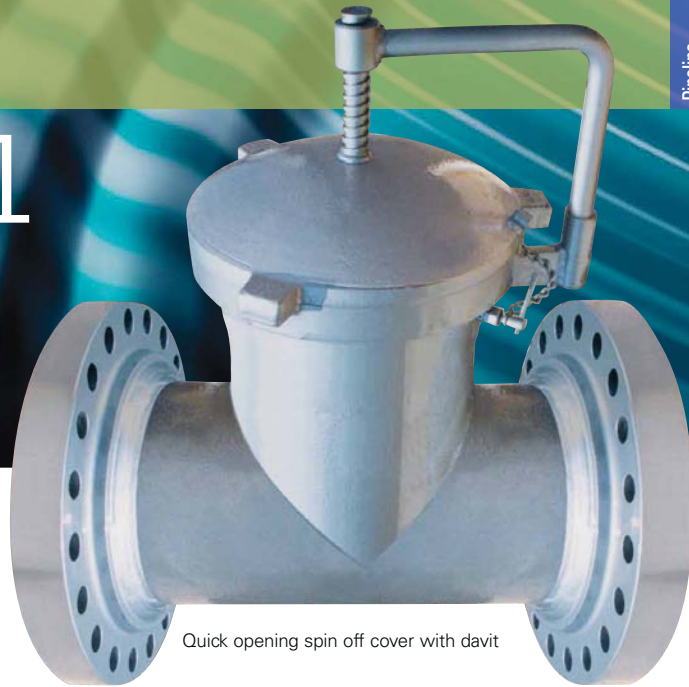
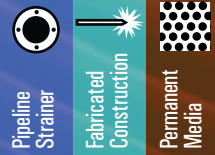


Fabricated T-Type Strainer

Model 91



Quick opening spin off cover with davit

- Carbon Steel or Stainless Steel*
- Sizes 2" to 48"
- Flanged or Butt Weld

FEATURES

- ANSI Class 150, 300, or 600 flanges
- Vertical or horizontal orientation
- Low pressure drop
- Convoluted screen for more surface area with perforations from 1/16" to 1/2"
- 20 to 60 mesh linings for fine straining applications

OPTIONS

- Quick open hinged or davit cover assembly bolted cover
- Alloy construction for body and baskets
- ASME Code construction
- Steam jacket for highly viscous fluids
- Straight through or right angle configuration
- Flanged class 600 or butt weld piping connections

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



Model 91 with hinged cover

EATON

Powering Business Worldwide

Customize to Improve Performance and Meet Higher Pressure Requirements

The Model 91 fabricated T strainer, typically used for pump protection or other low solids applications has several advantages over other strainer designs. Its compact design is perfect for applications with restricted space, either vertical or horizontal installations are possible, and when cleaning the strainer, draining the vessel is not necessary. It also can be adapted for straight through or right angle flow, making it ideal for retrofit situations.

Unique Strainer Design

The unique convoluted design of the strainer screen doubles the screen area and completely changes the dirt accumulation pattern on the screen, more effectively using the screen's straining area and increasing the time between cleanings. The combination of a convoluted strainer screen and unrestricted flow path results in a very low pressure drop, ideal for applications such as condensate and boiler feed pump suction in which water quality is good and pressure drop is critical.

Strainer Screens

Strainer screens are stainless steel or other specified materials.

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.

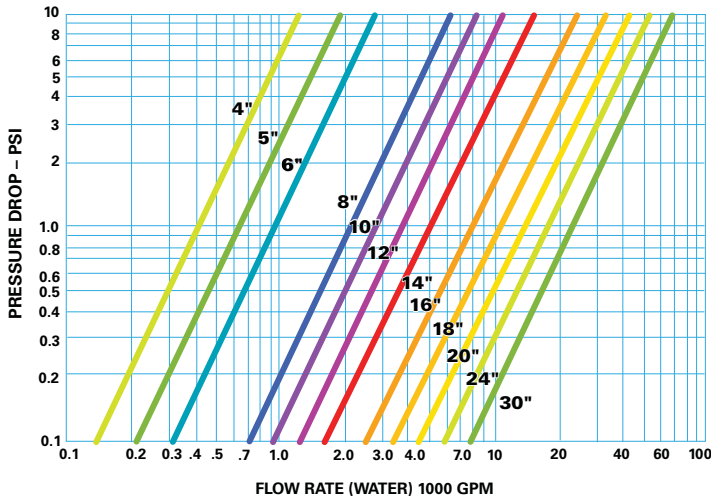
For applications with more frequent changing, Eaton offers a hinged, quick opening cover secured by swing bolts. This is adaptable for higher pressure applications. For medium size strainers, 14" to 16," a bolted slide hinge cover is available. This permits one operator to engage the hinge and open the cover.

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.

Eaton customizes the strainers to meet special application requirements. Design and fabrication to ASME section VIII and ANSI B31.1 codes are available

Model 91 Fabricated T-Type Strainer

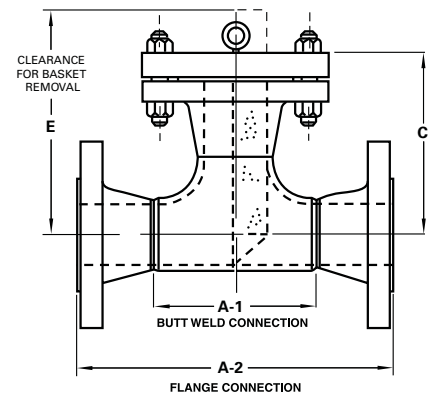


Model 91 with bolted cover

Model 91 with Bolted Cover

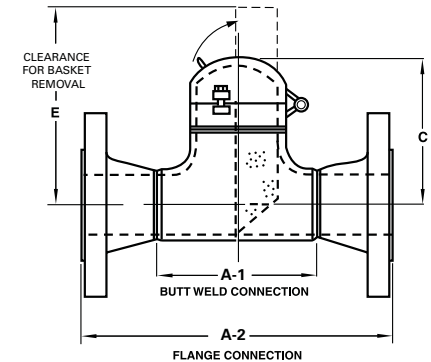
Nom Size	Dimensions (ins)									Weight (lbs)			
	Butt Weld Connections				Flanged Connections					Class 150		Class 300	
	Class 150		Class 300		Class 150		Class 300			Cover	Unit	Cover	Unit
A-1	C	A-1	C	A-2	C	A-2	C	E					
2	5	5-1/4	5	6-1/8	10	5-3/4	10-1/2	6-1/8	13	4	25	8	38
3	6-3/4	7-1/8	6-3/4	7-5/8	12-1/4	7-1/8	13	7-5/8	14	9	50	16	69
4	8-1/4	8-1/8	8-1/4	8-3/4	14-1/4	8-1/8	15	8-3/4	16	17	75	27	115
5	9-3/4	9-3/8	9-3/4	10-1/8	16-3/4	9-3/8	17-1/2	10-1/8	19	20	80	35	151
6	11-1/4	10-1/8	11-1/4	11	18-1/4	10-1/8	19	11	22	26	110	50	206
8	14	12-1/8	14	13	22	12-1/8	22-3/4	13	25	45	185	81	336
10	17	13-3/4	17	15	25	13-3/4	26-1/4	15	29	70	324	127	491
12	20	15-3/4	20	17-1/8	29	15-3/4	30-1/4	17-1/8	31	110	410	184	730
14	22	17-3/8	22	18-3/4	32	17-3/8	33-1/4	18-3/4	38	131	615	236	966
16	24	18-1/2	24	20	34	18-1/2	35-1/2	20	41	170	776	307	1264
18	27	20-5/8	27	22-1/8	38	20-5/8	39-1/2	22-1/8	46	209	920	390	1587
20	30	22-3/8	30	23-7/8	41-3/8	22-3/8	42-3/4	23-7/8	51	272	1180	492	1980
24	34	24-7/8	34	26-3/8	46	24-7/8	47-1/4	26-3/8	56	411	2190	594	2722

Dimensions are for reference only. For installation purposes, contact Eaton for certified drawings.



Model 91 with Quick Open Hinge Cover

Nom Size	Dimensions (ins)									Weight (lbs)			
	Butt Weld Connections				Flanged Connections					Class 150		Class 300	
	Class 150		Class 300		Class 150		Class 300			Cover*	Unit	Cover*	Unit
A-1	C	A-1	C	A-2	C	A-2	C	E					
6	11-1/4	9-1/4	11-1/4	9-1/4	18 1/4	9-1/4	19	9-1/4	22	5	108	5	142
8	14	11-1/8	14	11-1/8	22	11-1/8	22-3/4	11-1/8	25	9	156	9	208
10	17	13-1/2	17	13-1/2	25	13-1/2	26-1/4	13-1/2	29	12	231	12	330
12	20	15-5/8	20	15-5/8	29	15-5/8	30-1/4	15-5/8	31	15	342	15	458
14	22	17-1/8	22	17-1/8	32	17-1/8	33-1/4	17-1/8	38	20	435	20	610
16	24	18-5/8	24	18-5/8	34	18-5/8	35-1/2	18-5/8	41	26	540	26	781
18	27	21-1/8	27	21-1/8	38	21-1/8	39-1/2	21-1/8	46	32	660	32	990
20	30	23-5/8	30	23-5/8	41-3/8	23-5/8	42-3/4	23-5/8	51	40	806	40	1222
24	34	27-1/8	34	27-1/8	46	27-1/8	47-1/4	27-1/8	56	58	1085	58	1755



*Force required to lift cover in lbs.

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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