INDIRECT HEATER

Indirect Heater

The indirect gas-fired heater is used in the event that excessive hydrates form during a testing operation. Hydrates will sometimes form when a reduction in pressure causes a temperature reduction.

The heater consists of a fire tube, a water bath at atmospheric pressure, a 5- or 8-centimeter (2- or 3-inch) split coil with intermediate choke, an adjustable choke with a 2.5-centimeter (1-inch) seat, and a solid stem.

The heater manifold has a three gate valve configuration that is suitable for 34.47, 68.95, or 103.42 MPa (5,000, 10,000, or 15,000 psi) working pressure.

TECHNICAL SPECIFICATION

Working Pressures:	34.47, 68.95, 103.42 MPa (5,000, 10,000, 15,000 psi)
Working Temperature Range:	0°C to 93°C (32°F to 200°F)
Service:	H_2S
Standard:	NACE MR0175
Code:	ASME
Tubing Coils:	5- or 8-centimeter (2- or 3-inch)
Connections:	
Inlet Union (Female):	8-centimeter (3-inch)—1502
Outlet Union (Male):	8-centimeter (3-inch)—1502
Heating Capacities:	1, 2, or 4 MMBtu per Hour
Gas Inlet to Fire Tube:	1.3-centimeter (1/2-inch)—NPT
Dimensions (L x W x H):	6.1 x 2.4 x 4 meters (20 x 8 x 13 feet)
Weight:	5,897 kilograms (13,000 pounds)

TETRA PRODUCTION TESTING SERVICES

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