

PRODUCTION TESTING & FLOWBACK PRODUCT

TEST SEPARATOR

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.

APPLICATIONS

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

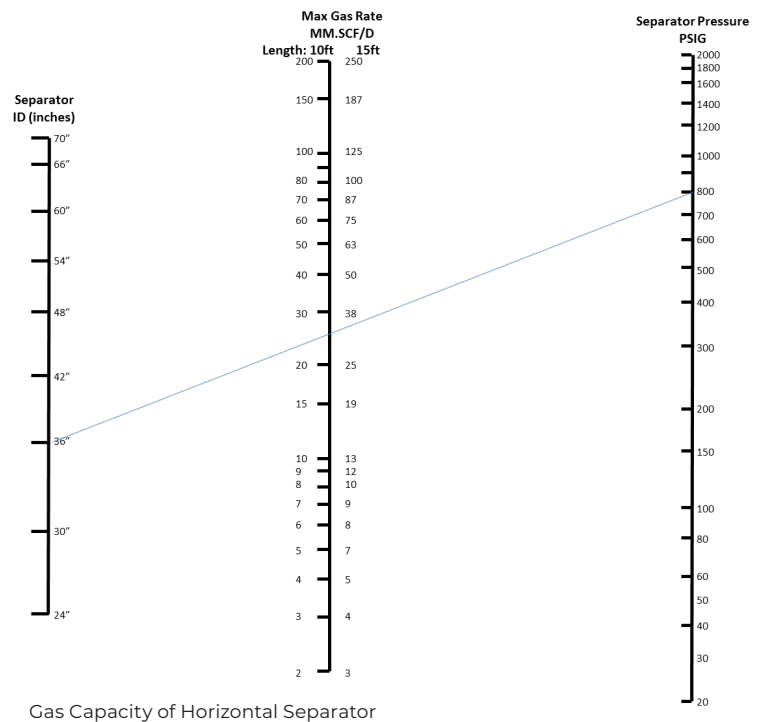
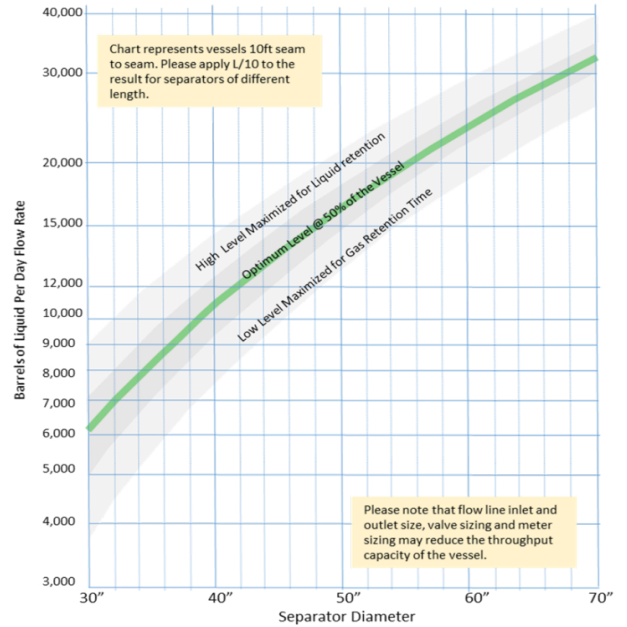
FEATURES

- ▶ 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

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SPECIFICATIONS

MAWP	1,440 psig	1,440 psig	1,440 psig	2,025 psig	2,025 psig	1,440, 720 & 275 psig
Temperature	-20/130°F	-20/130°F	-20/130°F	-20/130°F	-20/130°F	-20/130°F
Dimensions	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	30 mmscf/d	40 mmscf/d	80 mmscf/d	65 mmscf/d	95 mmscf/d	160 mmscf/d
Liquids	6,000 bpd	8,200 bpd	15,000 bpd	8,200 bpd	17,000 bpd	45,000 bpd
Gas Meter	4"	4"	6"	4"	6"	6"
Liquid Meters	2"	2"	2", 3"	2"	2", 3"	3", 4"
Service Design	Sour Service	Sour Service	Sour Service	Sour Service	Sour Service	Sour Service
Applicable Codes	ASME Sec VIII Div 1 / ASME B31.3 / NACE MR-01-75					
Weight	15,000 lbs	20,000	36,000	30,000	48,000	68,000

36" x 10' 3-Phase 1440 psi



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