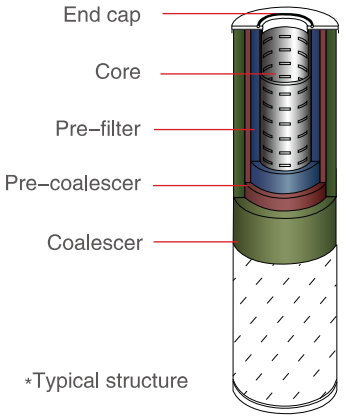
FEATURE®

LT Coalescer Cartridges

LT coalescers are used in a wide range of liquid/liquid separations in the chemical, flavour & fragrance and biotechnology industries.

LT coalescer media contains a tapered layer pore construction structure. The emulsion first enters at the inside the cartridge and passes through a pre–filter to remove coarse particles, extending its service lifespan. The fluid then encounters a fine media layer that initiates the coalescing process to form larger droplets. The coalescing process will be completed by a coarse media layer that maximizes the coalesced droplet size before the fluid exits the outer layer of the cartridge.

The presence of difficult to separate emulsions can be a costly problem in the chemical, flavour & fragrance and biotechnology industries. Liquid contaminants can cause final products to be off–specification, deactivate expensive catalysts, foul contactor and stripping trays lead to corrosion and delays in downstream storage tanks, and increase the costs for wastewater treatment.



*Typical structure

Applications

- Separation of oil from ammonia
- Separation of oil from urea
- Separation of oil from acid streams
- Separation of oil from caustic streams
- Separation of citric oil from alcohol–water
- Separation of organics from acid/caustic pharmaceutical extractants

Specifications

Initial △P	2 psid
Change–out △P	8 psid
Max. Operating Temp	300°F / 149°C
Removal Efficiency	98%
PH	5–9

Code

Liquid/liquid cartridge	Media	Outer Diameter	Length	End Cap	Core	Seal
LT	SS–SS316L Stack FS–Fiberglass Stack FC–Fiberglass+Cotton cover PF–Synthetic Hydrophobic layer +PTFE Hydrophobic layer	A=2–3/4" B=3–3/4" C=4–1/2"	11=11–1/4" 14=14–1/2" 20=20" 22=22–1/4" 29=28–3/4" 33=33–1/4" 36=36" 40=40" 44=44" 48=48" 56=56"	2–226/flat end cap 3–222/flat end cap 7–double open end 8–flat gasket 0200	T–Tinplate C–Carbon, coated E–SS304 S–SS316L P–PP N–Nylon	B–Buna N V–Viton N–Neoprene

e.g. LTSMA407EB

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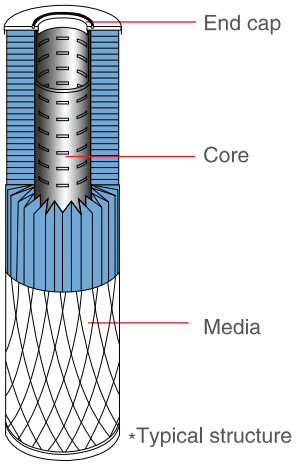
ST Separator Cartridges

ST separator cartridges provide efficient separation of water in a wide range of fluid process streams. These high performance liquid/liquid separators are used in applications where API certification is not required. ST separator cartridges can help to reduce operating costs and improve product quality.

Features

- High performance proprietary filter media for a wide range of applications.
- Continuous lengths minimize process downtime, reduce cartridge change–out costs and eliminate filter bypass concerns.
- Designed for balanced flow through cartridge.



*Typical structure

Micron Rating	5 μm	25 μm	50 μm	75 μm
Pleated Paper (S)	●	●		
Synthetic Hydrophobic Mesh(M)			●	
Teflon® Coated Screen (T)				●

Specifications

Initial △P	1 psid
Change–out △P	8 psid
Max. Operating Temp	240°F / 115°C
Removal Efficiency	98%
PH	5–9

Applications

- Chemicals, Resins, and solvents
- Hydraulic Oils
- Hydrocarbons
- Petroleum Refining
- Pipelines and Petroleum Terminals
- Power Generation
- Pulp and Paper Industry
- Transformer Oils
- Turbine Oils

Code

Liquid/liquid cartridge	Media	Micron	Inner Diameter	Length	End Cap	Core	Seal
ST OD=6"	S – Pleated Paper M – Synthetic Hydrophobic Mesh T – Teflon® Coated Screen	5 – 5 μm 25 – 25 μm 50 – 50 μm 75 – 75 μm	A=1–7/8" B=2" C=3–1/2" D=4–1/8" E=4–1/2" F=5–1/2"	11=11–1/4" 14=14–1/2" 16=16–1/4" 22=22–1/4" 29=28–3/4" 33=33–1/4" 36=36" 40=40" 44=44" 48=48" 56=56"	2–226/flat end cap 3–222/flat end cap 7–double open end 8–flat gasket 0200	T–Tinplate C–Carbon, coated E–SS304 S–SS316L P–PP N–Nylon	B–Buna N V–Viton N–Neoprene

e.g. STS5A112TB