PRODUCT DATASHEET

Two- and Three-Phase Production Separator

Horizontal and vertical separators for wellsite and plant production

Product page





Close-up: separator level controls and valves

OVERVIEW

The Tech Inc. Two- and Three-Phase Production Separator separates a well or process stream into gas and liquid, or into gas, oil and water, at the wellsite or in a plant. Inlet devices break the flow, gravity and residence time separate the phases, a mist extractor cleans the gas, and level and pressure controls send each phase on its way.

TYPICAL DESIGN DATA

Design pressure	About 10 to 100 barg, by service
Design code	ASME VIII Div. 1, sizing to API 12J
Sour service	Materials to NACE MR0175 / ISO 15156 where required
Materials	Carbon steel; duplex or clad for corrosive service
Control	Level and pressure control, local panel or remote
Hazardous area	Components for the zone classification

MODELS AND CAPACITIES

- **TI-PSP-24** – about 24 inch diameter
- **TI-PSP-36** – about 36 inch
- **TI-PSP-48** – about 48 inch
- **TI-PSP-60** – about 60 inch
- **TI-PSP-72** – about 72 inch

Indicative vessel sizes; each separator is sized to the flow and the fluids.

ORDERING CODE

Example **TI-PSP-48-3-H-N**: **48** vessel diameter, inch; **3** phases: 2 or 3; **H** orientation: H horizontal, V vertical; **N** service: N sour to NACE, S sweet.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** sand jetting and drains; metering on each outlet; heater upstream for heavy oil; access platform and ladder; third-party inspection.

KEY ADVANTAGES

- **Sized to the field** – from your flow and fluid data
- **Complete** – valves, instruments and panel on one skid
- **Sour-ready** – materials to NACE MR0175
- **Code-built** – ASME VIII with full documentation

How to cite: Two- and Three-Phase Production Separator (model TI-PSP; Tech Inc., Vaughan, Ontario, Canada). www.techincresearch.com/product-page/production-separator

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

Offices: Chennai · Toronto · Tallinn · Al Khobar

mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com

Disclaimer: All products, designs and content are the property of Tech Inc. Tech Inc. reserves the right to change specifications and details without notice. Images are for representation only; the supplied equipment may differ in appearance. Data are typical; final design to client specification.