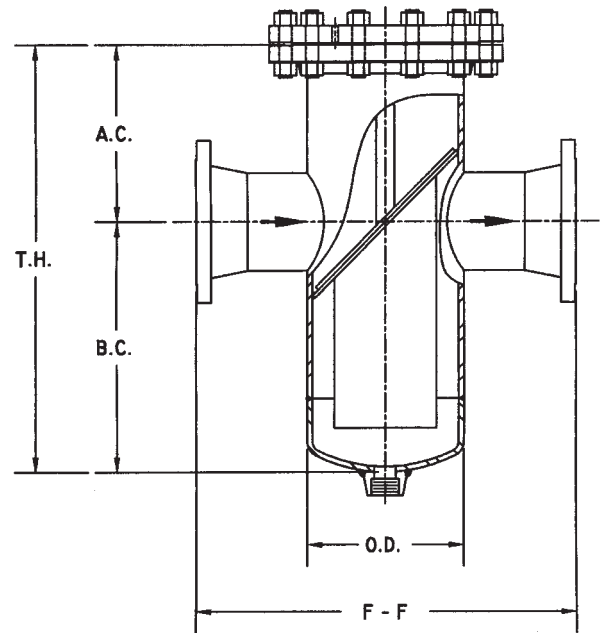


Vertical Basket Strainer

TYPE FV for Horizontal Pipe Run



**TYPE FV with Slope Top Basket
For Horizontal Pipe Run**

LINE SIZE	COMMON DIMENSIONS						BASKET SURFACE AREA (SQ.IN.)	BASKET OPEN AREA (SQ.IN.)	OPEN AREA RATIO*	LINE SIZE
	O.D.	F.F.	TH	BC**	AC**	DRAIN	FV	FV	FV	
2	4½	17	16	9	7	1	44	17.6	524%	2
3	6⅝	20	20	11	9	1	99	39.6	536%	3
4	8⅝	23	24	14	10	1½	207	82.8	650%	4
6	10¾	26	29	17	12	1½	330	132	457%	6
8	12¾	30	35	21	14	1½	509	204	408%	8
10	16	34	42	25	17	1½	792	317	402%	10
12	18	37	46	28	18	2	1034	414	366%	12
14	18	37	53	33	20	2	1232	493	358%	14
16	24	44	60	36	24	2	1885	754	413%	16
18	24	45	65	39	26	2	2073	829	355%	18
20	26	48	71	45	26	2	2512	1005	345%	20
24	30	56	95	64	31	2	4310	1724	406%	24
30	36	62	108	71	37	2	5938	2375	353%	30

*Based on Standard Basket perforated 1/8" diameter holes on 3/16" centers. Open Area and Open Area Ratio also applicable to perforated patterns 1/4" diameter holes on 3/8" centers and 3/8" diameter holes on 9/16" centers. Other patterns and wire mesh liners available. See Bulletin AC303.

All dimensions are in inches. **Larger line sizes available**

INFORMATION REQUIRED

1. Quantity
2. Flow Rate
3. Design pressure and temperature
4. Special Size Strainer (if other than standard, advise dimensions)
5. Line size and flange rating or beveled for welding
6. Wire cloth size (See Bulletin AC303) - under Strainer Design
7. Housing and basket material (Carbon steel is standard) - others are available
8. Special features



(918) 445-1141

(800) 331-3790

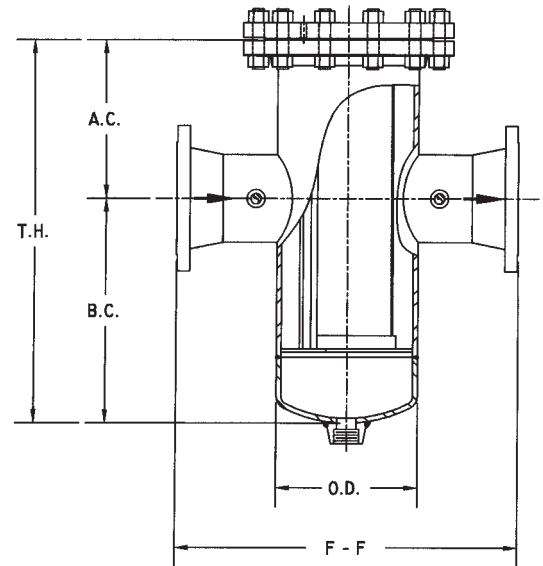
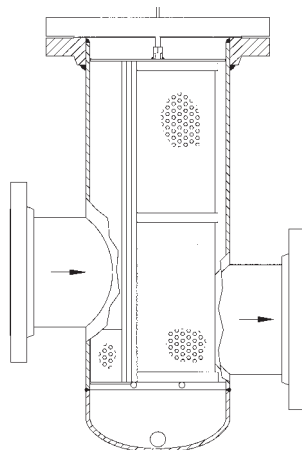
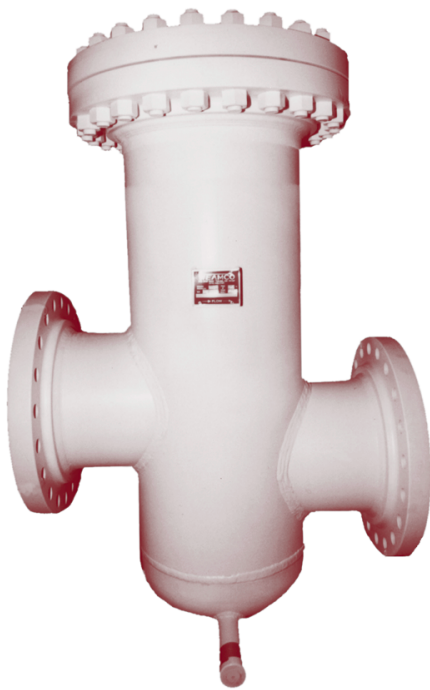
Fax: (918) 445-4617

Bulletin FV303

www.weamco.com

Vertical Basket Strainer

TYPE FT for Horizontal or Vertical Pipe



TYPE FT with Angle Basket for Horizontal or Vertical Pipe Run Available with offset nozzles.

LINE SIZE	COMMON DIMENSIONS						BASKET SURFACE AREA (SQ.IN.)	BASKET OPEN AREA (SQ.IN.)	OPEN AREA RATIO*	LINE SIZE
	O.D.	F.F.	TH	BC**	AC**	DRAIN	FT	FT	FT	
2	4½	17	16	9	7	1	66	26.4	787%	2
3	6⅝	20	20	11	9	1	140	56.0	758%	3
4	8⅝	23	24	14	10	1½	245	98.0	770%	4
6	10¾	26	29	17	12	1½	366	146	505%	6
8	12¾	30	35	21	14	1½	550	220	440%	8
10	16	34	42	25	17	1½	813	325	412%	10
12	18	37	46	28	18	2	1037	415	367%	12
14	18	37	53	33	20	2	1247	499	362%	14
16	24	44	60	36	24	2	2019	808	442%	16
18	24	45	65	39	26	2	2170	868	387%	18
20	26	48	71	45	26	2	2569	1028	369%	20
24	30	56	95	64	31	2	4055	1522	403%	24
30	36	62	108	71	37	2	5561	2224	342%	30

*Based on Standard Basket perforated 1/8" diameter holes on 3/16" centers. Open Area and Open Area Ratio also applicable to perforated patterns 1/4" diameter holes on 3/8" centers and 3/8" diameter holes on 9/16" centers. Other patterns and wire mesh liners available. See Bulletin AC303 or consult factory. **Larger line sizes available**

**Dimensions BC and AC for the Type FT Strainer are not firm and can be located at purchaser's option within the shell length or can be offset without changing the Basket Area.

All dimensions are in inches.



(918) 445-1141

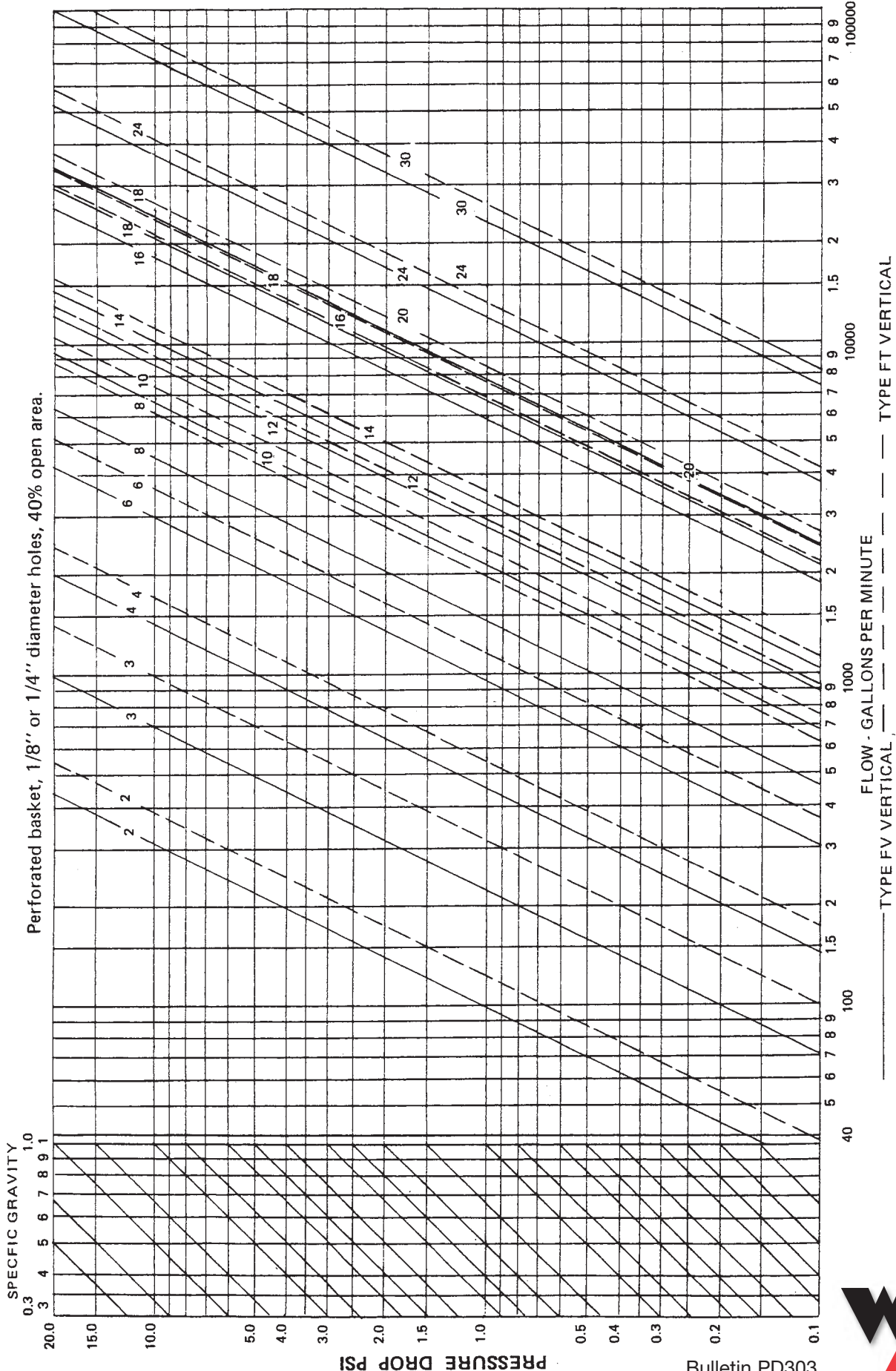
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Bulletin FT303

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Estimated Pressure Drop for FV & FT Strainers



CORRECTION FACTORS. MULTIPLY PRESSURE DROP BY:

VISCOSITY	PERFORATED 1/8" or 1/4" DIA.	WITH WIRE MESH LINER
SSU	Use Chart	40 mesh 60 mesh 80 mesh 100 mesh
30 (Water)	1.6	1.3 1.5 1.6 1.7
500	1.7	1.9 2.1 2.4 2.6
1,000	1.9	2.2 2.4 2.6 2.8
2,000	1.9	2.4 2.7 2.9 3.2

Example: A 6" line flowing 1,000 G.P.M. liquid with a specific gravity of 0.6. To find the pressure drop, enter the chart at 1,000 G.P.M. and intersect the line representing a 6" FV, and FT strainer. Read to the left for each type of fabricated strainer to intersection of S.G. = 1.0. Follow diagonal guide lines down to S.G. = 0.6. Read straight to the left for the corrected pressure drop. In the example the FV strainer would have a pressure drop of 0.65 P.S.I., the FT 0.45 P.S.I. The strainer selection would depend upon piping configuration and allowable pressure drop.

