PVDF Bag Vessel with Custom Basin

The Challenge -

A customer in the Midwest needed a safe and easy to use method of filtering particulates from a proprietary, highly corrosive chemical in their application. Safety was key in making sure all operators could change out the filter consistently without cause of damage to the surrounding areas or themselves.

The Solution -

East Coast Filter's Industrial PVDF Filter Vessel was the perfect answer. This Vessel is designed specifically for applications that utilize highly corrosive materials that cannot use standard Stainless or Polypropylene Construction for continuous use. Although temperature is not a factor in this application, this Vessel can also withstand temperatures up to 300°F if necessary.

The Over-the-Top Swing Bolt Closure allows the Operator to simply loosen the Swing Bolts and rotate the Cover to remove the Bag; the Cover doesn't need to fully be removed off of the Vessel for changeout which prevents it from being dropped and cracking. Another major benefit of the Swing Bolt Closure is that it protects the Teflon Encapsulated Silicone O-Rings by compressing directly down on them, creating a positive and strong seal on the vessel.

The Vessel is constructed on a Solid Flat Base with no adjustable legs. At the Flat Base of the Filter Vessel, there are (4) Bolt Holes for easy mounting to the custom configured All Natural Polypropylene Basin East Coast Filter designed to collect any potential spills/drips that may occur when a changing out the Bag Filter. The customer wanted to ensure that not only the Operators, but also the work area would not be contaminated with the corrosive chemical. The Fork Lift Channels underneath the Basin also

chemical. The Fork Lift Channels underneath the Basin also allows the Operators to move the Vessel and Basin around the plant for ease of use at multiple locations without having to separate the two components each time.

The Result -

The customer was extremely happy with the custom configured PVDF Filter Vessel and Basin that we had designed for them as they were able to filter their corrosive chemicals in an easy and convenient way while keeping the operators and site protected.

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