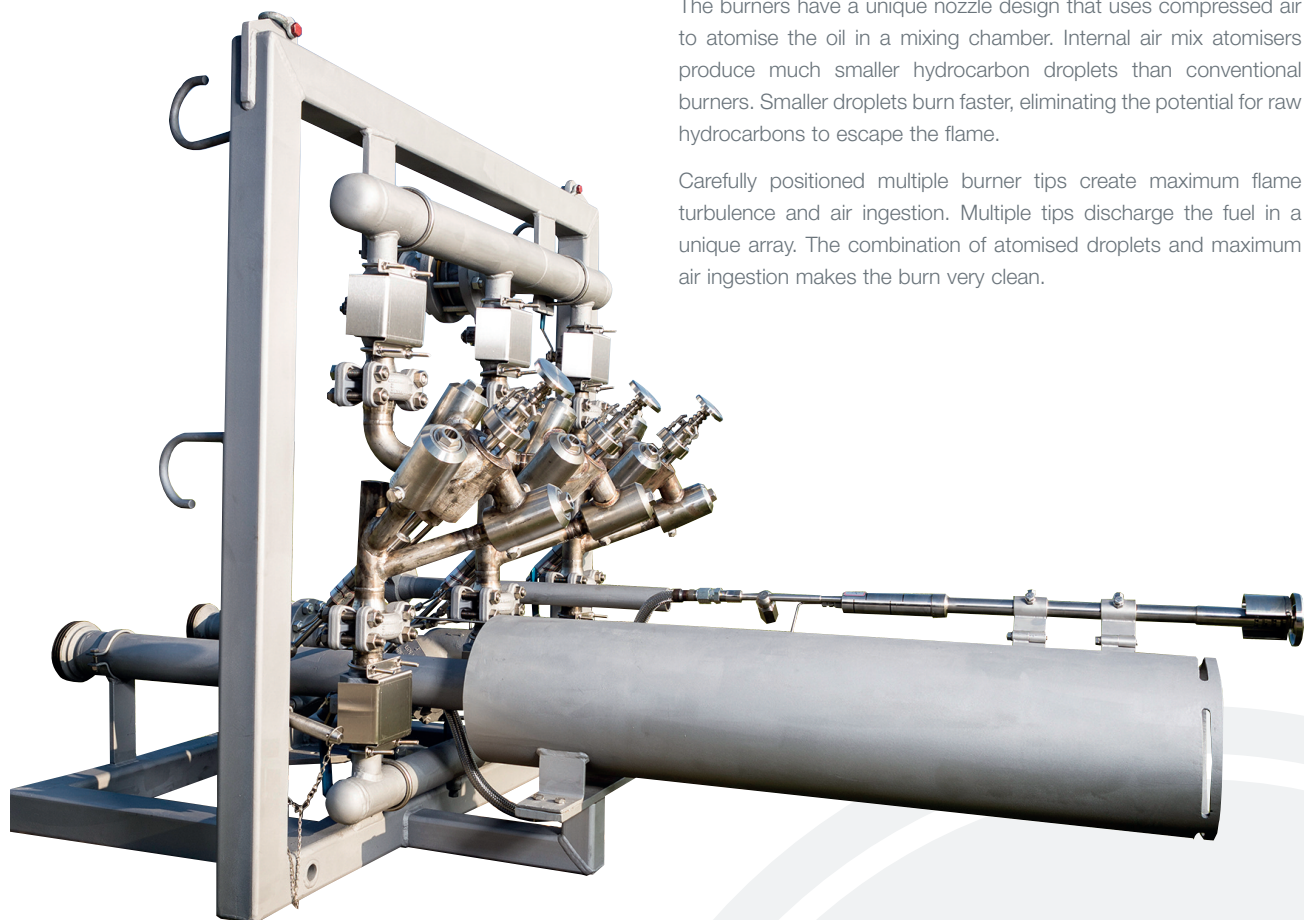


Sea Emerald™ Burner

The Sea Emerald™ well test burner provides clean, efficient disposal of produced oil during well test operations. An independent environmental laboratory test found that the Sea Emerald Burner can operate at 99.993% efficiency under a wide range of conditions.



The burners have a unique nozzle design that uses compressed air to atomise the oil in a mixing chamber. Internal air mix atomisers produce much smaller hydrocarbon droplets than conventional burners. Smaller droplets burn faster, eliminating the potential for raw hydrocarbons to escape the flame.

Carefully positioned multiple burner tips create maximum flame turbulence and air ingestion. Multiple tips discharge the fuel in a unique array. The combination of atomised droplets and maximum air ingestion makes the burn very clean.

Features & benefits:

- An efficient pilot system with a remote ignition source for the finely atomised spray
- Efficient and environmentally friendly (third-party rated at 99.993% efficient)
- Modular design can be combined to match the anticipated flow rates
- Stable pilot assembly provides the reliable ignition source
- Low oil pressure reduces pump capacity requirement
- Clean start up; wide turndown ratio; simple operation

Applications:

- Offshore oil and gas well testing and clean up operations

Sea Emerald™ Burner

Technical specifications:

Oil

Flow rate (3 heads)	12,000 bpd	636-1907 m ³ /d
Maximum working pressure	1,440 psi	9,928 kPa
Test pressure	2,160 psi	14,892 kPa

Air

Nominal flow rate	4,500 scf/min	127 m ³ /min
Maximum working pressure	750 psi	5171 kPa
Test pressure	1,125 psi	7756 kPa

Temperature rating dimensions

(approximate) -20°F to 300° F (-29°C to 149°C)

Length x width x height	5.45 x 6.56 x 5.51(ft)	1,660 x 2,000 x 1,680 (mm)
Weight (estimate with transportation frame)	2,640lbs	1,200kg

Light weight type	1,790lbs	812kg
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Standards	NACE MR01-75 ASME B31.3 DNV 2.7.1 transportation skid only
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Note - the above design codes are for guideline purposes only; for specific information, and any additional codes applicable to comply with region specific standards, please consult your local Expro representative

