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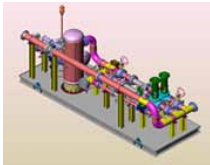
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DECEMBER 2009

Clark-Reliance Elements Outperform Conventional Gas Conditioning Media



By incorporating a precision polymer drain layer and proprietary multi-layered media, Clark-Reliance has developed a series of coalescer elements for natural gas conditioning. "Niagara Coalescer Elements" provide high performance with effective removal of particulate and aerosol mist when compared to conventional polyester and molded fiberglass

media elements at greater than 0.3 micron. The elements' unique sintered polymer -drain layer features *precision pore openings* to enhance liquid capture. A proprietary multi-layered filtration/coalescing pleat pack also extends element life and increases removal performance of aerosol mists.

The new coalescer elements replace conventional polyester and fiberglass media to condition natural gas as it travels via pipeline. In addition to guaranteed efficiencies, they can provide extended service life and low pressure drop.

Customers everywhere are finding success with state-of-the-art elements from Clark-Reliance:

CNX Gas in Pounding Mill, Virginia operates over 193 compressors. They had been using conventional graded density elements in their filter/separator units. These depth filters were binding off on the surface due to the large volume of solids. The elements were caked with salts and solids. When the elements were cut open, the element cores were clean and the centers were white.

Jeff Boyd, Maintenance Supervisor of CNX, contacted Clark-Reliance to explore ways to reduce filter use, protect the compressors and improve the quality of the gas entering the pipeline. After analysis of the particle size and distribution, Clark-Reliance evaluated the elements the customer was using. The graded density elements were supplied by another company, and it was estimated that <23% of the elements dirt-holding capacity was used due to the particle distribution.

Based on the application requirements, Clark-Reliance provided Gas Sentinel elements. The Gas Sentinel elements are designed to maximize available surface area and increase overall solids holding. The Gas Sentinel also provides low differential pressure.

After installing the Clark-Reliance Gas Sentinel elements, the customer has experienced an increased service life. The Gas Sentinel element life is four to seven times the service life of conventional depth elements. Solids carryover has been virtually eliminated. The removal of troublesome solids from the natural gas has improved overall gas quality, reduced fouling of process equipment and improved lubrication oil quality. **"Clark-Reliance makes the best gas filters I have used." - Jeff Boyd, Maintenance Supervisor, CNX.**

Complete filter element and coalescing element cross reference and ordering information can be found at Clark Reliance's new aftermarket filtration element Web site, www.ourelementskickgas.com. The Web site allows search by both specification and part number, making it easy to find replacement elements.

Clark-Reliance Employees Have Spirit!

More than 150 Clark-Reliance employees participated in our annual Halloween Costume Day.



Happy Anniversary!

Anna Durjak recently celebrated her 50th anniversary with Clark-Reliance. Congratulations, Anna!



The Latest from Clark-Reliance

- [Clark-Reliance Offers MAHLE Industrial Filtration Elements](#)
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