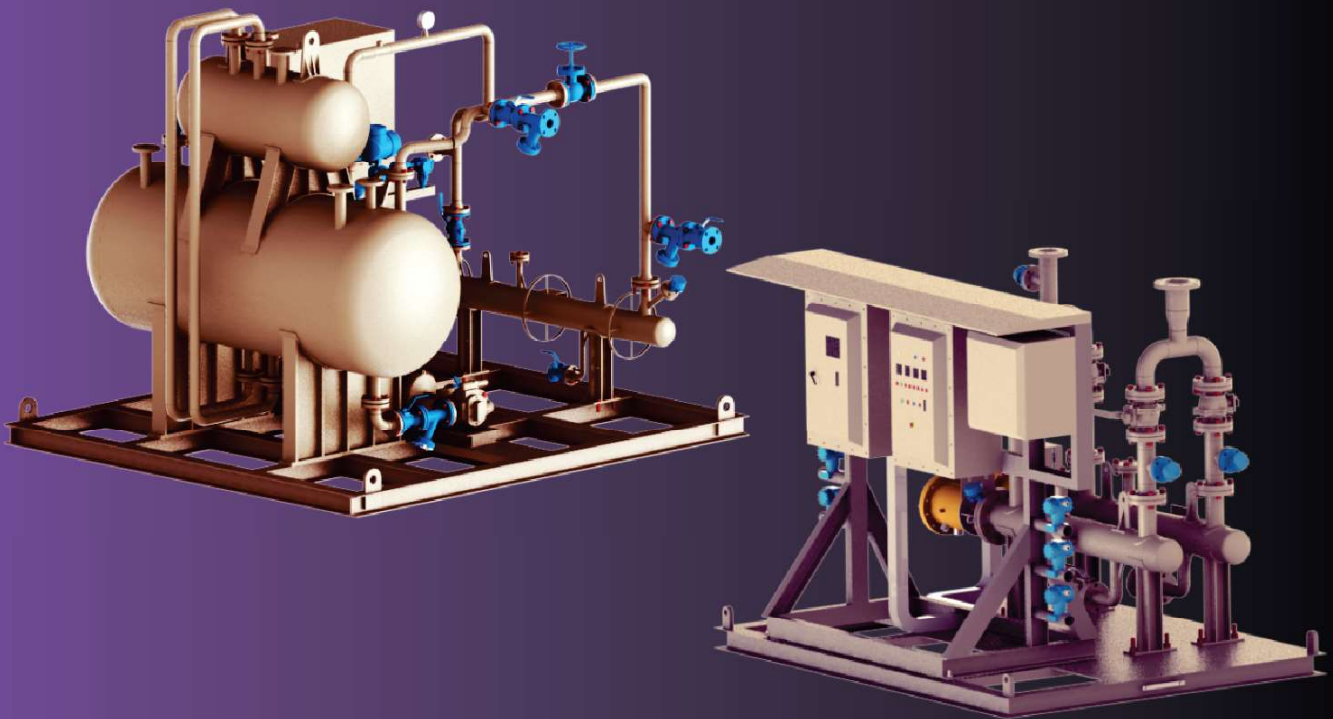


# HEATING SKID SYSTEMS



**MARATHON HEATER (I) PVT. LTD.**

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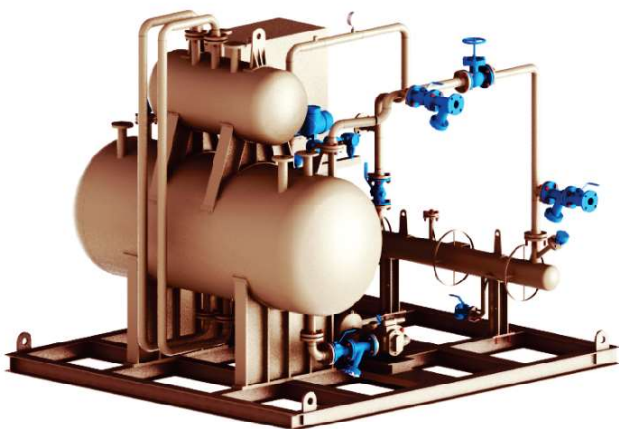
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### HEATING SKID SYSTEMS

Each heater skid is custom made design to suite respective process specifications. A Typical Heater Skid consist of

- Electric Heater bundle
- Pressure Vessel or housing for the Heater Bundle
- Control Panel for the Heater operation control
- Temperature sensors such as RTD's, thermocouples, temperature transmitters, etc.
- Pressure Safety Valve
- Valves for flow control
- Power & Instrument wiring
- Skid base for easy installation at site.

**Note :** Additional Scope such as extended piping, scrubber installation, Instrumentation for flow, pressure & level monitoring etc. can be provided on specific requirement.



#### Features

- Single point piping connections for flow and return.
- Optional stainless-steel terminal box and control panel.
- Single point terminations for field power and instrumentation cabling.

#### Specifications

- 1 The pressure parts & equipment are designed in accordance with the code requirements such as ASME Sec. VIII Div. I or II and PED etc.
- 2 The Heater bundle is designed to install in hazardous area zone 1 & 2, Gas group IIC, temperature class (T1 to T6), with IP 66 protection in accordance with ATEX & IEC Ex Standards.
- 3 The Control Panel can be of thyristor control or contactor bases depending upon the operational requirements.

In recent years, In response to the growing demand for more different versatile applications we have increased the number of skids giving rise to a new design range. Thus, we produce mobile heaters shaped as compact skids, of application in both heating and cooling processes. We perform "customized" executions by designing each skid in accordance with the needs of the end user, either composed of thermal oil heater, or only by re-circulation units or secondary groups. The main targets of these skids are asphalt sector and petrochemicals; the automotive industry or wood sector, for heating presses, etc.

They are specially designed to monitor, control the Gas flow with multiple safety features for the risk-free operation. Also, by considering the incoming gas properties along environmental conditions to achieve the desired outlet flow conditions.



- 4 The control panel is designed to install in hazardous area zone 1 & 2, Gas group IIC, temperature class T6, with IP 65 protection in accordance with ATEX CCOE Standards.
- 5 All the Instruments selected are suitable for hazardous area installation with suitable certifications.
- 6 Alternatively, if the ratings are high, the system can also be divided into two parts with heating system and instruments in one skid and control Panel suitable for safe area installation (mounted in the panel room with extended wirings).
- 7 Pressure vessels can be code stamped (U or U2) or PED or DOSH Certified.
- 8 Raw materials for vessel and piping's can be carbon steel, low-temperature carbon steels, SS, duplex steel or alloys.
- 9 Marathon can design and supply fuel gas heater system suitable for hazardous area installation with an ambient temperature range of -40°C to 60°C.