



Test Separator

SURFACE EQUIPMENT

Overview

The horizontal 3-Phase test separator is a modular unit containing all the controls and measuring devices required to provide accurate well test data. The separator vessel is available in different diameters and lengths to suit any flow rate application. It provides a safe and efficient separation process, using internal components to maximize the separation process. Metering is performed on all three phases, utilizing turbine meters on the fluid legs and orifice or Coriolis meters on the gas. Protected with overpressure and level devices, they can if needed, be trailer mounted for ease of deployment.

Applicable Information

- Onshore operations
- Frac flow back cleanup, configured in three or four phase operation
- Well cleanup operations
- Single phase separation and measurement
- Extended production tests

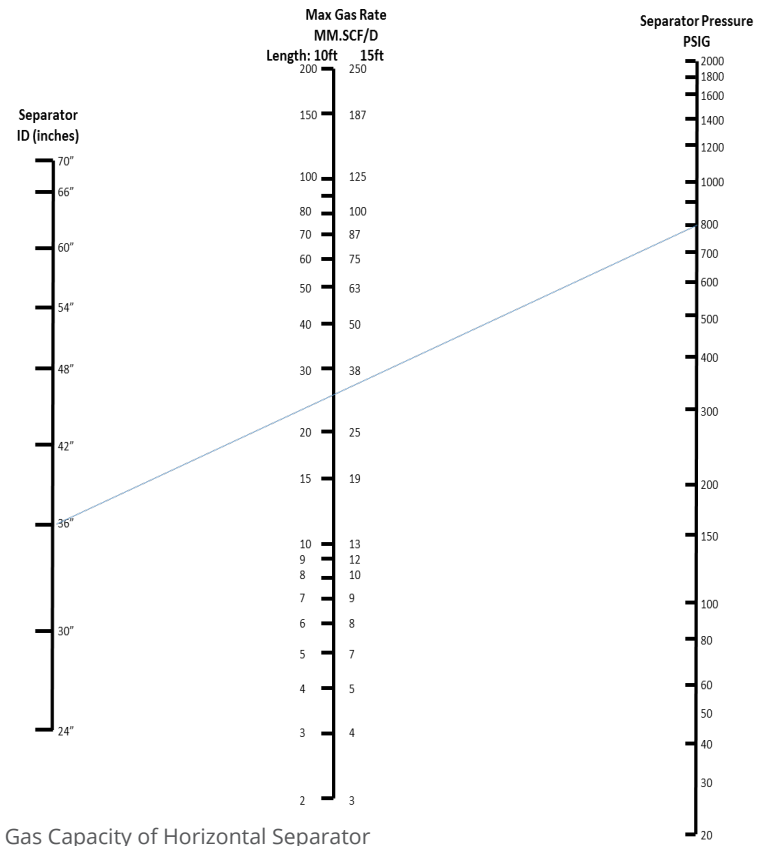
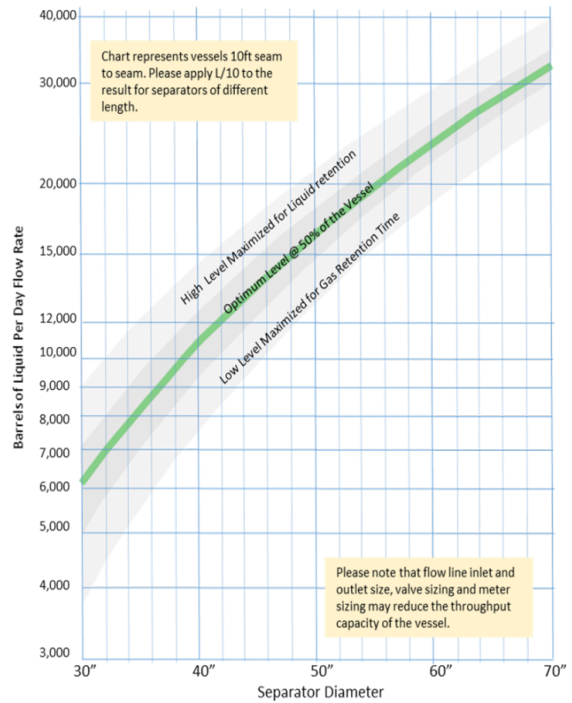
Features

- Inlet bypasses to fluid and gas
- Dual vessel relief system
- Inlet relief system
- Internal components
 - Inlet deflector
 - Weir plate
 - Vortex breakers
 - High performance mist extractor
- Internal or external still wells

Benefits

- Modular design, quick rig up
- ASME BPVC VIII and NACE compliant
- DNV certified skid

Liquid Capacity of Horizontal Separators



Gas Capacity of Horizontal Separator

Equipment Specifications - Test Separator						
Maximum Allowable Working Pressure (psig)	1,440	1,440	1,440	2,025	2,025	1,440, 720 & 275 psi
Temperature Range (°F)	-20/130	-20/130	-20/130	-20/130	-20/130	-20/130
Vessel Dimension ID in length (ft)	30" x 10"	36" x 10'	42"ID x 12'SS	36"ID x 10'SS	48"ID x 12'SS	60"ID x 15'SS
Gas (mmscf/d)	30	40	80	65	95	160
Liquids (bpd)	6,000	8,200	15,000	8,200	17,000	45,000
Gas Meter	4"	4"	6"	4"	6"	6"
Liquid Meters	2"	2"	2", 3"	2"	2", 3"	3", 4"
Service Design	Sour Service					
Applicable Codes	ASME Sec VIII Div 1 / ASME B31.3 / NACE MR-01-75					
Weight (lbs)	15,000	20,000	36,000	30,000	48,000	68,000



36" x 10' - 3 phase - 1440 psi