# 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.

End cap
Core
Pre–filter
Pre–coalescer
Coalescer

*Typical structure
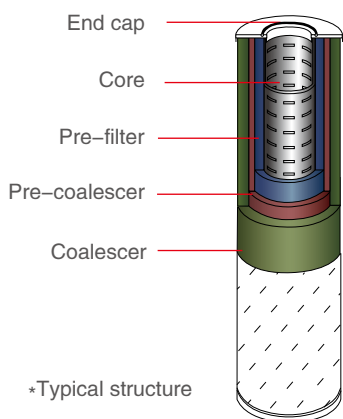
Applications

• 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 Coalescer Cartridge	Material	Outer Diameter	Length	Connection Type	Core	Seal Material
LT	SS–S31603 (SS316L) FS–Glassfiber Mesh Module PF–Fluorocarbon Polymer Media PE–Polyester	A=2–3/4" B=3–3/4" C=4–1/4" D=6"	11=11 1/4" 14=14 1/2" 16=16 1/4" 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–SOE/Flat/226 3–SOE/Flat/222 7–DOE 8–SOE/Flat/200	N–Tin Plate C–Carbon Steel E–S30408 (SS304) S–S31603 (SS316L) P–Polypropylene N–Nylon D–Duplex Stainless Steel	B–Buna N Rubber V–Viton Rubber N–Neoprene Rubber T–Teflon

e.g. LTFSA117EB