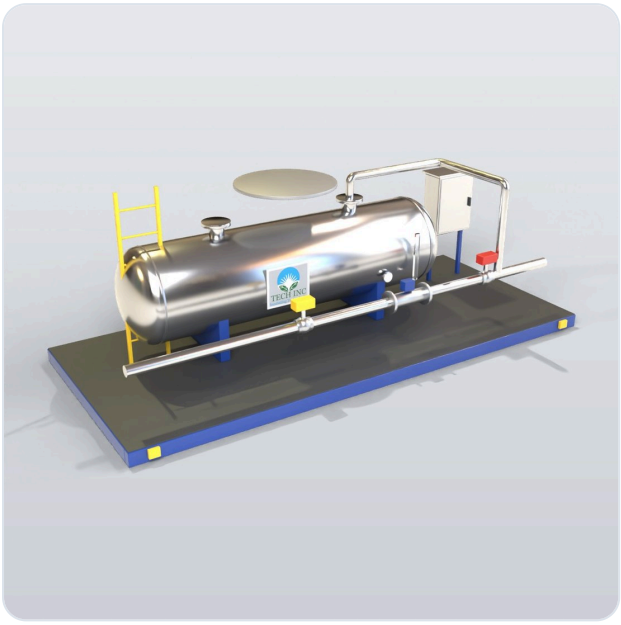
PRODUCT DATASHEET

Test Separator Package

Separates and meters oil, gas and water from a well





DETAIL – SEPARATOR AND VALVES

OVERVIEW

The Tech Inc. Test Separator Package is a skid-mounted separator that splits a well stream into oil, gas and water and measures each phase. It is designed to ASME VIII and API 12J or client specification. Operators and well-test contractors use it for well testing, production allocation and early production.

MODELS AND CONFIGURATIONS

- **Two-phase separator** – separates gas from the total liquid, with gas and liquid metered separately.
- **Three-phase separator** – separate oil, gas and water outlets, each with its own meter.
- **Horizontal vessel** – for three-phase service and higher liquid volumes.
- **Vertical vessel** – for gas-dominant streams and limited plot space.
- **Permanent skid** – fixed installation at a wellsite, gathering station or production facility.

TYPICAL DESIGN DATA

Pressure rating	Up to Class 600, or to client specification
Design code	Designed to ASME VIII and API 12J or client specification
Vessel size and orientation	Sized from the well flow rates and fluid properties, or to client specification
Gas metering	Orifice or ultrasonic meter, or to client specification
Liquid metering	Coriolis or turbine meters for oil and water, or to client specification
Control	Local control panel, with PLC or SCADA connection to client specification

APPLICATIONS

Well testing, production allocation, early production and well clean-up.

KEY ADVANTAGES

- **Three-phase measurement** – oil, gas and water metered separately on one skid
- **Choice of meters** – orifice or ultrasonic gas meters, Coriolis or turbine liquid meters
- **Mobile or permanent** – a trailer-mounted unit moves between wells
- **Representative samples** – sampling points on the separated phases for laboratory analysis
- **Vessel and skid from one shop** – pressure vessel, piping and control panel fabricated and tested in-house

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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