



Process trailer-59" x 20' s/s 2000 PSIG Trailer Mounted 3 phase test separator

This will be the Primary or Well test trailer and is constructed as a Goose neck type with 3 x 16 Ton axles giving an overall payload capacity of 40 Tons. Overall dimensions are 60ft long x 8.5ft wide x 4 ½ft high to main payload bed from ground level. Below listed equipment items will be installed on the trailer using ISO twist type trailer locks where applicable. H2S service pipework package to interconnect all the equipment installed on the trailer is manufactured, installed and tested as per ANSI B31.3 and NACE MR01.75. Interconnection type used 1502 and 206 hammer union throughout as required by the specifications of the equipment list below. Unit is supplied with fold down walkways and lightweight handrails on all sides and 4 sets of steps to ground level. The unit is supplied with an insulated aluminum structure to cover the open working areas between the installed equipment. Also supplied with explosion proof electrical distribution panel and system to supply the equipment installed on the trailer and including additional flood lighting to the external area around the trailer. Includes pneumatic distribution system to supply the equipment installed on the trailer and including additional outlets for use as required. The vessel and carrier have been painted with Endura paint and high gloss topcoat to protect against external environmental factors.



GENERAL SPECIFICATIONS	
Well Test Separator	Test Separator -59" x 20ft s/s 2000 PSIG 10 m3 / 67 barrels
Nominal Vessel Size	59" x 20ft Horizontal
Design Pressure	2000psi @ 122 Deg F
Maximum Working Pressure	1850psi @ 250 Deg F
Service conditions	H2S / CO2
Maximum Liquid rate (High liquid level)	25,000 BPD (with 3 min. retention) 73,000 BPD (with 1 min. retention)
Maximum Gas rate (Low liquid level)	78 MMScfd
Maximum Gross Mass	58,000 kgs
Fluid Inlet	4" ANSI 600RF flange and 3"206 Female
Fluid outlets	
Gas	4" ANSI 600RF flange and 3"206 Male
Oil	3" ANSI 600RF flange and 3"206 Male
Water	3" ANSI 600RF flange and 3"206 Male
Vent	4" ANSI 150RF flange and 4"206 Male



Measuring equipment

Gas	<ul style="list-style-type: none"> • 6" DC Daniel Orifice meter with 5.761" LB • Barton 3 pen Pressure, Differential & Temperature recorder • PVT sampling points including 1"NPTF for Isokinetic sampling
Oil	<ul style="list-style-type: none"> • 2" Nu-Flo Turbine meters with MCII+ display • Pressure, Temperature, PVT sampling points • Calibrated Shrinkage tester
Water	<ul style="list-style-type: none"> • 2" Nu-Flo Turbine meter with MCII+ display • Pressure, temperature, Sampling points
Control equipment	
Gas	6" FO pneumatic Pressure control valve with C1 Pressure controller
Oil	3" FC pneumatic Level control valve with L3 Level controller with external displacer and Sight glass
Water	3" FC pneumatic Level control valve with L3 Level interface controller with external displacer and Sight glass
Safety devices	<ul style="list-style-type: none"> • 4" Pilot operated Pressure Safety Valve mounted directly on independent vessel nozzle with 4" Vent line to skid edge • 2 x Grounding points on opposite diagonal sides of base skid
Manufacturing / Design Codes	ASME VIII Div.1 & U stamp / ANSI B.31.3 / NACE MR01.75