

4 Phase, 1440 PSI, 48"OD X 10' S/S Test Separator with Solids
Cyclone



MWP:	1440 PSI @ 120° F	Shell Dimension:	48" OD X 10' S/S
Built Year:	2005	Service:	Sour Service
Inlet Line Size	4"	Gas Line Size	4"
Gas Meter:	Daniel Senior Orifice 4"	Static Press/ Diff Press Recorder	Barton Chart Recorder
PCV:	Fisher 3"	Press Controller:	Fisher 4150
Oil Meter 1:	QS 1"X2" 170-1700 BPD With Digital Flow Analyzer	Oil Meter 2:	EZ-IN 2"X2" 1371-13714 BPD With Digital Flow Analyzer
Water Meter1:	QS 1"X2" 170-1700 BPD With Digital Flow Analyzer	Water Meter 2:	QS 2"X2" 1300-13000 BPD With Digital Flow Analyzer
Oil LCV	Fisher 3"	Oil Level Controller	Fisher L2, Snap-Acting

Water LCV	Fisher 3"	Water Level Controller	Fisher L2, Snap Acting
PRV 1:	Mercer 2X3	PRV 2:	Mercer 2X3
Shrinkage Tester	4000 cc	Instrument Air Pot	Available
NOTE: All valves and instruments have been replaced in 2015			

Technical Specification for Test Separator

It is a mechanical device to separate and measure sand, water, oil and gas rates. The principal internal components of the separator are used to help in the separation. The coalescing plates prevent droplets larger than 15 mm from being carried into the outlet gas stream, and the mist extractor, which is the last obstacle the gas must pass before leaving the separator vessel, blocks fine liquid droplets still in the gas. The blocked droplets coalesce back into the oil

The main elements of the test separator are the vessel (including internal components, pressure and level regulators and safety devices), the piping necessary for the different phases and metering (fitted with corresponding metering devices), and the skid and its protective frame. Separators are also equipped with a built-in Cyclone, shrinkage tester, Barton recorder and sampling points.