

Models: 792FD, 794FD, 796FD

Ball-Plex™ Carbon Steel Flanged End Duplex Strainers Sizes: 1" – 1½" (25 – 40mm)

Pressure/Temperature - Non-Shock

Model	Material	Rating
792FD	Carbon Steel	285psi @ -20 to 100°F
		19.6 bar @ 38°C
		260psi @ 200°F 17.7 bar @ 100°C
794FD	Carbon Steel	740psi @ -20 to 100°F
		51.1 bar @ 38°F
		680psi @ 200°F 46.6 bar @ 100°C
796FD	Carbon Steel	740psi @ -20 to 100°F
		51.1 bar @ 38°F
		680psi @ 200°F 46.6 bar @ 100°C

Max. temp. can be limited by gasket and seat material. Consult factory.

792FD **Class 150**
794FD **Class 300**
***796FD** **Class 600**



792FD

***CAUTION:**

The 796FD is a Class 300 Strainer drilled for Class 600 Flanges.

Bolted Covers required above 150 psi or 200°F.

Strainers provide economical protection for costly pumps, meters, valves, and other similar mechanical equipment by straining foreign matter from the connected piping system. Installation of a strainer before mechanical equipment can ensure trouble free service and avoid costly shutdowns for repair or replacement of equipment damaged by foreign matter. The size of the perforation or mesh in the basket screen will determine the smallest particles captured. See Strainer Information section of the Mueller Steam Specialty Engineering binder for detailed information including sizes and materials available.

Typical Service

- Duplex Strainers are designed for use in fluid handling systems where the flow cannot be shut down for basket cleaning.
- Typical services include cooling water, compressors, condensers, fire lines, fuel lines, lubrication systems, salt and fresh water systems, chemical process systems, pump suction service, and more.
- Consider strainer body and screen material as well as gasket and seat materials for suitability for particular service.

Features

- Ball-Plex™ Duplex Strainers use 3-way balls as the diverter valves
- Balls are 316SS for corrosion resistance, strength, and resistance to build-up of solids on the balls' surfaces.
- PTFE seats provide bubble-tight sealing, superior to metal seats in other designs. This eliminates potentially dangerous leakage into the chamber being cleaned.
- Two part body casting allows true and easy in-line service
- After removal of the cover and basket, all working parts are easily accessible even with the unit in line.
- The handle covers the pressurized chamber. This prevents accidental opening of the pressurized chamber, and allows easy access to the chamber to be cleaned.

Baskets

- Large open area ratios ensure minimum pressure drop across the unit.
- See Pressure Drop Charts in the Technical Data section of the Mueller Steam Specialty Engineering binder.

MODEL	SIZES	STANDARD (WATER)	
		MATERIAL	OPENING
792FD, 794FD, 796FD	1" – 1½"	304SS	.062 perf

NOTE: NEW! For sizes 2" - 6", see ES-MS-792MFD, 794MFD, 796MFD

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____



Material

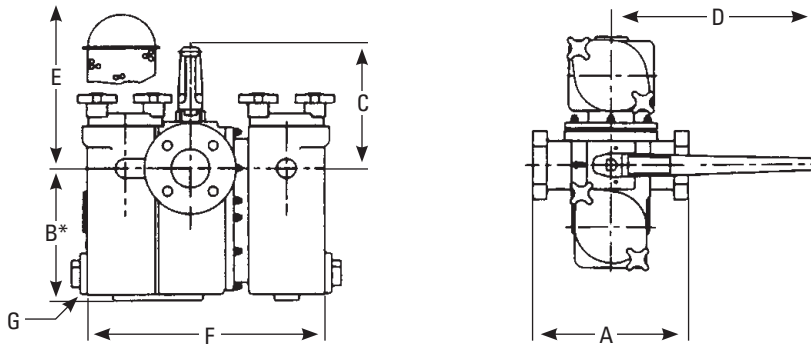
	792FD, 794FD, 796FD
Body	Carbon Steel, ASTM A216-WCB
Cover	Carbon Steel
Seats	PTFE
O-Rings	Buna-N

*Alternate seats and O-ring materials available.

Reference Standards

ASME B16.5	Pipe Flanges and Flanged Fittings
ASME B16.34	Valves - Flanged, Threaded and Welding End

Dimensions and Weights



* "B" Dimension includes the floor supports when applicable.

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SIZE		DIMENSIONS										WEIGHT				C _v VALUE						
in.	mm	A		B		C		D		E Screen Removal		F		G (NPT)		792FH		794FH				
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	lbs.	kgs.			
1	25	6 ⁷ / ₈	175	7 ¹ / ₈	181	4 ¹⁵ / ₁₆	125	4 ⁵ / ₈	118	10	254	7 ³ / ₄	197	10 ⁹ / ₁₆	259	3/4	20	38	17.2	38	17.2	12
1 ¹ / ₄	32	9 ³ / ₈	238	9 ³ / ₈	238	6 ³ / ₄	171	4 ³ / ₈	111	10	254	10 ³ / ₈	264	12 ³ / ₄	324	1 ¹ / ₄	32	73	33.1	73	33.1	22
1 ¹ / ₂	40	9 ³ / ₈	238	9 ³ / ₈	238	6 ³ / ₄	171	4 ³ / ₈	111	10	254	10 ³ / ₈	264	12 ³ / ₄	324	1 ¹ / ₄	32	73	33.1	73	33.1	22

NOTE: NEW! For sizes 2" - 6", see ES-MS-792MFD, 794MFD, 796MFD

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