PRODUCT DATASHEET

Wellhead Desander Skid

10,000 psi cyclone desander for wellheads





DETAIL – VESSELS

OVERVIEW

The Tech Inc. Wellhead Desander Skid removes sand from the well flow at the wellhead, before it can erode chokes, pipework and separators. The well stream enters a high-pressure cyclone tangentially, sand is thrown to the wall and collects in an accumulator below, and the cleaned flow continues to the production line. A hard tungsten-carbide or ceramic liner takes the wear and is replaced as a consumable.

MODELS AND CONFIGURATIONS

- **10,000 psi wellhead desander skid** – cyclone desander for high-pressure wellhead duty.
- **Tungsten-carbide cyclone liners** – for highly abrasive sand and high flow velocities.
- **Ceramic cyclone liners** – a wear-resistant alternative where the duty allows.
- **Sand collection and handling skid** – an add-on unit that receives, holds and handles dumped sand.

TYPICAL DESIGN DATA

Design pressure	Up to 10,000 psi, or to client specification
Flow and sand load	Sized to the well, or to client specification
Cyclone liner	Tungsten carbide or ceramic
Liner life	Typically 6–24 months, depending on sand load and flow
Pressure parts	Designed to ASME VIII / API 6A or client specification
Sour service	Materials designed to NACE MR0175 / ISO 15156 or client specification
Sand dump	Manual or automatic, to client specification

APPLICATIONS

Well clean-up and flowback after drilling or stimulation, unconventional gas wells with flowback sand, sand-producing oil wells including heavy oil, and protection of chokes, flowlines and separators.

KEY ADVANTAGES

- **Protects surface equipment** – sand is removed before it reaches chokes, pipework and separators
- **Hard wear liners** – tungsten-carbide or ceramic liners take the erosion instead of the pressure body
- **Scheduled maintenance** – liners are changed as consumables at a predictable interval
- **Service bypass** – the manifold keeps the well flowing during a liner change or sand dump
- **Complete sand handling** – the optional collection skid manages dumped sand at the wellsite

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.