Well Flow Management

Well Testing | Disposal

Super Green Burner

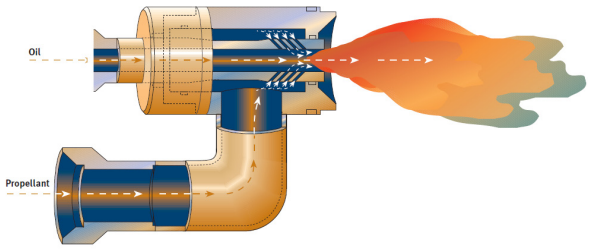
The Expro Super Green burner is a multi-head system, which has been designed on simple, basic principles to ensure maximum clean burn capability with minimal fall-out. The simple design concept has proven extremely effective in contributing to continuous trouble free operation.

The oil path through each burner head is via a 2” mixing chamber which also allows the passage of solids without causing blockages and subsequent performance problems.

The propellant (air) enters the mixing chamber through a series of ports drilled tangentially across the inner mandrel, thus creating both linear and rotational shearing effects which help improve atomization immediately upon exit of the chamber.

Improved atomization produces a more effective flame pattern, which aids the combustion of the crude oil and significantly reducing the likelihood of fallout. The design also reduces operating pressures, leading to increased output and improved flexibility.

The burner system can be supplied in various head configurations sized to suit flow conditions and other operating parameters. It may also be enhanced with ports to enable injection of chemical agents to further optimize burn capabilities.



Applications

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

Features and benefits

- Unique burner head design
- No moving parts
- Low operating pressures
- Complete crude oil disposal through combustion
- Dynamic, elongated flame pattern
- Minimizes smoke and fallout pollution
- Reduced maintenance during operations
- Maximizes the operating parameters of a well test / clean-up package

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Technical specifications			
	Single head burner	3 head burner	4 headed burner
Oil flow rate bpd (m3/d)	4,000 (636)	12,000 (1,908)	16,000 (2,544)
Maximum working pressure psi (bar)		1,440 (99)	
Test pressure psi (bar)		2,160 (150)	
Maximum working temperature °F (°C)		248 (120)	
Dimensions (L x W x H) ft. (m)	6.14 x 4.92 x 6.07 (1.87 x 1.5 x 1.85)	7.5 x 5.4 x 6.56 (2.29 x 1.65 x 2)	8 x 5.8 x 7.2 (2.4 x 1.8 x 2.2)
Weight (dry) lbs (kgs)	1,102 (500)	1,764 (800)	2,205 (1,000)

Note: Designed and manufactured to ASME B31.3, NACE MR-01-75 (H2S)

Weights and dimensions are for indicative purposes only, varying burner head configurations can be supplied on request.

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 consult your local Expro representative or email **welltesting@expro.com**