TROYA
Energy Services

HEATER TREATER

SYSTEM DESCRIPTION

The well stream enters near the top of the vessel (inlet) and strikes the inlet deflector. Centrifugal action and retention time combine to allow natural gas to separate from the liquid. The gas exits the top of the vessel while the oil and water emulsion descend to collect beneath the firebox. Free water is separated from the oil and drained to the storage tank. The spreader breaks up the remaining emulsion in order to remove any residual water. Then treated oil flows through the heat retaining baffle and exits near the top of the vessel.

ASME VIII Div. 1 (ASME Code Version 2013).
Mechanical calculations by using PV Elite.

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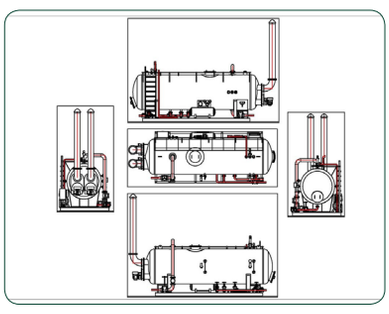
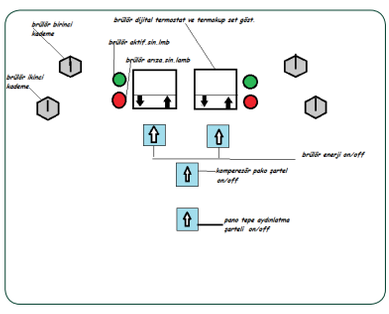
Service	Standard and H_2S
Diameter (mm)	1,900-3,200
Length (mm)	6,000-13,000
Max Working Pressure (bara-psia)	4-60
Fluid Capacity (BPD)	1,000 -10,000
Heating capacity (kcal/hr)	2 x 400,000 to 2 x 1,350,000
Fire Box	2
Burner Type	Crude Oil, Diesel or Gas

Note: Various sizes and configurations available.



Typical HT Drawing



Burner Control Panel