

Section 09 – Process Equipment (Offshore) - Sales Item 09090512

FWTB -01-16K Burners (8 x New) c/w MI Power Cables, JB's for a 30MTR Flare
Boom and ICP/Stand

DETAIL AS FOLLOWS:

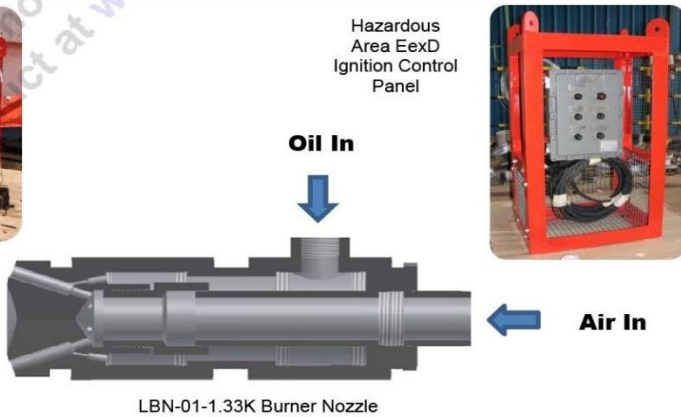


Package Technical Specifications			
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3	Model	FWTB-16K (Well Test Burner)	
4	Numbers of Burners	1 to 12 (Removable as required)	
5	Number of Pilots	1 to 4 (1 per burner)	
6	Protection Systems	Wafer Check Valves (Oil and Air Inlet Lines)	
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8	Pressure - Design / Operating :	Oil Systems	1440 / 100 to 400 psig 99 / 6.9 to 27.6 barg
9		Utility Air Systems	1440 / 100 to 150 psig 99 / 6.9 to 10.3 barg
10		Pilot Gas Systems	275 / 10 to 40 psig 19 / 0.7 to 2.8 barg
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12	Temperature - Design / Operating :	Oil Systems	100 / -40 to 752 f 38 / -40 to 400 c
13		Utility Systems	100 / -40 to 752 f 38 / -40 to 400 c
14		Pilot Gas Systems	100 / -40 to 752 f 38 / -40 to 400 c
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16	Flow - Oil :	Maximum (6 Burners)	16,000 bbl/day 2,544 m3/day
17		Minimum (1 Burner)	1,000 bbl/day 159 m3/day
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19	Flow - Utility Air / 1,000bbl oil/day	343 to 450 sft3/min 9.7 to sm3/min	
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21	Overall Dimensions - L x W x H	83 x 78 x 57 Inch 2,104 x 1,973 x 1,447 mm	
22	Dry Weight	2,200 lbs 1,000 kg	
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24	Connections :	Pilot Gas	1" hex union thread half
25		Main Burner Utility Air	4" hammer union thread half
26		Main Burner Oil	3" hammer union thread half
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28	Design Codes and Standards :	ASME B31.3	
29		NACE MR-01-75 (H2S)	
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Burner Nozzle Specifications			
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32	Model	TLB-01-4K (Triplex Liquid Burner)	
34	Flow - Oil :	Maximum	4,000 bbl/day 636 m3/day
35		Minimum	1,000 bbl/day 159 m3/day
36	Water Cut	25 % (maximum)	
37	Oil Gravity	14 to 60 API	
38	Particulate Tolerance	50 micron (maximum)	
39	Weight	158 lb 72 kg	
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Pilot Specifications			
41			
42	Model	LBP-01 (Liquid Burner Pilot)	
44	Flow - Pilot Gas / Pilot :	Propane	6 / 10 lb/hr 2.7 / 4.5 kg/hr
45		Natural Gas	86 / 145 sft3/hr 2.4 / 4.1 sm3/hr
46	Ignition System	Manual (1 per pilot)	
47	Power Supply	110 VAC 50/50 Hz Single Phase	

1	Description
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3	The FLAREON FWTB range of Well Test and Disposal burner packages have been specifically designed to meet industry
4	requirements and cope with the harsh environments and fluids encountered in onshore and offshore applications. The FWTB-
5	01-16K is a standard package designed to flow a maximum of 16,000 Barrels per day (BBL/day) of fluid with no liquid fallout
6	and minimal smoke up to 12,000 BBL/day while water cut is required to maintain smokeless operation at full design capacity.
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8	Each units includes twelve LBN-01-1.33K Burner Nozzles separated into four groups of three around four of our LBP-01 Liquid
9	Burner Pilots. This layout minimises flame interference, improving overall burn efficiency. Individual nozzles cane easily
10	removed or isolated as required.
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12	The Burner Nozzles work on a traditional and well proven concept of air or steam atomisation within a Y-Jet formation. The
13	sizing's and angles are optimised by extensive in-house testing.
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15	This simple design has no moving parts and is sized to avoid blockage and keep pressure drop to a minimum often negating
16	the use of booster pumps.
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18	In addition to our standard products we offer tailor-made solutions based around our typical burner nozzle design to meet with
19	your application requirements. Individual units can be designed between 1,000BBL/day and 16,000BBL/day with a variety of
20	connections types (Flanged, Hammer Union, screwed, fully welded) and sizes. Flame detection can be offered on request with
21	control panels ranging the standard manual push-button ignition to auto-ignition and detection with communication to a plant
22	DCS for remote monitoring.
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24	Features :
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26	- Compact size and simple design
27	- Low pressure drop. Low pressure requirement
28	- Backflow protection on oil and air lines
29	- High turndown
30	- Easy to clean and maintain
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FWTB-01-16K
Burner
Packages



LBN-01-1.33K Burner Nozzle

Notes:

- Available subject to prior sale.
- Can be sold as individual units
- Located in Indonesia.
- Full Documentation Packages are available upon request.