

HYDROCYCLONE DESANDER

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About **Our Tools**

About Products

PT Globalindo Buana Hydrocyclone Desander is designed to eliminates sand and other solid particles from incoming high pressure well stream comprises a mixture of liquid and gas fluids.

The Hydrocyclone Desander package system is designed with optimize design for high performance, high efficiency, easy to operate withhighly standard of safety compromise to minimum maintenance,small footprint and easy to mobilize.

The package skid consists of Hydrocyclone Vessel and Accumulator Vessel. The Hydrocyclone Vessel at top section is a centrifugal enhanced gravity separation vessel, with designed with multi compartment and multi liner systemwhich provide wide range capacity of operation.

The bottom section of skid an Accumulator Vessel installed to collect sand and solid particles equipped with double isolation valve to provide safety operation.

All pressure vessel is an ASME VII design rated unit. The package is constructed in a single structural skid mounted for easier construction and mobilizations in safe condition. Applicable for onshore and offshore application.

All equipment, structural and accessories embedded are valid certified as per Indonesian regulation.

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Detail **Information**

Here are the product details for the Cyclonic Wellhead Desander.

Specifications:

- **Hydrocyclone Type:**
  - Multi Compartments
  - Multi Liners

Design:

- **Gas:** 20 MMSCFD
- **Liquid Flowrate:** 5000 BPD
- **Working Pressure:** 2000 psig
- **Working Temparature:** 250°F
- **Design Press/Temp:** 2100 psig @ 300 °F
- **Liquid Specific Gravity:** 0.85
- **Particle Size Removed:**
  - 10 Microns (8.63%)
  - 20 Microns (31.6%)
  - 30 Microns (69.95%)
  - 40 Microns (99.9%)

Main Functions of Each Cyclonic Wellhead Desander Component:

- **Inlet Chamber**
  Distributes fluid efficiently into the system.
- **Hydrocyclone (Cyclonic Separator/Main Separation Unit)**
  Separates sand and solid particles from the production fluid.
- **Outlet Chamber (Clean Fluid Discharge Section)**
  Directs the cleaned fluid for further processing.
- **Sand Accumulator (Sand Collection Tank)**
  Collects separated sand for safe disposal.
- **Blowdown Valve (Drain Valve)**
  Controls the sand discharge process without disrupting operations.
- **Pressure & Flow Monitoring System (Pressure & Flow Monitoring System)**
  Ensures optimal desander performance by monitoring pressure and flow.
- **Structural Frame (Frame & Support Base)**
  Provides stability and protection for the desander system.

Our **Client**

PETRONAS | HALLIBURTON | MEDCOENERGI

Overall Skid Package:

- **Skid Package Qty:** 1- unit skid
- **Empty Weight:** 12450 kg
- **Inlet/Outlet Connection:** 3" -900 #/RTJ*
- **Overall Dimension:** 2.2 m [L] x 2.2 m [W] x 4.7 m [H]

Project **Experience**



Petronas | Desander Service
Provision of Cyclone Solid Removal Equipment Rental and Support Services.



Halliburton | Desander Service
Desander Rental for Sand Management Campaign Client.



Medco E&P Tarakan | Desander Service
Desander Operation at Tarakan Project.



Medco E&P Natuna | Desander Service
Desander Operation at Block B Wells