

TWIST-LOK™ Series

Versatile separation system offering superior contaminant removal & coalescing efficiencies in a wide range of natural & gas and refining applications.


Jonell Systems innovative new design optimizes performance and reliability while processing high liquid loads with exceptional solid particulate handling. Designed to remove liquid and solid contaminants from natural and process gas, the assembled Twist-LOK™ cartridge provides both a first stage “outside to inside” flow direction filter coalescing element and a second stage “inside to outside” flow coalescing element. With traditional filtration/coalescing elements, both stages have to be replaced; often disposing of a still viable second stage element. The Twist-LOK™ Series allows the option to replace and optimize the first stage without having to replace the second stage.

Features and benefits

- Specifically designed for the Jonell Systems Sentinel TL™ horizontal coalescer
- Twist-LOK™ Series integrated solids shield helps prevent solids build up behind the gasket allowing for easier removal of elements
- Efficient removal of liquid aerosols and solid particulates to protect downstream equipment
- Permits replacement of first stage filter elements while the second stage coalescing elements remains in the vessel
- Twist-LOK™ Series uses the patent pending gradient fit sealing system resulting in multiple sealing points that have proven critical in the field in successfully reaching recommended change out differential pressure. The result is a much greater ability to seal and reach terminal pressure even in cases where risers are out of round or bent
- Twist-LOK™ Series locking mechanism provides structural re-enforcement and shielding of riser gasket from incoming solids
- Specially designed dust guard strengthens and helps prevent element collapse and gasket sealing failure
- Synthetic materials thermally bonded to resist erosion at high velocities



Specifications

Products	Criteria	Detail
	Dimensions	Nominal OD: 4.5" Nominal length: Standard lengths in 73", 82", 94" (other lengths available)
	Construction Materials ***all media packs will have epoxy coated screen on both sides for additional/robust support***	End caps: Nylon Orings: Viton (standard), buna and EPDM also available Media: Cellulose, Polypro, Fiberglass, Nylon, K media, cotton, polyester Standard gasket materials are offered (Buna, Viton, EPDM and HNBR)
	Core	Tin-plated or Stainless options available
	Flow Direction	First Stage: Outside to In flow Second Stage: Inside to Out flow
	Operating Temperature	Polypropylene with polypro support: 180 deg F Fiberglass with polyester support: 240 deg F Fiberglass with nylon support: 300 deg F Cellulose: 275 deg F Cotton: 275 deg F K media: 240 deg F Nylon media: 300 deg F Polyester media: 240 deg F
	Recommended change out PSID	15 psid (based on process)
	Micron ratings	Standard efficiency is 0.3 micron (other efficiencies available)

About us

Process Technologies is a part of Filtration Group, the fastest growing filtration solutions company in the world with a mission to make our world safer, healthier and more productive. We work with upstream, midstream and downstream oil & gas companies to provide total filtration solutions from Jonell Systems and Facet. Our solutions improve safety, reliability, productivity and ultimately profitability. With a wide range of vessels and innovative elements with multiple media options, talk to us to get best fit solutions to address any filtration challenge.

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