

Tire Rendering Plant Filtration System

Market Application Publication
for **CLEANDiesel**® Filtration Solutions



Customer Info:

CH2E

Hudson, CO
info@ch2e.com
(303) 536-4136

Customer Value Position:

CH2E Broke ground in 2013 with a goal to transform carbon to a form of energy. The results would be transformative impact on local economies, power generation and, most importantly, the environment. Utilizing new carbon capture technology, CH2E is able to transform carbon-based waste, such as rubber and plastics, into diesel fuel and activated carbon.

In order for the diesel fuel to be marketed at a cleanliness level that will meet regulatory requirement, filtration is essential. CH2E approached Parker Velcon in hopes of finding a solution that would allow them to not only meet their require cleanliness level but



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Product Features:

- Maximum filtration surface area
- High flow rate
- Low initial pressure drop
- Eight 44" in length FO series particulate filter cartridges that provides maximum dirt holding capacity
- Small installation footprint

Applications:

- Filtration of bulk diesel fuel from carbon processing



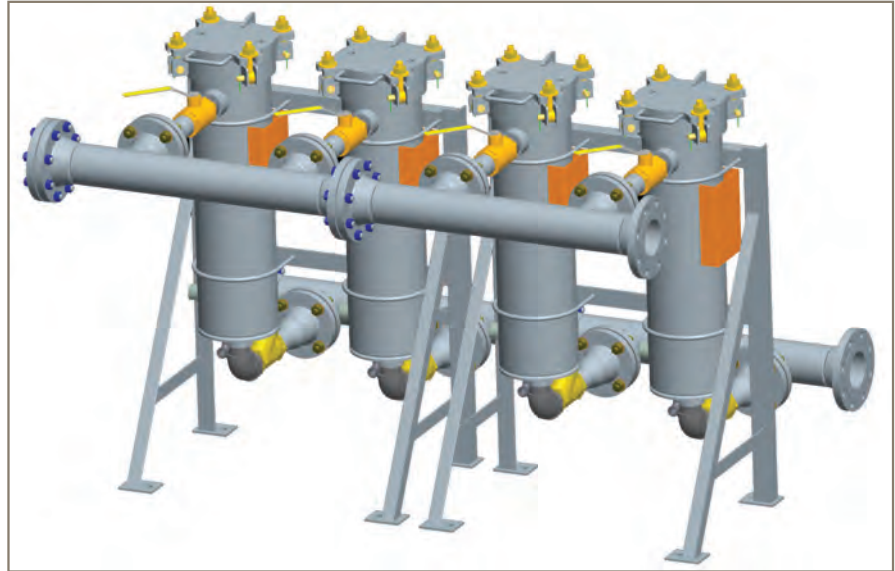
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Customer Value Proposition (cont'd)

also at a flow rate that would allow their business to be profitable.

CH2E decided to go with Parker Velcon because of our years of proven experience with bulk fuel filtration and condition monitoring solutions.

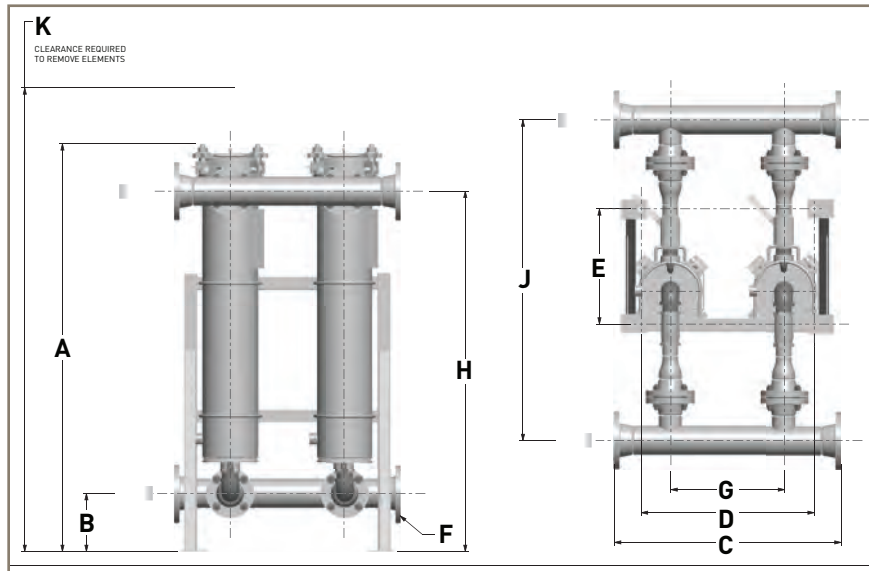
As a solutions provider, Parker Velcon examined and tested the types of contaminants present in the fuel and also comprehended the business goals and objectives of CH2E. The result was a optimized filtration solutions that will not only allow the fuel to reach desired high cleanliness level, but also enable CH2E to minimize their operating costs while allow their business model to maintain profitability.



Parker Velcon Vel-Max housings in duplex configuration

Results:

- Customer achieve required diesel fuel cleanliness levels
- Parker Velcon Vel-Max housings with FO Series micronic filters allow for low initial differential pressure, high contaminant holding capacity while able to achieve required flow rate
- Customer is able to maintain profitability and minimize operating cost



Model	A		B		C		D		E		F		G		H		J		K	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
VX-1 DPL	45 5/8	1235	9 1/16	230	35 3/8	898	27	685	19	482	4	101	17 3/4	450	41 1/4	1047	50 1/16	1271	65	1651
VX-2 DPL	63 11/16	1617	9 1/16	230	11 5/8	295	125	57	18	457	4	101	17 3/4	450	56 1/4	1428	50 1/16	1271	93	2362
VX-3 DPL	78 11/16	1998	9 1/16	230	11 5/8	295	150	68	20	508	4	101	17 3/4	450	71 1/4	1809	50 1/16	1271	121	3073

Dimensions shown are for estimating purposes only. For exact dimensional detail, obtain certified copy of vessel drawing.

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