

Duplex Strainers

Cast Iron, Cast Steel and Cast 316SS, Cast Bronze
Flanged (F) • Sizes 5", 6", 8"

Type **DF125CI** Cast Iron; **DF150CS** Cast Steel; **DF150SS** Cast 316SS; **DF150BZ** Cast Bronze

The Sure Flow Duplex Strainer is a simple, economical, and trouble free design that has been time tested in applications around the world over many years. This type of strainer is actually a high quality, pressure rated plug valve with integral straining baskets.

Switching the flow from one basket to the other is accomplished by moving the operating handle through a 90 degree arc. The design is such that it is impossible for this operation to stop the flow because of the unique port design in the diverter plug. The entire switching operation takes less than 30 seconds. No tools are needed. The plug is automatically positioned each time in exactly the right spot by integral stops.



Before operating the handle a manual, integral lifting jack, built into the strainer is used to lift the diverter plug off of its seat. After the switching operation the lifting jack is used to reseat the plug. The lifting jack is specially designed to lift and seat the plug easily, even under high pressures. A built-in stop limits the distance the diverter plug can be raised. This minimizes the possibility of material bypassing the plug while it is rotated. It also prevents debris from building up under the plug and making it difficult to reseat.

Other important features of the Sure Flow Duplex Basket Strainers design include quick opening, swing away yoke design covers. No tools are required to remove the covers for quick and easy access to the strainer baskets, and they go back on just as fast as they came off.

Draining of the basket chambers is simplified with the standard NPT drain taps. All sizes are provided with mounting legs to bolt the strainer to the floor for a rock solid installation.

The Sure Flow Duplex Basket Strainer is your best choice for most applications. Its rugged design and ease of operation have made it the duplex strainer of choice around the world in hundreds of different industries.

Sure Flow Duplex Strainer Selection Table (Sizes 5", 6", 8")

Body Material	Connections	Sizes		Plug Material	Seals	Rating
		Inches	Prefix			
Iron (CI) Bronze (BZ)	Flanged CL.125	5, 6, 8	0500, 0600, 0800	Iron (CI) or Bronze (BZ)	Buna N	200 psig @ 100 °F 5" and 6" sizes
	Flanged CL.150	5, 6, 8	0500, 0600, 0800			
Carbon Steel (CS)	Flanged CL.150	6, 8	0600, 0800	Bronze (BZ) or Stainless Steel (SS)		150 psig @ 100 °F
Stainless Steel (SS)	Flanged CL.150	6, 8	0600, 0800	Stainless Steel (SS)	Viton®	8" size

Cv Factors*

Size	Value
5"	300
6"	420
8"	900

* For water with clean perforated basket.

• For Liquid Service •
5/32" SS perf basket
standard for all sizes.

Ordering Information

Example: Include full description

Size	Model	Screen
(Prefix)	Number	Opening
0600	DF125CI	156

Notes:

Manufacturer reserves the right to modify dimensions, materials, or design. Please contact Sure Flow Equipment Inc. for certifications.

6" Flanged Duplex Strainer, Cast Iron,
Class 125 ASME Flanges, 5/32" Perf Screen



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