

Medallion™ Series Liquid/Liquid Coalescers

Description

Pall's Medallion™ line of liquid/liquid coalescers is designed to meet the needs of the process industry, offering optimized performance and reduced operation and maintenance costs. Medallion liquid/liquid coalescers can be used for many applications to enhance process performance including applications with liquid loading up to 20% volume.

Pall offers a full range of product options designed to meet all performance needs.

Materials of construction

- Polymeric melt-blown depth media - nylon or polyphenylene sulfide (PPS)
- Adapter cage – available in 304 or 316L stainless steel (part number ADLLHT2)

Applications

- Final product dehazing
- Caustic treater feed coalescer
- Hydrotreater feed coalescer
- Slops reprocessing
- Salt drier protection
- Sour water stripper (SWS) protection
- Post water wash drum
- Hydrocarbon removal from amine
- Alkylation unit feed and recycle i-C4



Medallion liquid/liquid coalescer

Performance data

Liquids: Up to 90% dispersed phase removal¹

Inlet loading as high as 15-20% volume can be tolerated

Max. operating temperature in compatible aqueous and hydrocarbon fluids: Nylon: 60°C (140°F)
PPS: 93.3°C (200°F)

Recommended change-out differential pressure:
1.03 bard (15 psid)

Max. operating differential pressure: 2.06 bard (30 psid)

¹ Based on tests run with the LCS604NC coalescer.

Features, Advantages and Benefits of the Pall Medallion Liquid/Liquid Coalescers

Features	Advantages	Benefits
Media pack	<ul style="list-style-type: none"> • High liquid removal per unit area • Fewer elements needed • Minimized vessel diameter • High liquid loading capability up to 20% volume 	<ul style="list-style-type: none"> • Smaller footprint than bulk removal • Reduced capital and installation costs • Improved water removal over other bulk separation technologies
High-capacity large diameter element	<ul style="list-style-type: none"> • Fewer elements needed for a given flow rate • Minimized vessel diameter compared to bulk removal technologies 	<ul style="list-style-type: none"> • Reduced capital and installation costs • Smaller space required for installation
Optimized polymeric depth media	<ul style="list-style-type: none"> • Fewer element change-outs needed • High solids removal capacity 	<ul style="list-style-type: none"> • Coarser pre-filter may be utilized • Lower operating and maintenance costs • Extended service life
Coreless design	<ul style="list-style-type: none"> • Reusable hardware 	<ul style="list-style-type: none"> • Reduced cost of used element disposal – may be incinerated or crushed for landfill disposal

Ordering Information

Pall Part Number = LCS 1 2 3 4

Table 1

Code	Cartridge diameter (cm / in)
6	15.2 / 6

Table 2

Code	Cartridge length (cm / in)
04	101.6 / 40

Table 3

Code	Media material
N	Nylon
FPS	PPS

Table 4

Code	Media grade
B	Fine (nylon and PPS)
C	Medium (nylon)
D	Coarse (PPS)

Adapter cage – available in 304 or 316L stainless steel
(part number ADLLHT2)



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