

Models: 792FH, 794FH, 796FH

Ball-Plex™ Stainless Steel Flanged End Duplex Strainers Sizes: 1" - 6" (25 - 150mm)

Pressure/Temperature - Non-Shock		
Model	Material	Rating
792FH	Stainless Steel	275psi @ -20 to 100°F
		18.96 bar @ 37.78°C
		195psi @ 400°F 13.44 Bar @ 204.44°C
794FH	Stainless Steel	720 psi @ -20 to 100°F
		49.64 bar @ 37.78°C
		515psi @ 400°F 35.51 bar @ 204.44°C
796FH	Stainless Steel	720psi @ -20 to 100°F
		49.64 bar @ 37.78°C
		515psi @ 400°F 35.51 bar @ 204.44°C

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

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



Model 792F

***CAUTION:**

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

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
792FH, 794FH,	1" - 4"	304SS	.062 perf
796FH	5" - 6"	304SS	.125 perf

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

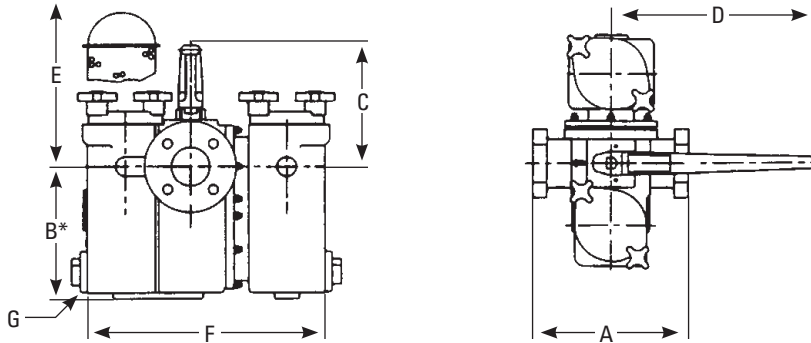
Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____

Material

	792FH, 794FH, 796FH
Body	316 Stainless Steel ASTM A351 Grade CF8M
Cover	316 Stainless Steel ASTM A351 Grade CF8M
Seats	PTFE
O-Rings	Viton®

Pickling and passivation available on request, consult factory.

Dimensions and Weights



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

Models 792FH, 794FH, 796FH

SIZE		DIMENSIONS												WEIGHT							
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 ³ / ₁₆	259	3/4	20	38	17.2	38	17.2
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
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
2	50	10 ⁵ / ₈	270	10 ⁵ / ₈	270	8 ³ / ₁₆	208	7 ¹ / ₈	181	20	508	12 ⁵ / ₈	321	16 ³ / ₈	416	1 ¹ / ₂	40	121	54.8	125	56.6
2 ¹ / ₂	65	13 ¹ / ₂	343	14 ¹ / ₄	362	12	305	8 ¹ / ₁₆	205	20	508	17 ²¹ / ₃₂	448	20 ³ / ₈	518	1 ¹ / ₂	40	224	101.5	230	104.3
3	80	13 ¹ / ₂	343	14 ¹ / ₄	362	12	305	8 ¹ / ₁₆	205	20	508	17 ²¹ / ₃₂	448	20 ³ / ₈	518	1 ¹ / ₂	40	224	101.5	230	104.3
4 ^{††}	100	16	406	16 ¹ / ₂	419	16 ¹³ / ₁₆	427	15 ¹ / ₂	394	14+	356	23 ¹ / ₂	597	24 ¹ / ₂	622	1 ¹ / ₂	40	440	199.5	450	204
5 ^{††}	125	22	559	22 ⁷ / ₈	581	18 ⁵ / ₈	473	17 ¹ / ₄	438	14+	356	25 ¹¹ / ₁₆	653	26 ¹ / ₄	667	1 ¹ / ₂	40	780	353.7	790	258.2
6 ^{††}	150	22	559	22 ⁷ / ₈	581	18 ⁵ / ₈	473	17 ¹ / ₄	438	14+	356	25 ¹¹ / ₁₆	653	26 ¹ / ₄	667	1 ¹ / ₂	40	780	353.7	790	258.2

Apply For Certified Drawings.

+ 4", 5" and 6" units are standard with a gear operator. The handwheel dimension is 10".

†† 4", 5" and 6" units are standard with floor supports. Dimension "B" reflects this standard in those sizes.

Mueller Steam Specialty product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Mueller Steam Specialty Technical Service. Mueller Steam Specialty reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Mueller Steam Specialty products previously or subsequently sold.

