

Coalescer-Cartridge**Product Coding**
P210XXXXXX**Introduction**

Cartridge coalescer is a highly efficient separation internal specifically used in oil and gas processing equipment such as vessels, towers, and drums. It functions to coalesce fine liquid droplets dispersed in gas streams or separate immiscible liquid phases, enhancing downstream equipment protection and refining process reliability.

Features

- High efficiency coalescing media capable of capturing and enlarging sub-micron droplets
- High gas throughput capacity
- Effective for both gas/liquid and liquid/liquid applications
- Low operational pressure drop
- Wide range of construction materials, including fiberglass, polyester, and PTFE
- Modular and replaceable cartridge design
- High mechanical strength and corrosion resistant structure
- Low maintenance requirements due to modular design
- Improved equipment protection and product quality
- Small footprint compared to other internals like mesh pads or vane packs

Applications

- Natural gas processing to remove entrained liquid hydrocarbons and water
- Compressor protection by preventing liquid carry-over
- Crude oil dehydration and desalting
- Fuel purification for aviation fuel, diesel, and jet fuel
- Water condensate separation in upstream facilities
- Amine, glycol, and solvent recovery systems

**Types of Cartridge Coalescers**

- **Gas/liquid coalescers:** Remove fine mist or liquid droplets from gas streams.
- **Liquid/liquid coalescers:** Separate immiscible liquid phases such as water from hydrocarbons.



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