



Frontier Plastic Fabricators, Inc.

FRP CORROSION RESISTANT BASKET Strainers

FOR LIQUID APPLICATIONS

DUPLEX ARRANGEMENT

Frontier Plastic Fabricators has the ability to provide the right strainer for the job. This duplex strainer was a retrofit into an existing installation in Puerto Rico. The customer required a clean-in-place solution without the downtime associated with traditional basket strainers, and the duplex arrangement fit the bill. The use of FRP butterfly valves allowed for a smaller installation footprint, as well as making all wetted surfaces equal or better than the material specified for the project.

This 6"Ø strainer is configured based on the simplex type with angled baskets, allowing for inlet and outlet elevations to remain the same. Each basket housing contains a strainer basket, in this case 316SS with 1/16"Ø perforations, and a seating adjustment bolt. Each housing has a quick-access clamp top with a sealing o-ring. Fittings, valves, drain taps, and support legs complete the package.

Standard simplex strainers are available in 2" thru 12" sizes, but larger sizes and configurations are available based on application.



Service parameters for this strainer were:

Temperature: 200° F

Pressure: 100 PSI

With Frontier's technical assistance, the customer specified epoxy and high-temperature vinyl ester construction combination based on liquid service stream contents.

The ability to divert the flow from one side to the other when basket cleaning is needed was critical to this customer's application.

All strainer housings are hydrostatically tested to 1.5 times design pressure to ensure long service life.