

Your Source for High Capacity Filters and High Pressure Filter Vessels.

CPI "LL" series cartridges are designed to coalesce immiscible non-continuous phase liquids from continuous phase liquids. As fluid passes across the media the tiny suspended droplets of the non-continuous phase are brought together into larger droplets. These larger droplets respond faster to gravity and the two phases separate.

Media choices include glass fiber, polyester, and nylon 66. Micron ratings are available from 0.5 µm to 70 µm.

### Typical Applications

- Removal of Water from Hydrocarbons (Glass or Nylon)
- Removal of Amine from Hydrocarbons (Nylon)
- Removal of Caustic from Hydrocarbons (Nylon)
- Removal of Oil from Water Phase (Depth Polyester)
- Removal of Water from Strong Solvents (Nylon)
- Elevated Temperature Applications (Nylon)
- Longer Service Life Requirements (Pleated)



Threaded Base Option

### Performance

Absolute Micron Rating: 0.5, 1, 5, 25, 40, 70  
 Droplet Removal Efficiency: Up to 99.99%  
 Will coalesce droplets as small as 0.3µm  
 Interfacial Tension (IFT) as low as 10 dyne/cm

### Specifications:

Maximum Temperature:  
 220°F, 300°F (Nylon)

Initial Pressure Drop:  
 1 - 2 psid

Recommended Changeout:  
 15 psid

Inlet water concentration:  
 up to 3% water (30,000 ppm)

Lengths Available:  
 14.5" to 60"

Outside diameters:  
 3.75", 4.5", 6"

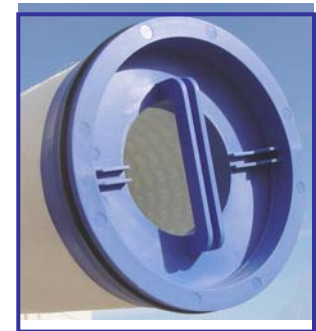
Core:  
 Steel, Stainless, or Polymeric

End caps:  
 Threaded, O-ring, or DOE

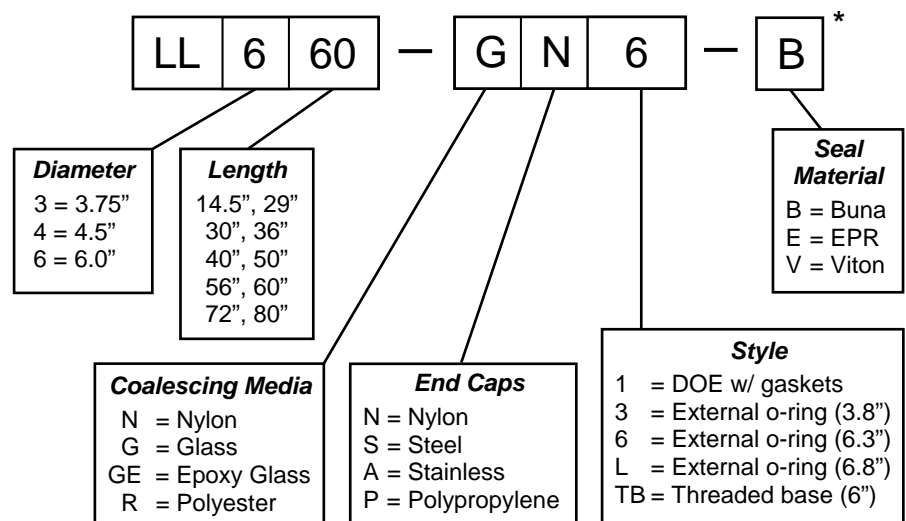
Media:  
 Nylon 66, Glass Fiber,  
 Depth Polyester



Code 3 O-ring Seal



Code 6 O-ring Seal



\* Standard coalescer is 5 micron. For other rating add micron number at end of part number.