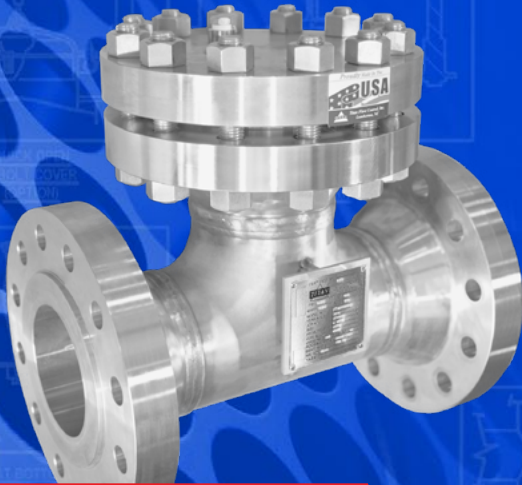


FABRICATED TEE STRAINERS

2" - 30" | ANSI CLASS 600



6" Fabricated Tee Strainer, ANSI 600, with Bolted Cover Assembly Shown

Fabricated Tee Strainers are required when an off-the-shelf solution will not meet your exact piping requirements. All of our Fabricated Strainers are made right here in the USA, at our state-of-the-art facility in the southeastern part of North Carolina.

CUSTOM COVER SOLUTIONS INCLUDING DAVITS & HINGED COVER

All pictures shown are for illustrative purposes only.
Actual product may vary due to product enhancement.

MODEL

FT 40 Series - 600 Class

MATERIALS:

- Carbon Steel • Stainless Steel
- Other Alloys

OPTIONS



- Gauge Taps
- Vent - (Standard)
- Drains
- Back Flush Valves
- Semi-Automatic
- Pressure Gauges
- DP Gauge Switch



HINGED



DAVIT



BOLTED



ANSI CLASSES

ANSI Class 150
up to high pressure
900 class



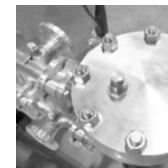
STRAINING ELEMENTS

Customize to fit your
requirements
Heavy Duty Baskets



END CONNECTIONS

Flanged, Raised Face,
RTJ, Butt Weld, Socket
Weld, Threaded



SANITARY

Sanitary Application
Designs for
food/pharmaceutical
processing



TEMPERATURE CONTROL

Steam Jacket casing
for set temperature
control



UNIQUE PROJECTS

Rotated and Offset
Nozzles to fit into
your applications

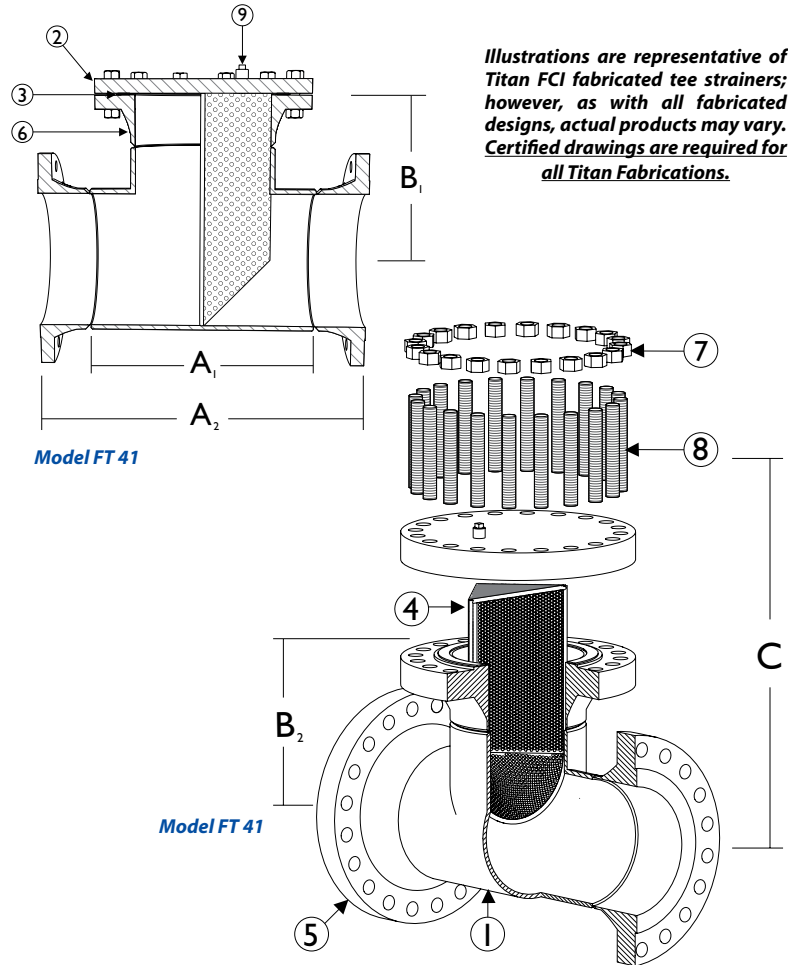
BILL OF MATERIALS⁽¹⁾
FT 40 Series

Part	FT 40-45 CS	FT 40-45 SS
1 Body	Carbon Steel A234 Gr.WPB	Stainless Steel SA403
2 Cover	Carbon Steel A105	Stainless Steel SA182 Type 316
3 Cover Gasket/ O-Ring ⁽²⁾	Bolted: Spiral Wound Stainless Steel	Quick Open: Buna-N ⁽³⁾
4 Straining Element ^{(2)(4) (5)}	T304 SS	T304 SS
5 Inlet/Outlet Flange	Carbon Steel A105	Stainless Steel SA182 Type 316
6 Weld Neck Flange	Carbon Steel A105	Stainless Steel SA182 Type 316
7 Bolts	Carbon Steel A193-B7	Stainless Steel A193 B8 M
8 Nuts	Carbon Steel A194 2H	Stainless Steel A194 Gr.8
9 Vent with Plug ⁽⁶⁾	Carbon Steel A105	Stainless Steel SA182 Type 316

1. Bill of Materials represents standard materials. Equivalent or better materials may be substituted at the manufacturer's discretion.
2. Titan recommends keeping spare parts on hand.
3. Buna-N is standard for applications below 250° F. Viton is standard for applications above 250° F.
4. Max mesh size available is 60 mesh.
5. 1/8" perf is standard for all mesh lined straining elements.
6. 1/2" NPT is standard

Tee Strainers are not recommended for suction applications.

Optional bottom drains (2" NPT Standard) are available at extra cost.


FT 40 Series: Tee Strainer Dimensions | 2" - 30" | ANSI CLASS 600
DIMENSIONS AND WEIGHTS⁽¹⁾

	in	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24	30
	mm	50	65	80	100	125	150	200	250	300	355	405	460	508	610	762
(A₁) Face to Face⁽²⁾ FT 40, FT 43 - Butt-Weld	in	5.00	6.00	6.75	8.25	9.75	11.25	14.00	17.00	20.00	22.00	24.00	27.00	30.00	34.00	C/F
	mm	127	152	172	210	248	286	356	432	508	559	610	686	762	864	C/F
(A₂) Face to Face⁽²⁾ FT 41, FT 44 - Flanged	in	11.50	13.00	14.00	17.00	19.50	21.25	25.25	29.75	33.00	35.75	38.75	42.25	45.75	50.75	C/F
	mm	292	330	356	432	495	540	641	756	838	908	984	1073	1162	1289	C/F
(B₁) Ctr-Line to Top⁽³⁾ FT 40-42 - Bolted Cover	in	5.75	6.50	7.00	8.50	9.75	10.63	12.63	14.90	16.50	17.88	19.38	21.13	22.88	25.38	C/F
	mm	146	165	178	216	248	270	321	378	419	454	492	537	581	645	C/F
C Dimension Screen Removal	in	12.70	14.44	15.75	19.25	22.28	24.57	29.57	35.13	39.38	42.75	46.75	51.25	55.75	62.75	C/F
	mm	322	367	400	489	566	624	751	892	1000	1086	1188	1302	1416	1594	C/F
Approx. Weight: FT 40	lb	31.88	C/F	62.50	118.75	C/F	288.75	418.75	727.50	957.50	1367.50	1945.00	2412.50	3207.50	4875.00	C/F
	kg	14.50	C/F	28.35	53.86	C/F	131.00	190.00	330.00	434.32	620.30	882.24	1094.30	1454.90	2211.30	C/F
Approx. Weight: FT 41	lb	61.88	C/F	120.00	223.75	C/F	491.25	718.75	1202.50	1522.50	2235.00	3147.50	3800.00	4932.50	7317.50	C/F
	kg	28.10	C/F	54.43	101.50	C/F	222.82	326.02	545.50	690.60	1013.80	1427.70	1723.70	2237.34	3319.20	C/F

1. Dimensions and weights of the FT 40 Series are provided for reference only. Certified drawings are required for all Titan Fabrications.

2. Face to face values have a tolerance of ± 0.06 in (± 2.0 mm) for sizes 10" and lower and a tolerance of ± 0.12 in (± 3.0 mm) for sizes 12" and larger.

3. Center line to top dimension is to the top of the body flange. Quick open cover dimension is to the top of body housing.

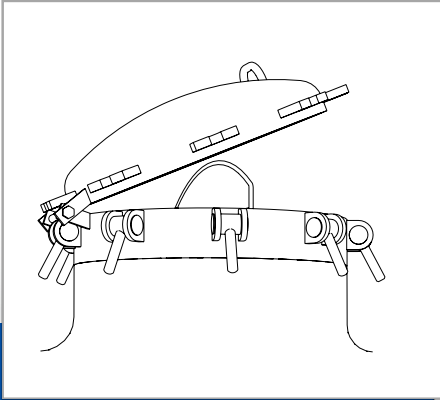
Titan FCI's fabricated products are made to each customer's unique specifications. Dimensions, materials, and all other product details referenced in this literature are general in nature. Some options may not be available in all sizes and/or models. Titan FCI reserves the right to make design and specification changes to improve the products without prior notification.

For exact product specifications, please consult the Titan FCI factory and request certified engineering drawings.

OPTIONS FOR FABRICATED PRODUCTS

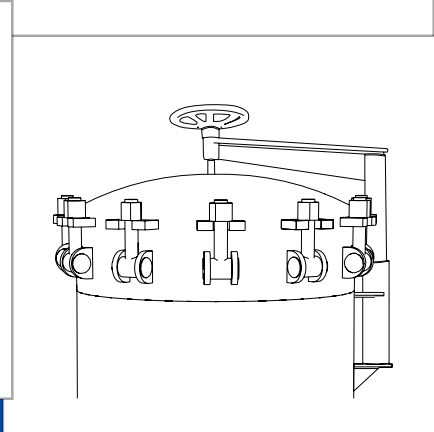
COVER OPTIONS - FABRICATED STRAINERS

Titan Flow Control, Inc. cover options are designed for various strainers types and sizes so that the straining element is accessible for cleaning and maintenance, an important concern especially with large strainers. To make sure that you choose the best cover for your application, ask a Titan Sales Representative or Engineer.



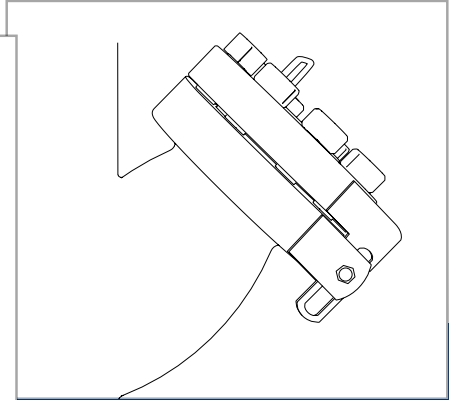
Hinged Cover (T-Bolt)

A **Hinged Cover** is a quick opening cover that is secured with bolts around the outside of the cover. Rotating on its hinge, this cover is easiest to maneuver when it is on a small strainer, in a vertical position, or on the bottom of the strainer.



Davit Cover Assembly

Davit Cover Assemblies mechanically aid in removing and replacing covers that would normally be too large for one operator to adjust unaccompanied. Lift davits also ensure that the cover is properly positioned and aligned with strainer.

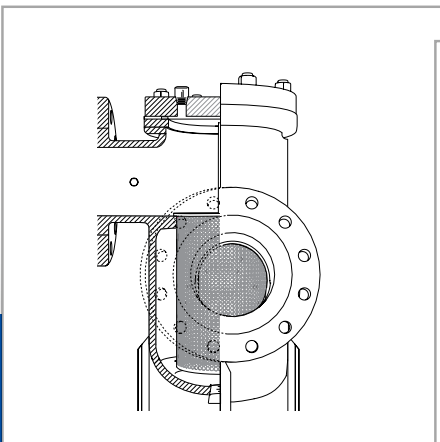


Bolted Slide Hinge Cover

With a **Bolted Slide Hinge Cover**, the cover slides slightly away from the strainer so it has clearance to rotate. Although these covers in small sizes may be removed by a single operator, a lifting eye is available to aid in removal of larger covers.

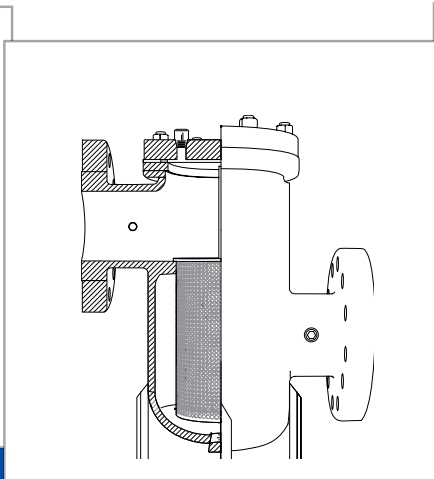
FLOW OPTIONS - FABRICATED STRAINERS

Titan Flow Control, Inc. offers various options for the placement of inlet and outlet nozzles in order to accommodate each unique piping system. Please contact the factory with your needs, questions, and concerns.



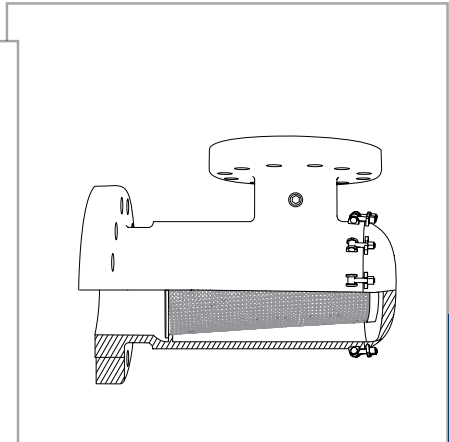
Right Angle Flow

Right Angle Flow fabricated strainers can be placed in a pipeline where it has a 90 degree corner, eliminating the need for a pipeline elbow.



Offset Flow

Offset Flow fabricated strainers can align with pipes at different levels.



Horizontal-Vertical Flow

Horizontal-Vertical Flow fabricated strainers accommodate piping systems in which the flow changes from horizontal to vertical.

▶ Contact Titan Flow Control, Inc. to learn about additional capabilities and information related to Titan's Fabricated Designs. This brochure is general in nature and is not a substitute for discussing your specific piping requirements with a Titan Sales Representative and obtaining certified engineering drawings.