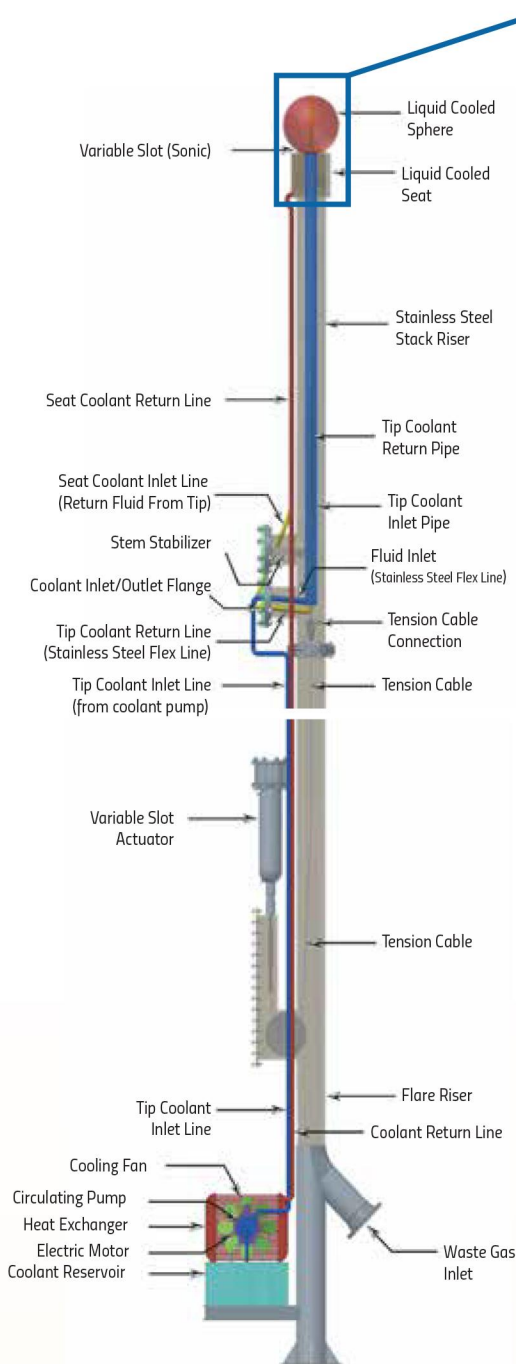




HIGH PRESSURE GAS, LARGE VOLUMES 100% SMOKELESS

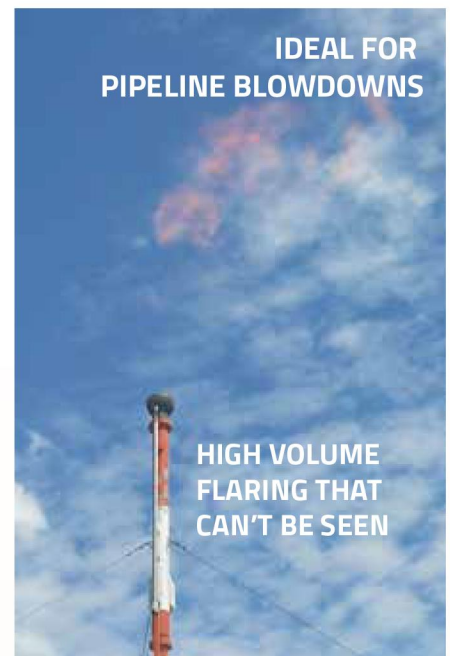


FAV Systems Inc. developed the FAV Systems Variable - Slot flare system to provide 100% smokeless, low radiation, low luminance flaring without the need for an air blower or other assist medium.

The FAV Systems utilizes the internal energy of high-pressure gas to produce a high-aerated, turbulent flame. Gases exit the annular variable-slot at sonic velocity. The slot width varies with the flow rate of the waste gas and is controlled by means of a pneumatic actuator. Exiting gas hits the FAV Systems bowl and is ejected radially at nearly 90-degrees. It forms a film that adheres to the bowl's curved surface and travels around it. The resulting high against low pressure region creates a local vacuum, which entrains air at approximately 20 times the volume of the waste gas stream. This turbulent mix allows smokeless combustion of any hydrocarbon gas stream through the entire operating range of the process gas.

An added benefit is the FAV Systems ability to atomize fluids, thereby handling up to 25% liquid carry over without any fallout, burning rain or smoke. In many cases, the flare can be operated without a liquid knockout drum in the HP flare line. The variable-slot design essentially provides infinite turndown without excessive back pressure or elaborate staging.

For longer life, FAV Systems Super Cool design re-circulates coolant from the flare tip seat and FAV Systems bowl through a heat exchanger at ground level. This prevents thermal expansion and ensures extra protection from overheating and premature breakdown.



**CALL TODAY FOR MORE INFORMATION
ON THE FAV SYSTEMS FLARE TIP.**