# Models: 792SD, 794SD

## Ball-Plex™ Carbon Steel Screwed End **Duplex Strainers**

Sizes: 3/4" - 3" (20 - 80mm)

Pressure/Temperature - Non-Shock

Model **Material Rating** 792SD Carbon 285psi @ -20 to 100°F 19.65 bar @ 37.78°C Steel 260psi @ 200°F 17.93 bar @ 93.33°C 794SD Carbon 740psi@-20 to 100°F 51.02 bar @ 37.78°C

680psi @ 200°F

46.88 bar @ 93.33°C

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

Steel

**792SD** Class 150 **794SD** Class 300



Model 792SD

#### **A** WARNING

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

		STANDA	STANDARD (WATER)						
MODEL	SIZES	MATERIAL	OPENING						
792SD, 794SD	3/4" -3"	304SS	.062 perf.						

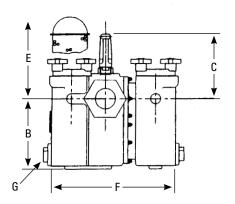
Job Name	Contractor
Job Location	Approval
Engineer	Contractor's P.O. No.
Approval	Representative

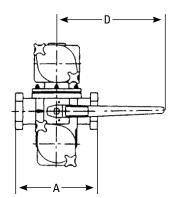


## **Material**

	792SD, 794SD						
Body	Carbon Steel, ASTM A216-WCB						
Cover/Cap	Carbon Steel						
Seats	PTFE						
0-Rings	Buna-N						

# **Dimensions and Weights**





Models 792SD, 794SD

SI	ZE	DIMENSIONS												WEI	GHT		
		,	4	E	3	С		D E Screen Removal		F		G (NPT)					
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.
3/4	20	5½	140	<b>4</b> <sup>15</sup> ⁄ <sub>16</sub>	125	45/8	118	10	254	73/4	197	<b>10</b> 3/16	259	3/4	20	32	14.5
1	25	5½	140	<b>4</b> <sup>15</sup> ⁄ <sub>16</sub>	125	45/8	118	10	254	73/4	197	<b>10</b> 3/16	259	3/4	20	32	14.5
11/4	32	<b>7</b> ½	191	63/4	171	43/8	111	10	254	10%	264	123/4	324	11/4	32	58	26.3
11/2	40	<b>7</b> ½	191	63/4	171	43/8	111	10	254	10%	264	12¾	324	11/4	32	57	25.8
2	50	10	254	83/16	208	<b>7</b> ½	181	20	508	<b>12</b> %	321	16%	416	11/4	32	115	52.1
<b>2</b> ½	65	11½	292	12	309	81/16	205	20	508	<b>17</b> <sup>1</sup> / <sub>16</sub>	449	20%	518	1½	40	198	89.7
3	80	11½	292	12	309	81/16	205	20	508	<b>17</b> <sup>1</sup> / <sub>16</sub>	449	20%	518	1½	40	198	89.7

**Apply for Certified Drawings** 

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