

Models: 792MFD, 794MFD, 796MFD

Ball-Plex™ Carbon Steel Flanged Ends Duplex Strainers Sizes: 2" - 6" (50 - 150mm)

Pressure/Temperature - Non-Shock		
Model	Material	Rating
792MFD	Carbon Steel	285psi @ -20 to 100°F
		19.6 bar @ 38°C
		260psi @ 200°F
		17.7 Bar @ 100°C
794MFD	Carbon Steel	740 psi @ -20 to 100°F
		51.1 bar @ 38°C
		680psi @ 200°F
		46.6 bar @ 100°C
796MFD	Carbon Steel	740psi @ -20 to 100°F
		51.1 bar @ 38°C
		680psi @ 200°F
		46.6 bar @ 100°C

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

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



Model 792MFD

⚠ WARNING

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

Bolted Covers required above 150 psi or 200°F.

Strainers provide positive and inexpensive 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.
- The pressurized chamber in use is covered by the handle. This prevents accidental opening of the pressurized chamber, and allows easy access to the chamber to be cleaned.
- NEW! Three Piece Design!
- Center body casting holds all moving parts. Baskets housings are identical and symmetrical around the body.
- After removal of either basket housing, all internal components are easily accessible for service, even with the unit still installed in line.

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
792MFD, 794MFD, 796MFD	2" - 4"	304SS	.062
	5" - 6"	304SS	.125

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

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

Material

792MFD, 794MFD, 796MFD	
Body	Carbon Steel A216-WCB
Cover	Carbon Steel A216-WCB
Seats	PTFE
O-Rings	BUNA

Pickling and passivation available on request, consult factory.

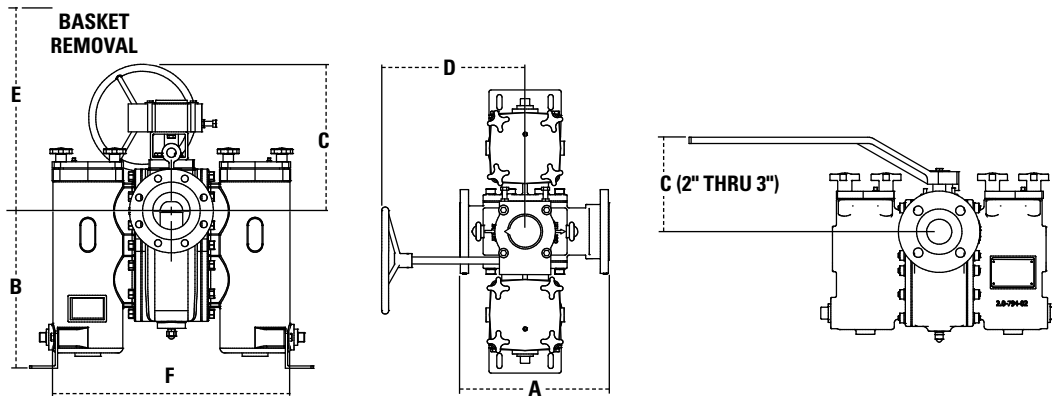
*Alternate seats and O-ring materials available.

Reference Standards

ASME B16.5 Pipe Flanges and Flanged Fittings

ASME B16.34 Valves - Flanged, Threaded and Welding End

Dimensions and Weights



Models 792MFD, 794MFD

SIZE		DIMENSIONS										WEIGHT				C _v VALUE						
		A		B		C		D		E		F		G (NPT)		792		794				
		CLASS 150		CLASS 300												lbs.	kgs.	lbs.	kgs.			
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm							
2"	51	10 ⁵ / ₈	270	10 ⁵ / ₈	270	8 ³ / ₁₆	208	7 ¹ / ₂	191	20	508	12 ⁵ / ₈	321	16 ³ / ₈	416	1 ¹ / ₄	32	115	52	121	55	45
2 ¹ / ₂ "	64	13 ¹ / ₂	343	14 ¹ / ₄	362	12	305	8 ⁵ / ₁₆	211	20	508	18	457	21	533	1 ¹ / ₂	38	223	101	233	106	45
3"	76	13 ¹ / ₂	343	14 ¹ / ₄	362	12	305	8 ⁵ / ₁₆	211	20	508	18	457	21	533	1 ¹ / ₂	38	223	101	233	106	110
4"	102	16	406	16 ¹ / ₂	419	16 ⁷ / ₈	429	15 ³ / ₄	400	15 ³ / ₈	403	23 ³ / ₈	594	25 ¹ / ₂	648	1 ¹ / ₂	38	443	201	466	211	160
5"	127	22	559	22 ⁷ / ₈	581	18 ¹ / ₂	470	17 ¹ / ₂	445	15 ³ / ₈	403	23 ⁷ / ₈	606	26 ⁵ / ₈	276	1 ¹ / ₂	38	820	372	850	385	450
6"	152	22	559	22 ⁷ / ₈	581	18 ¹ / ₂	470	17 ¹ / ₂	445	15 ³ / ₈	403	23 ⁷ / ₈	606	26 ⁵ / ₈	276	1 ¹ / ₂	38	820	372	850	385	450

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