

## GAS COALESCER W/ MULTICYCLONE

The gas coalescer is the most efficient filtering device for natural gas. Also known as a reverse gas coalescer due to the flow path of gas through the elements, these vessels are designed to remove solid and liquid particles with sub-micron distributions. Extremely high efficiency separation is achieved due to careful vessel layout and filter media selection, resulting in high separation efficiency of 0.3 micron liquid and solids.

In services or applications with extreme solid or heavy liquid contamination, multicyclone elements are utilized to perform bulk separation upstream of the filter elements to protect the filters from premature plugging and excessive filter changeouts. The multicyclone elements have a high separation efficiency to ensure that minimal contamination reaches the filters, maximizing the operating life of the filter elements, minimizing maintenance, and significantly reducing the cost to operations.

Combining the multicyclone and coalescing filters into a single vessel results in an extremely compact vessel, saving valuable space in a facility. A single vessel also results in less piping, instrumentation, and valves when compared to two separate vessels, thus reducing capital equipment and installation costs.



### APPLICATIONS:

- Fuel Gas filtering with excessive or unknown contamination
- Lube oil removal
- Gas filtering upstream of amine or glycol systems

### ADVANTAGES:

- Extremely high efficiency separation of 0.3 micron liquid and solids
- Extended life of filter cartridges
- Resistant to fouling, ideal for dirty, high contaminant service
- Combination of separation and filter technologies result in compact design and small footprint

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