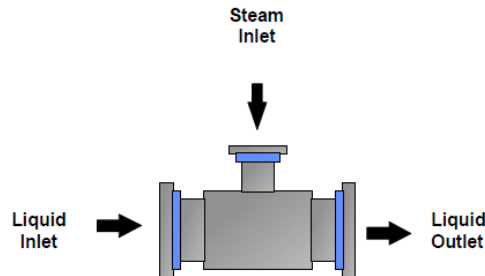


Steam Jet Heaters

Steam jet heater is designed to heat cold liquid when steam comes into direct contact with it. As the steam comes into contact with the liquid, it immediately condenses, thus giving up its latent heat and, in turn, heating the liquid. The heating steam condensate mixes with the liquid being heated. The heater ensures that the steam and liquid are uniformly mixed, thereby eliminating both the noise and vibration usually associated with this type of process. Steam jet heaters are used in all processes, where liquids have to be heated and where the direct contact between steam and liquid has no problem.



General Usage

Steam jet heaters are used for noiseless heating of all kinds of liquids, particularly for the preparation of hot water for every purpose.

Typical Applications in Industries

- ❖ Preparation of hot water for barrel rinse
- ❖ Warm water for pickling
- ❖ Preparation of hot water for dyeing and greasing in tanneries
- ❖ Warm water for wash and bathrooms
- ❖ Circulating cleaning solutions
- ❖ Applicable in Pasteurization and sterilization industries
- ❖ Producing scalding sprays
- ❖ Blanching at food industry
- ❖ Heating slurries
- ❖ Quenching and tempering
- ❖ Maintenance of tempering vessels
- ❖ Applicable in pulp and paper, chemical, petroleum, agriculture, dairy and breweries industries

Advantages

- ❖ No moving parts
- ❖ Low maintenance cost
- ❖ Simple and compact
- ❖ Working with all types of fluids
- ❖ Long lifetime
- ❖ Safe and reliable operation
- ❖ Manufactured from various materials
- ❖ Low-noise operation
- ❖ High operational safety
- ❖ Easily installation
- ❖ Economical

Applicable Materials

- ❖ Stainless Steel
- ❖ Carbon Steel
- ❖ PTFE

❖ Hastelloy

Design Codes/ Standards

Quality Assurance

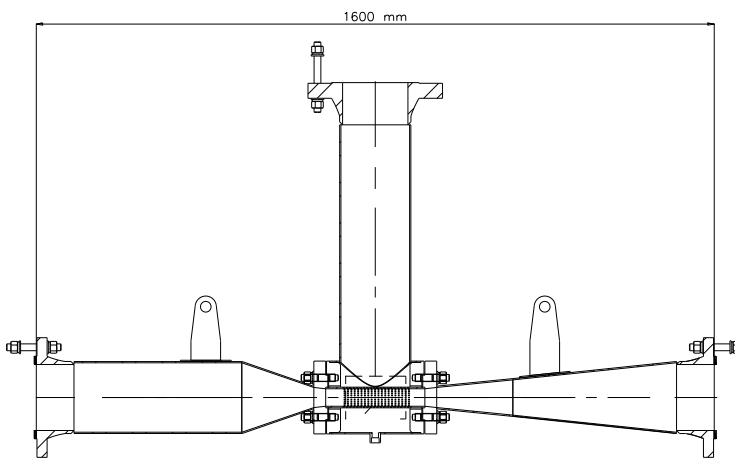
- ❖ HEI Standard for Steam Jet Vacuum Systems
- ❖ ASME Sec. VIII
- ❖ ASME B.31.1
- ❖ ASME B.31.3

Kara Steam Jet Heaters Advantages:

- ❖ Custom design
- ❖ Performance Test at shop
- ❖ Ability to produce the heater with different types of materials proportional to corrosive/erosive medium or environment
- ❖ Precise temperature control

Specifications of one Type

Item	Steam Jet Heater	
Project	10 th Olefino Complex Butene-1 Plant Bandar Asaluye	
Purchaser	NARGAN Co.	
Max Inlet Water Flow Rate	kg/hr	95760
Max Inlet Steam Flow Rate	kg/hr	6685
Water Temperature Rise	°C	40



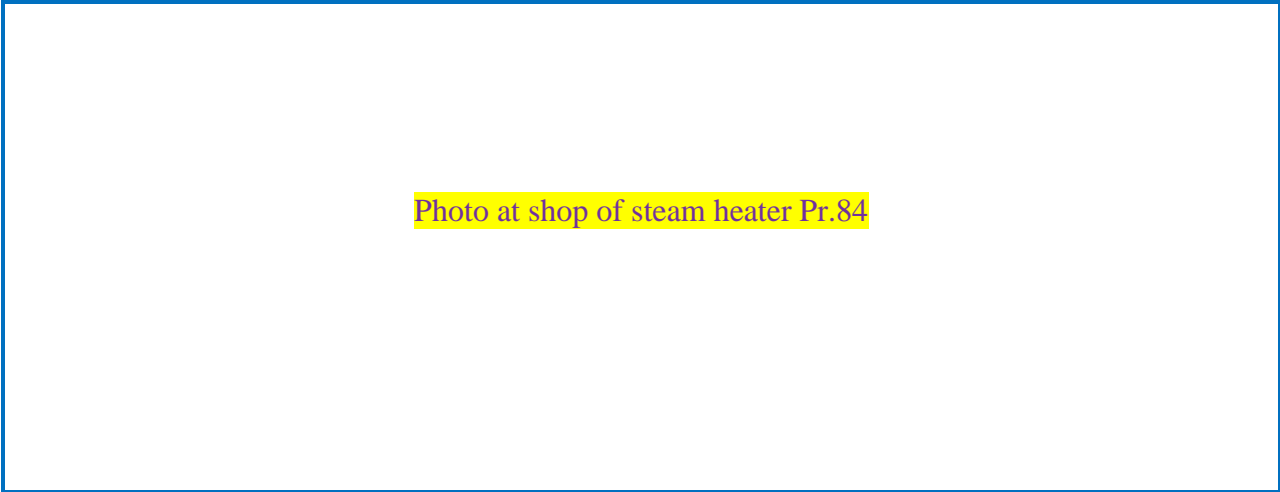


Photo at shop of steam heater Pr.84

Previous Projects

Equipment photos / Operation photos / Applications photos