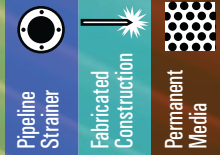


Fabricated Simplex Strainer

Model 90



8" Model 90 strainer, carbon steel with bolted cover

- Carbon Steel or Stainless Steel*
- Sizes 1" to 48"
- Flanged ANSI Class 150 or 300

FEATURES

- Straight through flow design
- Low pressure loss
- Slant top basket design
- Basket perforations from 1/32" to 1"
- 20 to 400 mesh linings for fine straining applications

OPTIONS

- ANSI Class 600, 900, or 1500 flanges
- Hinged cover or davit assembly for easier maintenance
- Alloy construction for body and baskets
- RTJ-style connections
- Vent valves
- Drain valves
- Gauge taps
- Backflushing system for manual or automated cleaning
- Pressure differential gauge and switches
- Steam jacket for highly viscous fluids
- Rotated or offset nozzle placement
- High pressure capabilities
- ASME Code construction
- Brazilian NR-13 available
- European standards - DIN/PED available
- Coatings and linings available upon request

* Stainless steel strainers include painted carbon steel, external, non-wetted fasteners as standard

Customize to Improve Performance and Meet Higher Pressure Requirements

Unique Strainer Basket

A slant top design improves the flow through the strainer and results in significantly lower pressure drops. This design also results in a more compact basket that weighs less than an ordinary basket. This makes it possible for one person to remove it from the strainer housing, a labor saving feature when it comes time to clean or changeout the basket.

Common Modifications

- Rotated inlet and outlet nozzles to eliminate an elbow in the downstream piping
- Lowering or raising either the inlet or the outlet nozzle, this eliminates serious alignment and support problems.

Cover Type Openings

For applications with infrequent basket changing, Eaton offers a simple, cost-effective, bolted cover type. It's available with a davit assembly cover for larger strainers with heavy covers, this makes it possible for a one-person operation.

For applications with more frequent changing, Eaton offers a hinged, quick opening cover secured by swing bolts.

This is adaptable for higher pressure applications. For medium size strainers, 8" to 16," a bolted slide hinge cover is available. This permits one operator to engage the hinge and open the cover.

Backflush/Backwash Option

In systems with heavy, well-defined solids and sediment, this option backflushes the system without shutting the system down. A piping backflush valve is fabricated at the strainer bottom and has a connection to the bottom of the strainer basket. When solids accumulate in the bottom of the basket, the backflush valve opens and the differential between the operating pressure and the backflush system removes the solids. The second step, backwashing, reverses the flow and removes residual dirt.

Optional Steam Jacketing

Available in carbon steel or 316 stainless steel rated for service up to 450 °F. This is ideal for the high temperatures required to process and transport heavy, viscous fluids without affecting the function or normal maintenance of the strainer. Steam jacketing maintains critical fluid temperature throughout the strainer.

Design and fabrication to ASME section VIII and ANSI B31.1 codes are available.



Powering Business Worldwide

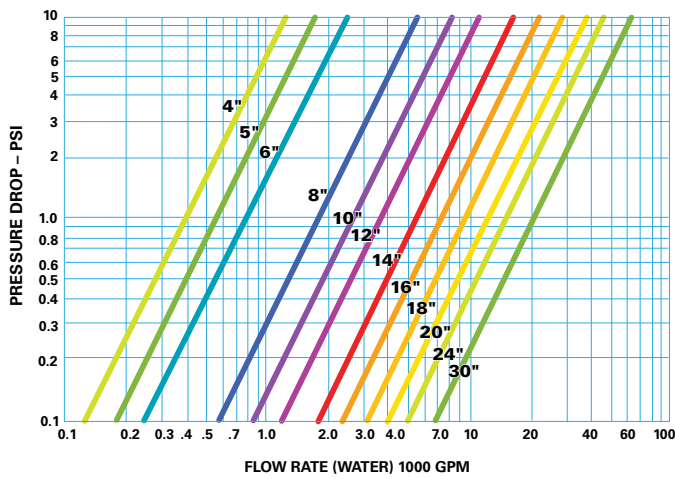
Model 90 Fabricated Simplex Strainer

Model 90 with Quick Open Hinge Cover

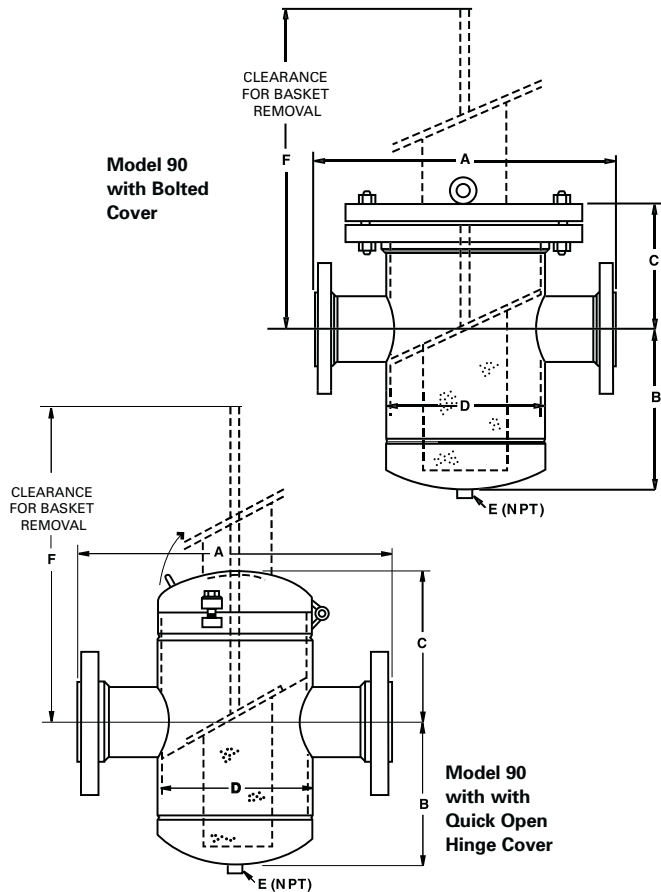
Nom Size	Dimensions (in)							Weight (lbs)			
	Class 150 A	Class 300 A	Class B	Class 150/300 C	Class D	E	F	Class 150 Cover Unit	Class 300 Cover Unit		
2	14	14	12	8-5/8	6-5/8	1/2	26	6	71	6	90
3	15	15	12-1/2	8-5/8	6-5/8	1/2	26	6	73	6	105
4	16	16	14	9-1/2	8-5/8	1	21	9	122	9	158
5	16	17-1/2	15	11-1/4	10-3/4	1	22	9	128	9	176
6	20	21	17	11-1/4	10-3/4	1	24	12	168	12	236
8	22	23	21	13	12-3/4	1-1/2	28	15	226	15	278
10	32	33	25	15-3/4	16	1-1/2	33	30	360	30	483
12	35	36	28	17-3/4	18	1-1/2	39	37	535	37	734
14	37	38	33	19-3/4	20	2	45	46	804	46	1030
16	42	43	36	23-1/4	24	2	49	68	1188	68	1437
18	42	43	39	23-1/4	24	2	53	68	1255	68	1553
20	43	44-1/2	44	27-3/4	30	2	59	71	1322	71	1656
24	48	49-3/4	60	27-3/4	30	2	78	88	1860	88	2344

Model 90 with Bolted Cover

Nom Size	Dimensions (in)							Weight (lbs)				
	Class 150 A	Class 300 A	B	Class 150 C	Class 300 C	D	E	F	Class 150 Cover Unit	Class 300 Cover Unit		
2	14	14	12	7	9	6-5/8	1/2	23	28	110	50	160
3	15	15	12 1/2	8	9	6-5/8	1/2	24	28	120	50	175
4	16	16	14	8-1/4	9 1/2	8-5/8	1	21	45	147	81	219
5	16	17-1/2	15	9-1/2	11	10-3/4	1	22	45	153	81	237
6	20	21	17	9-1/2	11	10-3/4	1	24	70	203	127	328
8	22	23	21	11	12-1/2	12-3/4	1-1/2	28	110	281	184	407
10	32	33	25	13	14-1/2	16	1-1/2	33	170	450	307	710
12	35	36	28	14-1/2	16	18	1-1/2	39	209	644	390	1024
14	37	38	33	15-3/4	17-1/2	20	2	45	272	951	492	1397
16	42	43	36	18-1/4	20	24	2	49	411	1409	754	2011
18	42	43	39	18-1/4	20	24	2	53	411	1486	754	2127
20	43	44-1/2	44	21-3/4	24	30	2	59	411	1553	754	2231
24	48	49-3/4	60	21-3/4	24	30	2	78	681	2291	1403	3497



Model 90 strainer with offset nozzles, quick open cover, and flanged drain



Eaton
North America – HQ
 44 Apple Street,
 Tinton Falls, NJ 07724

Toll Free: 800 656-3344
 (North America only)

Voice: +1 732 212-4700
 Fax: 952 906-3706

Eaton Brazil
 Voice: +55 11 2465 8822

Eaton China
 Voice: +86-21 5200 0422

Eaton Europe/Africa/Middle East
 Voice: +49-2486-809-0

Eaton Singapore
 Voice: +65 6825 1668

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