

Niagara Coalescer Element

Clark Reliance liquid/gas coalescers are used to remove liquid and solids from a wide range of gas streams found in process industries including refinery, natural gas conditioning, chemical production, and power generation. The removal of entrained oil, water or oil mist, and other liquid and solid contaminants from natural gas streams is necessary for the protection of downstream process equipment. The Clark Reliance offering consists of various models of coalescers to remove aerosol mists from natural gas and/or air streams. Removing liquids such as lubricating oil, process liquids and other fluids with low interfacial surface tension.

Clark Reliance Coalescer Elements are highly efficient elements for high coalescing efficiency and high dirt holding capacity while maintaining a low pressure drop, which results in an extended service life versus conventional coalescing filters.

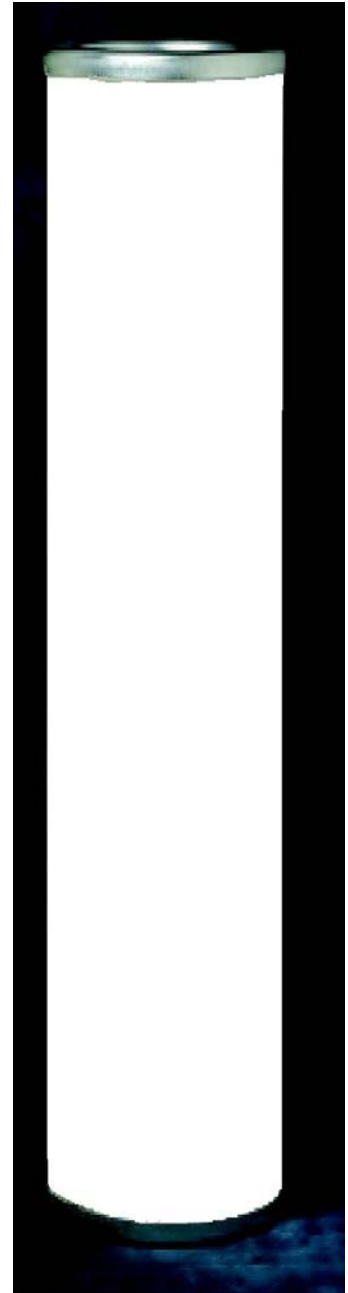
Clark Reliance Niagara Coalescer Element is a high quality borosilicate glass microfiber that is highly porous, with 90-95% of its volume being void, or open, and available to hold contaminants. Niagara Elements will effectively remove mist, aerosols and particulates down to 0.3 μ at 99.8%.

Construction

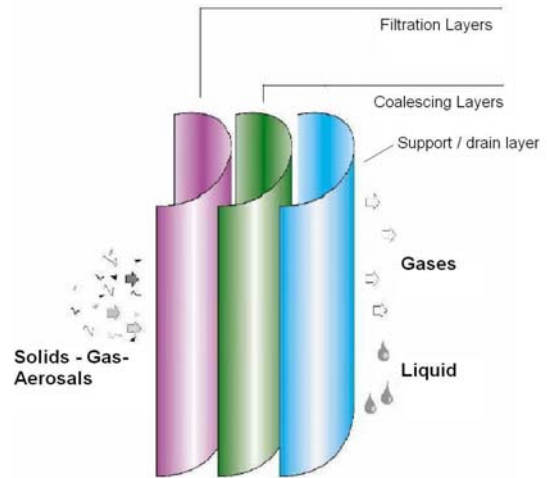
- Media: Pleated Micro-glass
- Outer Core: Sintered Polypropylene
- Inner Core: Expanded Carbon Steel
- End Caps: Carbon Steel
- Gaskets: Buna-n, or Viton

Operational Data

Recommended Initial Differential Pressure:	<2 psid
Maximum Recommended Element Δ P:	15 psid
Maximum Core Differential Pressure:	50 psid
Maximum Operating Temperature:	187° F
Efficiency	0.3 μ



The Niagara Coalescer Elements are constructed of multiple layers of filtration and coalescing media. The outer core is constructed on sintered polypropylene providing unmatched flow when saturated. The result is a long lasting low differential coalescing element.



Nomenclature

CRC - 436 - 003 - VCP

<u>Dimensions</u>	
436	4.5" x 36"
536	5.5" x 36"

<u>Micron</u>	
003	0.3μ

<u>End Configurations</u>	
V	Standard Viton
<u>Extended Part #</u>	
CE	Closed end with Bolt Hole
CP	Closed end with Post
IR	Internal O-Ring
ER	External O-Ring