

Steam Heat Exchanger

Steam heat exchangers are used to raise the temperature of well effluents to prevent hydrate formation, reduce viscosity and break down emulsions for efficient separation of oil and water. It consists of high-pressure and low pressure split-flow coils located upstream and downstream of an adjustable choke, contained within a steam filled vessel.

APPLICATIONS

- ▶ Offshore and land operations
- ▶ Drill stem testing
- ▶ Well cleanups
- ▶ Production/well testing



FEATURES

- ▶ Insulation aluminum/stainless steel jacket for heat preservation
- ▶ Check Valve on Steam Inlet to avoid steam returning
- ▶ Steam Trap on Condensate Return c/w water exhaust port to prevent freezing
- ▶ Safety shutdown for high temperature
- ▶ Safety shutdown for high vessel pressure

TYPICAL SPECIFICATIONS

Service	Sour, Crude Oil, Mud, Gas Service
Design code	ASME VIII div.1
	NACE MR 0175
	ASME B31.3
	API 6A
	DNV 2.7-3
Capacity	4 MMBTU/hr
Pressure Rating (upstream chock coil)	5,000 psig
Pressure Rating (downstream choke coil)	2,500 psig
Pressure Rating (vessel)	350 psig
Working Temperature up to	320 F
Maximum Temperature rating (vessel)	356 F
Valve Type	Gate Valve, Adjustable Choke
Valve Configuration	Front 3 1/8" 5,000 Psi Manual Gate Valve
	Back 3 1/8" 5,000 Psi Manual Gate Valve
	Bypass 3 1/8" 5,000 Psi Manual Gate Valve
	3 1/8" 5,000psi Adjustable Choke
Inlet Connection	3" Fig.602 Hammer union thread
Outlet Connection	3" Fig.602 Hammer union wing
Relief Line	4" Fig.206 Hammer union wing
Steam Supply Connection	2" Fig.206 Hammer union thread
Condensate Resume Connection	2" Fig.206 Hammer union wing

For further information and service support, please contact:

E: contact@sunrypetro.com T: +86 21 51963156

www.sunrypetro.com