. HENCE STEAM REQUIREMENT WILL BE REDUCED.

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