

FIRE TUBE REBOILER

Astec™ Heatec® Reboilers



ASTEC'S HEAT SOURCE FOR AMINE/GLYCOL REGENERATION

Astec has decades of proven experience providing heating systems for the oil and gas industry. Our expert sales and engineering teams listen to your needs to provide solutions well-suited to your operation. Renowned for quality equipment and world-class service after the sale, Astec strives to be your supplier of choice for heating products.

Astec's Heatec fire tube reboiler is a fired heat exchanger that can be used in systems that process natural gas for pipeline distribution.

Two of these units may be used in a gas processing system: one to regenerate glycol for reuse by removing water, the other to regenerate amine for reuse by removing hydrogen sulfide (H_2S) and carbon Dioxide (CO_2).



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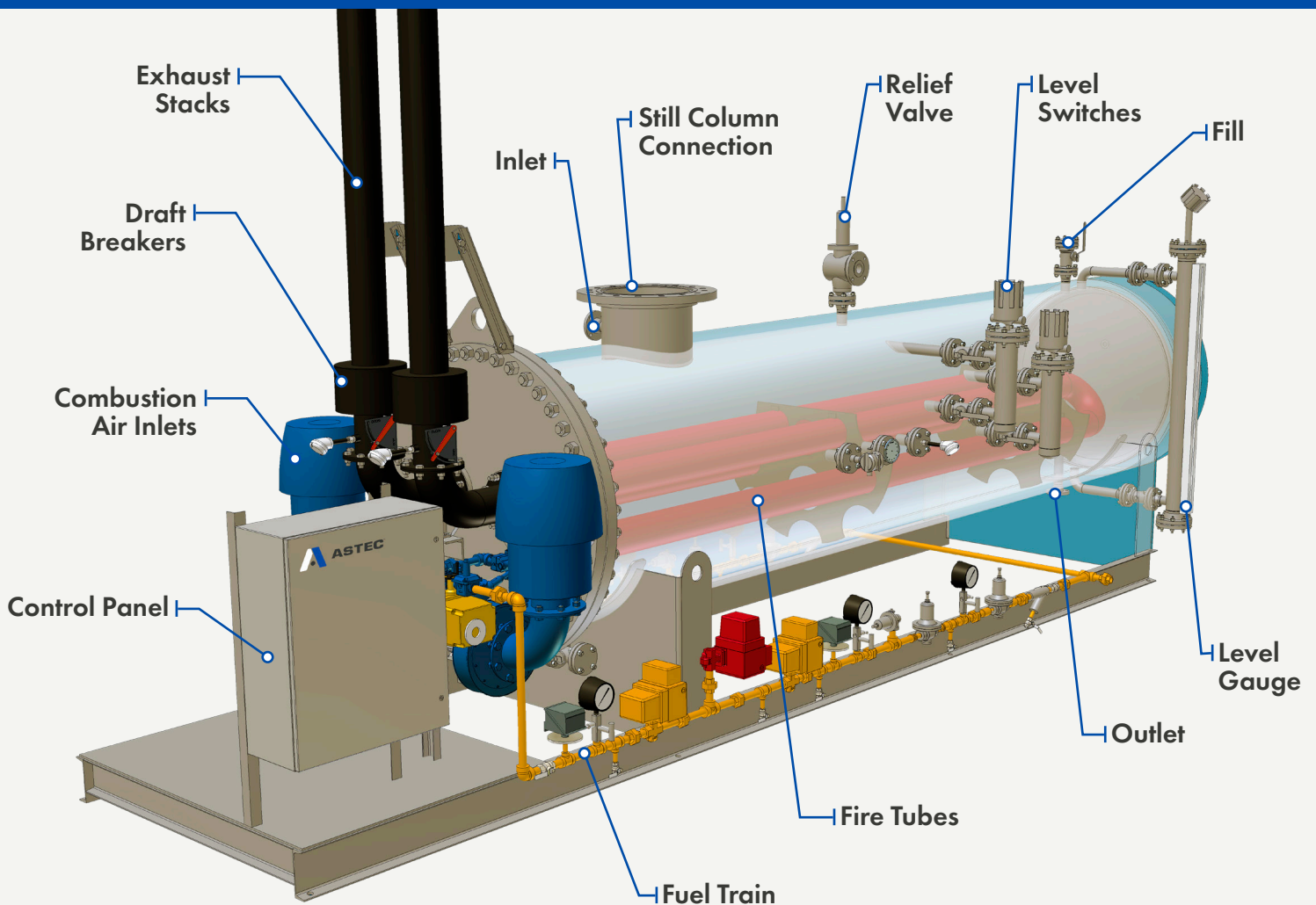
Our reboilers can be configured for a specific use and to suit customer needs. In its standard configuration the unit consists of a steel shell that contains two long-life fire tubes, each with a separate burner. The fire tubes are removable and can be replaced if necessary.

The burners are gas-fired, either forced draft (shown) or natural draft. Each burner has a turndown ratio of 10 to 1. Use of two burners provides a combined turndown ratio of 20 to 1.

The reboiler has natural circulation within the unit and does not require a booster pump. This reduces the electrical energy required—an important consideration for offshore platforms.

Each exhaust stack has a draft breaker that keeps the flow of combustion air constant as operating temperatures change.

The heater shell is insulated to minimize heat loss and increase thermal efficiency.



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