Super Green Burner

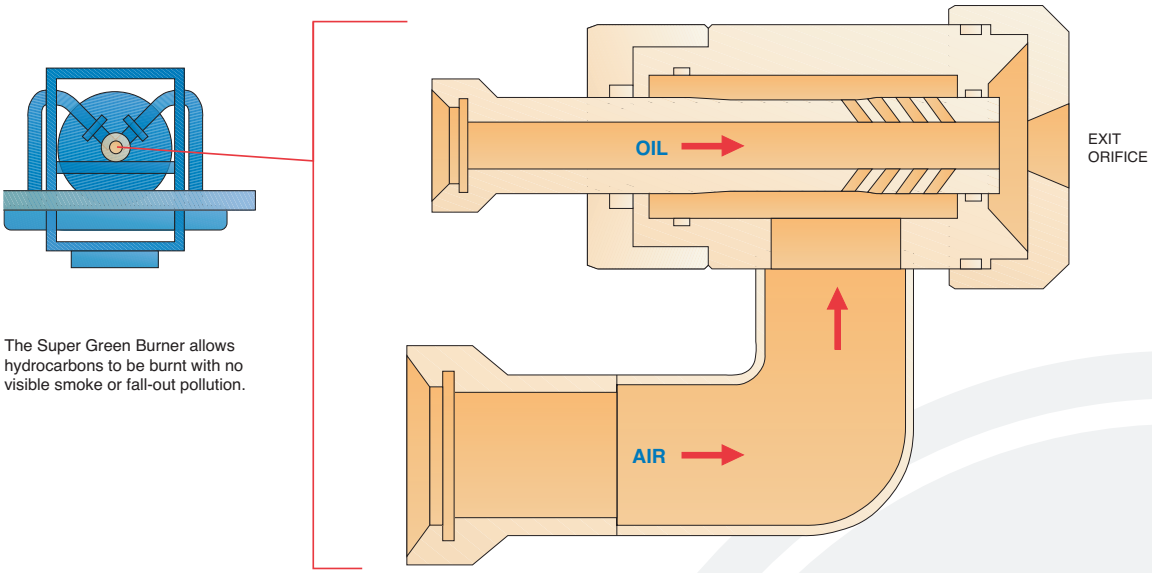
Expro's Super Green Burner is designed for maximum clean burn capability with minimal fall-out.

The oil path through the burner 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 atomisation immediately upon exit of the chamber. This produces a more effective flame pattern, which aids the combustion of the crude oil and reduces background radiated heat.

The design of the Super Green Burner also reduces operating pressures, which results in significant safety advantages by lowering the overall well test system operating pressure.

The Super Green Burner system can be supplied in various head configurations, sized to suit flow conditions. Higher performance units have modified nozzle arrangements, which in turn require higher volumes of compressed air.

The Super Green Burner design concept, although extremely effective is very simple thus guaranteeing continuous trouble free operation.



The Super Green Burner allows hydrocarbons to be burnt with no visible smoke or fall-out pollution.

Feature & Benefits:

- Unique burner head design
- No moving parts
- Low operating pressures
- Complete crude oil disposal through combustion
- Dynamic, elongated flame pattern
- Minimises smoke and fallout pollution
- Reduced maintenance during operations
- Maximises the operating parameters of a well test / clean-up package
- Eliminates the requirement for storage tanks
- Assists in directing radiated heat away from the installation

EXPRO
WELL TESTING & COMMISSIONING

Super Green Burner

Technical Specifications:

Typical hook-up

Ignition System	Propane lance from 110 / 240 volt supply
Oil Line Connection	3" fig 602 female (multiple atomising heads)
	2" fig 602 female (single atomising head)
Air Line Connection	4" fig 206 or 602 female (multiple atomising heads
Water Line Connection	3" fig 602 female (if utilised)

Codes & Ratings

Design Code (piping)	ASME B31.3 in accordance with SI 289
Service	NACE MR-01-75 (H_S)
Max. Working Pressure	1440 psi (99 Bar)
Max. Working Temperature	248°F (120°C)

Estimated Weights & Dimensions

Single Head Burner	2020 lbs (6.14' x 4.92' x 6.07')
	915 kgs (1.87m x 1.5m x 1.85m)
Three Head Burner	2205 lbs (7.5' x 5.4' x 6.56')
	1000 kgs (2.29m x 1.65m x 2m)
Five Head Burner	2656 lbs (8' x 5.8' x 7.2')
	1200 kgs (2.4m x 1.8m x 2.2m)

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

Typical Oil Capacities

Single Head Burner	3000 bpd (475 m^3/d)
Three Head Burner	9000 bpd (1430 m^3/d)
Five Head Burner	15000 bpd (2385 m^3/d)

*The above quoted rates require variable air capacities together with deliverable air pressures up to 125 psi.

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