# Models: 792FB, 794FB

Class 150

Class 300

Pressure/Temperature-Non-Shock									
<b>Model</b> 792FB	<b>Material</b> Al-Brz	<b>Rating</b> 225psi @ -20°F to 150°F 15.51 bar @ 65.56°C 195psi @ 250°F 13.44 bar @ 121.11°C							
794FB	Al-Brz	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



Models 792FB, 794FB

Ball-Plex<sup>™</sup> Cast Aluminum Bronze Flanged End Duplex Strainers

Sizes: 1"- 6" (25 - 150mm)

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  $^{\rm TM}$  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

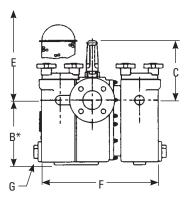


#### Material

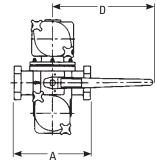
	792FB, 794FB
Body	Aluminum Bronze ASTM B148
Cover	Aluminum Bronze ASTM B148
Seats	PTFE
0-Rings	Buna-N

## **Dimensions and Weights**

SI	ZE	DIMENSIONS										WE	GHT				
			A	B	}	C	;	I	נ	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	61/8	175	<b>4</b> <sup>15</sup> / <sub>16</sub>	125	45%	118	10	254	7¾	197	<b>10</b> <sup>3</sup> ⁄16	259	3⁄4	20	35	15.8
11/4	32	<b>9</b> 3⁄8	238	6¾	171	43/8	111	10	254	10%	264	123⁄4	324	11/4	32	65	29.4
11/2	40	<b>9</b> 3⁄8	238	6¾	171	43/8	111	10	254	10¾	264	12¾	324	11/4	32	65	29.4
2	50	10%	270	<b>8</b> ¾16	208	<b>7</b> ½	181	20	508	125%	321	16¾	416	11/2	40	118	53.5
<b>2</b> <sup>1</sup> / <sub>2</sub>	65	<b>13</b> ½	343	12	305	<b>8</b> <sup>1</sup> / <sub>16</sub>	205	20	508	<b>17</b> <sup>21</sup> / <sub>32</sub>	448	<b>20</b> 3⁄/8	518	11/2	40	249	112.9
3	80	<b>13</b> ½	343	12	305	<b>8</b> <sup>1</sup> / <sub>16</sub>	205	20	508	<b>17</b> <sup>21</sup> / <sub>32</sub>	448	203/8	518	11/2	40	249	112.9
4††	100	16	406	<b>16</b> <sup>13</sup> ⁄16	427	15½	394	14+	356	<b>23</b> ½	597	<b>24</b> ½	622	11/2	40	435	197.2
5††	125	22	559	185%	473	171⁄4	438	14+	356	<b>25</b> <sup>1</sup> / <sub>16</sub>	653	<b>26</b> <sup>1</sup> ⁄ <sub>4</sub>	667	11/2	40	746	338.3
6††	150	22	559	185%	473	171⁄4	438	14+	356	<b>25</b> <sup>1</sup> / <sub>16</sub>	653	261/4	667	11/2	40	746	338.3
794FI	B																
1	25	71/8	181	<b>4</b> <sup>15</sup> / <sub>16</sub>	125	45%	118	10	254	73⁄4	197	<b>10</b> <sup>3</sup> ⁄16	259	3⁄4	20	40	18.1
11/4	32	<b>9</b> 3⁄8	238	6¾	171	43/8	111	10	254	10¾	264	123⁄4	324	11/4	32	70	31.7
11/2	40	<b>9</b> ¾	238	<b>6</b> ¾	171	<b>4</b> <sup>3</sup> / <sub>8</sub>	111	10	254	10%	264	<b>12</b> <sup>3</sup> ⁄4	324	11⁄4	32	70	31.7
2	50	105⁄%	270	<b>8</b> <sup>3</sup> ⁄16	208	71/8	181	20	508	125%	321	16¾	416	11/2	40	120	54.4
<b>2</b> ½	65	141/4	362	12	305	<b>8</b> <sup>1</sup> / <sub>16</sub>	205	20	508	<b>17</b> <sup>21</sup> / <sub>32</sub>	448	203/8	518	1½	40	260	117.9
3	80	<b>14</b> <sup>1</sup> ⁄ <sub>4</sub>	362	12	305	<b>8</b> <sup>1</sup> / <sub>16</sub>	205	20	508	<b>17</b> <sup>21</sup> / <sub>32</sub>	448	203/8	518	11/2	40	260	117.9
4††	100	16½	419	<b>16</b> <sup>13</sup> ⁄16	427	15½	394	14+	356	<b>23</b> ½	597	<b>24</b> ½	622	1½	40	450	204.0
5††	125	221/8	581	185%	473	17¼	438	14+	356	<b>25</b> <sup>11</sup> / <sub>16</sub>	653	<b>26</b> <sup>1</sup> / <sub>4</sub>	667	1½	40		
6††	150	221/8	581	185%	473	171⁄4	438	14+	356	2511/16	653	261/4	667	1½	40	—	



\* "B" dimension includes the floor supports when applicable



Models 792FB, 794FB

Apply For Certified Drawings.

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

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A Watts Water Technologies Company