

Well Flow Management

Well Testing | Disposal

Burner Boom

Expro burner booms position the gas flare and/or oil burner in a safe environment away from the rig structure and operations. The burner booms are designed specifically to cover a wide range of flowing conditions and to ensure ease of installation.

The Expro burner booms are designed specifically for Expro burner heads. The boom is fabricated with a platform section complete with handrails and all piping necessary for burner operations. Multiple lines sizes can be installed to meet anticipated well parameters.

The burner booms are composed of two or three sections bolted together and supported by wire rope cables attached to stationary tie back points on the rig or platform structure.

Following a detailed pre-job inspection of the rig, engineering calculations are generated as part of the well test design report to ensure the installation meets all necessary structural and load criteria for safe deployment and use of the booms.

Where suitable fixed points are not available King Posts of suitable elevation (height) and loading, as well as side wire deck pad eyes are designed, fabricated and installed in close cooperation with rig/platform owners and customer representatives.

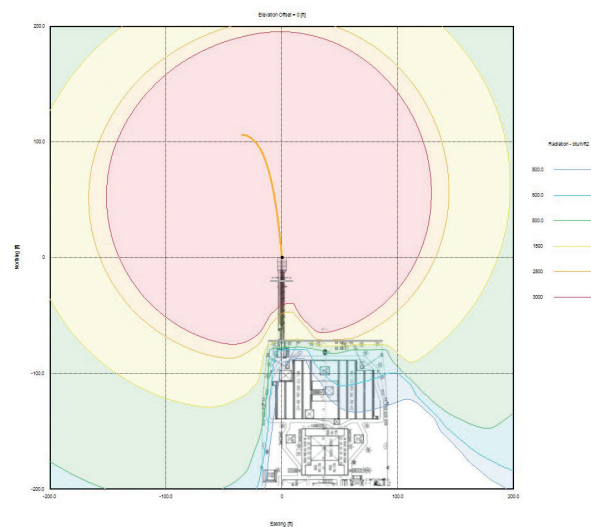
Boom length requirements are dependent on location and quantity of heat radiation expected, if requested, anti-heat radiation spray arms may be mounted on the boom.

Applications

- Offshore oil and gas well testing and clean-up operations

Features and benefits

- The gas flare and/or oil burner are in a safe environment away from the rig structure and operations
- Provides a working platform for personnel during maintenance operations
- Remove radiant heat to a safe area away from rig
- Provide access for service and utilities to gas flare and oil burner – ignition systems, deluge systems, air, oil, water and gas





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Technical specifications				
Length ft. (m)	Working pressure psi (bar)	Piping - nominal inches	Weight (dry) lbs (kgs)	Dimensions (L x W x H) ft. (m)
52 (15.85) Box frame		Gas = 6" Oil = 3" or 4" Water = 2" or 3" Air = 2" or 3" Propane = 1/2"	10,000 to 13,400 (4,536 to 6,078)	52 x 6.5 x 10 (15.85 x 2 x 3)
52 (15.85) U-frame		Gas = 6" Vent = 6" Screen water = 2" Oil = 3" or 4" Water = 2" or 3" Air = 2" or 3" Propane = 1/2"	11,500 (5,215) Without burner	52 x 8.2 x 4.7 (15.85 x 1.9 x 1.4)
52 (15.85) Triangular frame	1,440 (99) Oil line pressure	Gas = 6" Vent = 6" Screen water = 2" Oil = 3" or 4" Water = 2" or 3" Propane = 1/2"	23,369 (10,600) Without burner	61 x 5.3 x 6.2 (18.3 x 2.5 x 1.3)
72 (21.95) Box frame		Gas = 4" Oil = 3" Water = 2" or 3" Air = 2" or 3" Propane = 1/2"	13,400 to 16,800 (6,078 to 7,620)	72 x 6.5 x 10 (22 x 1.9 x 3)
72 (21.95) U-frame		Gas = 6" Vent = 6" Screen water = 2" Oil = 3" or 4" Water = 2" or 3" Air = 2" or 3" Propane = 1/2"	10,390 to 15,200 (4,713 to 6,900)	72 x 8.1 x 4.7 (22 x 2.5 x 1.4)
90 (27.43) U-frame		Gas = 4" or 6" Vent (2) = 4" Water = 3" Oil = 3" Air = 3" Spare = 3"	11,511 (5,221)	90 x 8.6 x 4.3 (27.4 x 2.6 x 1.3)

Note: Design codes used in construction are for Piping: ANSI B31.3 and NACE MR-01-75.

Weights and pipe sizes can vary depending on flowing parameters and rig structure. Other sizes, configurations and pressure ratings are available to meet most applications, for more information contact your local Expro representative or email welltesting@expro.com