

Sand Jet

Product Coding
P2401XXXXX

Introduction

Sand jet is a specialized internal system typically installed at the bottom section of horizontal drum separators to continuously or intermittently remove sand, scale, and settled solids from the vessel.

During operation, heavy particles accumulate at the separator bottom and can reduce liquid capacity, increase erosion, and compromise separation performance. The sand jet system uses high velocity wash fluid nozzles to mobilize these solids and direct them toward a dedicated drain or slurry outlet, ensuring reliable solids management without shutting down the vessel.

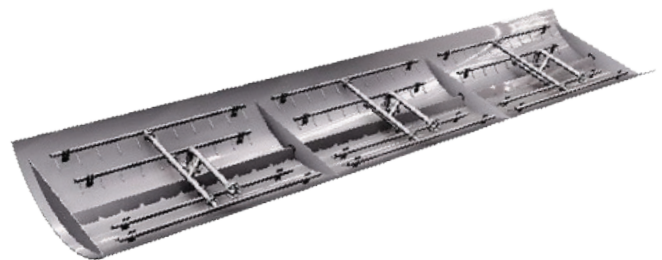
Features

- **Custom engineering:** Jet headers, wash lines, and nozzle configurations are tailored to vessel size, internal arrangements, and operating pressure to secure full coverage flushing.
- **High efficiency jet nozzles:** Specially designed nozzles provide optimal jet patterns to loosen compacted solids and sweep them toward the collection path.
- **Sectionalized design:** Systems can be divided into independently operated zones when water supply is limited or when targeted cleaning is required.
- **Continuous online operation:** Cleaning can be performed without depressurizing the separator or halting production.
- **Integrated sand collection pan:** A robust pan with engineered openings prevents clogging and ensures smooth transfer of the fluidized solids to the drain outlet.
- **Durable construction:** Components are manufactured from corrosion resistant materials suitable for oil, gas, and produced water environments.

- **Improved separator performance:** Regular sand removal helps maintain vessel capacity, prevents erosion, and supports consistent separation efficiency.
- **Flexible installation:** Suitable for both new separators and retrofit projects; custom support systems can be provided for vessels with limited welding options.

Applications

- Production separators
- Test separators
- Water knockout vessels
- Produced water treatment units
- Inlet separators
- Liquid/liquid separation vessels where sediment accumulation is problematic



Tel.: +98 21 88686942-3
Fax: +98 21 88686168
Marketing@euroslotpars.com



www.euroslotpars.com
Linkedin.com/company/euroslotpars
Youtube.com/@euroslotpars2863



Office: No. 2, Unit 2, East 32nd
(East Qeysari) St., South Allameh Ave.,
Sa'adat Abad Area, Tehran, Iran