

Well Flow Management

Well Testing | TMU

Trailer Mounted Units (TMU)

The Expro well test trailer unit comprises a two-trailer concept, equipped with all well testing equipment necessary to perform testing operations in the field on a stand-alone basis.

Trailer 1 - Process

Consists of a self-contained surface process package typically required to perform Well Test operations in a safe and efficient manner. The trailer provides an integrated surface testing package built to current industry standards from the surface safety valve, choke manifold through separator to the surge tank.

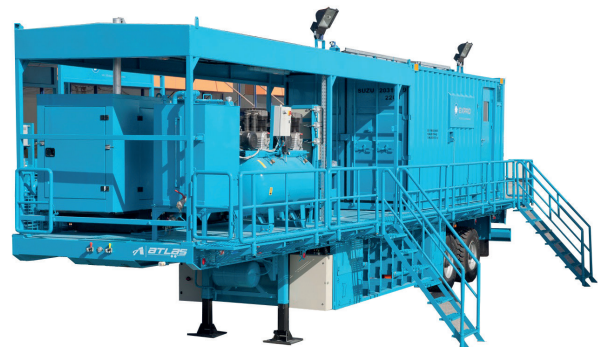
Trailer 2 - Utility

Is a utility trailer that provides a site office/well test laboratory/workshop with ancillary power and fuel storage capacity.

Both trailers are complete with lightweight safety handrails and fold-away steps which collapse and fit under the trailer beds, Racks and boxes are also fitted here to carry the interconnecting pipework packages for linking the Process trailer to the wellhead and downstream to the flare or produced fluid disposal site.

Lighting is fixed to the units to allow night time operations, a stand-alone floodlight system can also be provided to enhance overall site visibility.

Additional trailers can be provided to meet any specific client requirements or these units may be further complimented by the provision of trailer mounted oil storage tanks with a nominal capacity of 500 bbl, ideally suited to operations where oil recovered during testing can be transported off site for further processing.



Applications

- Onshore well testing

Features and benefits

- Reduce rig-up and rig-down time
- Desert or other land environment
- Meets industry design standards
- Integral Piping pre-installed
- Under slung pipes racks and baskets
- Fold down walkways and lightweight safety handrails
- Installed on the trailer using ISO twist type trailer locks

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Technical specifications

	Trailer 1 (Process)	Trailer 2 (Utility)
Equipment	Surface safety valve (SSV) (3-1/16" 10,000 psi MAWP)	DAQ lab/workshop (20 ft. ISO sized, converted safe area office and workshop container)
	ESD control panel	Air compressor (electric motor driven, 11 bar pressure, flow rate 76 scf/min (129 m3/day) with 900 litre air tank)
	Choke manifold (3-1/16" 10,000 psi MAWP)	
	Test separator (1,440 psi MAWP, 42"x 10ft horizontal, 3 phase)	Power generator (135 KVA, 400 V, 3 phase, 50 hz diesel engine driven)
	Interconnecting piping	
	Surge tank (50 psi MAWP, 50 bbls capacity)	
	2 x Transfer pumps (5,000 bpd capacity at 100 psi, centrifugal, 25 HP explosion proof 3 phase electric motor)	Fuel tank (up to max 3,000 litres)
Liquid capacity bpd (m3/d)	9,000 (1,431)	N/A
Gas capacity MMscfd (MM m3/d)	60 (1.695)	N/A
Design codes	ASME Sec VIII Div 1, ASME B31.4 API 6A, NACE MR0175	N/A
Zone classification	Zone 1	Safe area
Trailer length – ft. (m)	55 (16.8)	40 (12)
Trailer width – ft. (m)	8 (2.4)	8 (2.4)
Trailer overall height - ft. (m)	15 (4.6)	15 (4.6)
Trailer height, lower deck – ft. (m)	4.5 (1.4)	4.6 (1.4)
Trailer height, Gooseneck – ft. (m)	6.5 (1.99)	6.5 (1.99)
Total weight tons (kgs)	40 (40,000)	30 (30,000)

Note: 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