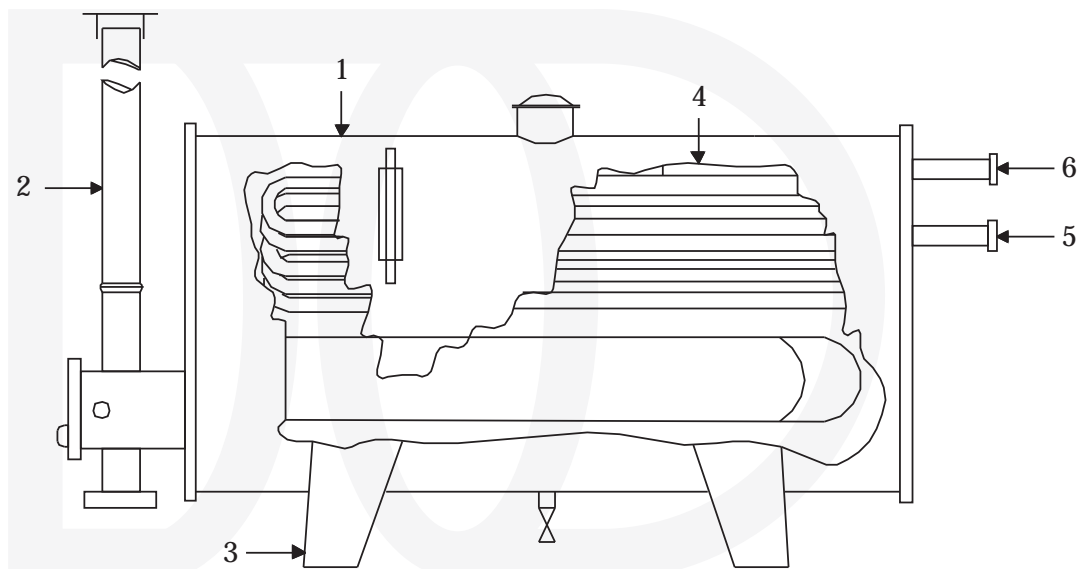


Indirect Gas Heaters

In some applications, gas temperature is needed to be elevated. An example for such applications is the gas heating which is required before reducing gas pressure at gas pressure reducing stations. Based on thermodynamics principals, a fluid flow depressurized without heating leads to fluid temperature reduction.

Hence, the gas stream shall be heated in such equipment called Indirect Gas Heater. Different intermediate mediums may be used for heat transfer from heat generation unit to gas stream, some of which can be called as water, melted salt, and hot oil.

1. Shell
2. Stack
3. Support
4. Coil Bundle
5. Gas Inlet
6. Gas Outlet



For better media circulation and subsequent higher convection heat transfer efficiency, the heat generation unit and its combustion chamber shall be located at the bottom of the equipment.

The equipment shall be covered with suitable insulations resistant to thermal shock and mechanical damages (e.g. light weight ceramic fiber, fiberglass etc.)

Range of capacity: from 1000 to 250,000 SCMH

ANSI rating class: 150, 300, 600Ib

