

Juice Heater

We offer a wide range of Juice Heater to Clients that are designed as per the capacity of sugar plant and specific requirement. The Sugar Cane Juice Heaters offered by us are used for heating Raw Juice, Sulphured and Clear Juice during Processing. Normally, in a sugar plant application, the screened juice obtained is heated to 65-70-degree C in a tubular juice heater. Through an air floatation process, the juice is clarified and clear juice is obtained which is then sent to multi set evaporators.

Further, Juice Heater is equipped with covers and passes partitions to give trouble free operations. Juice heaters are steel fabricated tubular shell structures. Consisting of an assembly of tubes, Juice circulates through the tubes and the vapor outside them. Suitable headers force the juice to pass a certain number of times from bottom to top and from top to bottom of the heater by restricting the juice each time to a few of the tubes.



Input Parameter

PARAMETER	VALUE	UNIT
Inlet Temperature		Deg. Celsius
Outlet Temperature		Deg. Celsius
Brix		
Purity		
Flow		Tons / Hr.
Vapor pressure		Kpa.a
Overall heat transfer coefficient		KW/M2/K
Number of passes		
Velocity in tubes		m/sec
Tube OD		mm
Tube wall thickness		mm
Maximum tube length		m
Altitude		m

Features

- ✓ All type of juice heaters, Vertical, Vapor line, Direct, Pre and Condensate Juice heaters are offered ranging from 350M2 – 600 M2.
- ✓ Vertical tubular, high velocity and multi-circulation.
- ✓ Efficient steam, Vapor distribution.
- ✓ Quick cover opening with balance device.
- ✓ Leak proof passes for higher efficiency.
- ✓ Interchangeability of operations.
- ✓ Positive removal of condensate.
- ✓ Removal of high and light NOX gases.
- ✓ Adequate venting
- ✓ Juice distribution from Top and Bottom, Rubber Cord /Rubber sheet 4 Ply.