Models: 792FB, 794FB

Ball-Plex[™] Bronze Flanged End Duplex Strainers Sizes: 1"-6" (25 - 150mm)

Pressure / Temperature – Non-Shock								
Model 792FB	Material Bronze	Rating 225psi @ -20°F to 150°F 15.51 bar @ 65.56°C 195psi @ 250°F 13.44 bar @ 121.11°C						
794FB	Bronze	500psi @ -20°F to 150°F 34.47 bar @ 65.56°C 425psi @ 250°F 29.30 bar @ 121.11°C						

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

792FB 794FB Class 150 Class 300



Models 792FB, 794FB

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 shutdown 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 Technical Data Section of the Mueller Steam Specialty Engineering binder for Pressure Drop Charts.

		STANDARD (WATER)					
MODEL	SIZES	MATERIAL	OPENING				
792FB, 794FB	1" - 4"	304SS	.062 perf				
792FB, 794FB	5" - 6"	304SS	.125 perf				

Job Name	Contractor
Job Location	Approval
Engineer	Contractor's P.O. No.
Approval	Representative

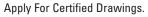


Material

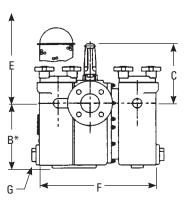
	792FB, 794FB
Body	Bronze ASTM B62 (85-5-5-5)
Cover	Bronze ASTM B62 (85-5-5-5)
Seats	PTFE
0-Rings	Buna-N

Dimensions and Weights

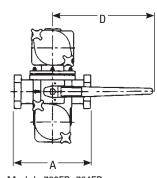
SI	ZE	DIMENSIONS										WE	IGHT				
			A	Е	3	C	;	I)	E Screen Removal		F		G (NPT)			
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.
792FB																	
1	25	67/8	175	415/16	125	45/8	118	10	254	73/4	197	103/16	259	3/4	20	35	15.8
11/4	32	9%	238	63/4	171	43//8	111	10	254	10%	264	123/4	324	11/4	32	65	29.4
11/2	40	93/8	238	63/4	171	43/8	111	10	254	10%	264	123/4	324	11/4	32	65	29.4
2	50	10%	270	83/16	208	71//8	181	20	508	12%	321	16%	416	11/2	40	118	53.5
21/2	65	13½	343	12	305	81/16	205	20	508	17 ²¹ / ₃₂	448	203//8	518	11/2	40	249	112.9
3	80	13½	343	12	305	81/16	205	20	508	1721/32	448	20%	518	11/2	40	249	112.9
4††	100	16	406	16 ¹³ / ₁₆	427	15½	394	14+	356	23½	597	241/2	622	11/2	40	435	197.2
5††	125	22	559	185/8	473	171/4	438	14+	356	2511/16	653	261/4	667	11/2	40	746	338.3
6††	150	22	559	185/8	473	171/4	438	14+	356	25 ¹ / ₁₆	653	261/4	667	11/2	40	746	338.3
794FI	В																
1	25	71//8	181	415/16	125	45/8	118	10	254	73/4	197	10 3/16	259	3/4	20	40	18.1
11/4	32	93/8	238	63/4	171	43/8	111	10	254	10%	264	123/4	324	11/4	32	70	31.7
11/2	40	93/8	238	63/4	171	43//8	111	10	254	10%	264	123/4	324	11/4	32	70	31.7
2	50	10%	270	83/16	208	71//8	181	20	508	125/8	321	16%	416	11/2	40	120	54.4
21/2	65	141/4	362	12	305	81/16	205	20	508	17 ²¹ / ₃₂	448	20%	518	11/2	40	260	117.9
3	80	141/4	362	12	305	81/16	205	20	508	17 ²¹ / ₃₂	448	20%	518	1½	40	260	117.9
4††	100	16½	419	16 ¹³ ⁄ ₁₆	427	15½	394	14+	356	23½	597	241/2	622	1½	40	450	204.0
5††	125	221//8	581	185/8	473	171/4	438	14+	356	25 ¹ / ₁₆	653	261/4	667	1½	40	_	
6††	150	227/8	581	18%	473	171/4	438	14+	356	25 ¹ / ₁₆	653	261/4	667	1½	40	_	



+ 4", 5" and 6" units are standard with a gear operator. The handwheel dimension is 10". 11 4", 5" and 6" units are standard with floor supports. Dimension "B" reflects this standard in those sizes.



* "B" dimension includes the floor supports when applicable



Models 792FB, 794FB

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