

## 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 removal<sup>1</sup>

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)

<sup>1</sup> 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"> <li>• High liquid removal per unit area</li> <li>• Fewer elements needed</li> <li>• Minimized vessel diameter</li> <li>• High liquid loading capability up to 20% volume</li> </ul>	<ul style="list-style-type: none"> <li>• Smaller footprint than bulk removal</li> <li>• Reduced capital and installation costs</li> <li>• Improved water removal over other bulk separation technologies</li> </ul>
High-capacity large diameter element	<ul style="list-style-type: none"> <li>• Fewer elements needed for a given flow rate</li> <li>• Minimized vessel diameter compared to bulk removal technologies</li> </ul>	<ul style="list-style-type: none"> <li>• Reduced capital and installation costs</li> <li>• Smaller space required for installation</li> </ul>
Optimized polymeric depth media	<ul style="list-style-type: none"> <li>• Fewer element change-outs needed</li> <li>• High solids removal capacity</li> </ul>	<ul style="list-style-type: none"> <li>• Coarser pre-filter may be utilized</li> <li>• Lower operating and maintenance costs</li> <li>• Extended service life</li> </ul>
Coreless design	<ul style="list-style-type: none"> <li>• Reusable hardware</li> </ul>	<ul style="list-style-type: none"> <li>• Reduced cost of used element disposal – may be incinerated or crushed for landfill disposal</li> </ul>

## 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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