

# Well Flow Management

## Well Testing | Disposal

### Sea Emerald Burner

**The Expro Sea Emerald Burner is used to provide 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 atomize the oil in a mixing chamber. Internal air mix atomizers produce much smaller hydrocarbon droplets than conventional burners. Smaller droplets burn faster, eliminating the potential for raw hydrocarbons to fall out of 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 atomized droplets and maximum air ingestion makes the burn very clean.

An efficient pilot system with remote igniters provides the ignition source for the finely atomized spray.



#### Applications

- Onshore and offshore oil and gas well testing and clean-up operations

#### Features and benefits

- An efficient pilot system with remote igniters provides the ignition source for the finely atomized spray
- Highly efficient, environmentally friendly; third-party rated at 99.993% efficient
- Modular design can be used in multiples 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





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Technical specifications	
Oil flow rate (3 heads) bpd (m <sup>3</sup> / d)	4,000 to 12,000 (636 to 1,908)
Air nominal flow rate - scf/min (m <sup>3</sup> /min)	4,500 (127)
Maximum working pressure - psi (bar)	1,440 (99)
Test pressure - psi (bar)	2,160 (150)
Temperature rating - °F (°C)	-20 to 300 (-29 to 149)
Dimensions (L x W x H) - ft. (m)	5.45 x 6.56 x 5.51 (1.66 x 2.00 x 1.68)
Weight - lbs (kgs)	2,640 LWO 1. - 1,790 (1,200) (LWO - 812)

Note: Design codes used in manufacture NACE MR01-75, ASME B31.3, DNV 2.7.1 (transportation skid)

The above referred design codes are for guideline purposes only, for specific information and any additional codes applicable to comply with region specific standards, please contact your local Expro representative or email [welltesting@expro.com](mailto:welltesting@expro.com)