

WRIGHT-AUSTIN TYPE TF VERTICAL SEPARATOR/FILTER

WRIGHT-AUSTIN TYPE TF SEPARATOR / FILTER

Size	Dimensions in Inches											Weight Pounds	
	A	B	C	D	E	F	G	J	K	L	Sep. Drain	175 PSI @ 450 °F	305 PSI @ 450 °F
2½	67	8	59	8 5/8	8	16	5 3/4	44	15	12	1	270	285
3	72	9	63	10 3/4	9	18	5 3/4	45	18	13	1½	375	390
4	79	10	69	12 3/4	10	20	5 3/4	47	22	14	1½	520	535
5	85	11	74	14	11	22	7 7/8	48	26	15	1½	620	650
6	92	12	80	16	12	24	7 7/8	50	30	16	1½	775	820
8	103	14	89	18	14	28	7 7/8	52	37	17	2	1055	1140
10	127	18	109	24	17	34	7 7/8	54	55	18	2	1625	1750
12	133	19	114	28	19	38	7 7/8	56	58	19	2½	1795	2140
14	140	22	118	32	21	42	7 7/8	58	60	20	2½	2345	3140
16	153	25	128	36	23½	47	7 7/8	60	68	21	3	3110	3960

Design

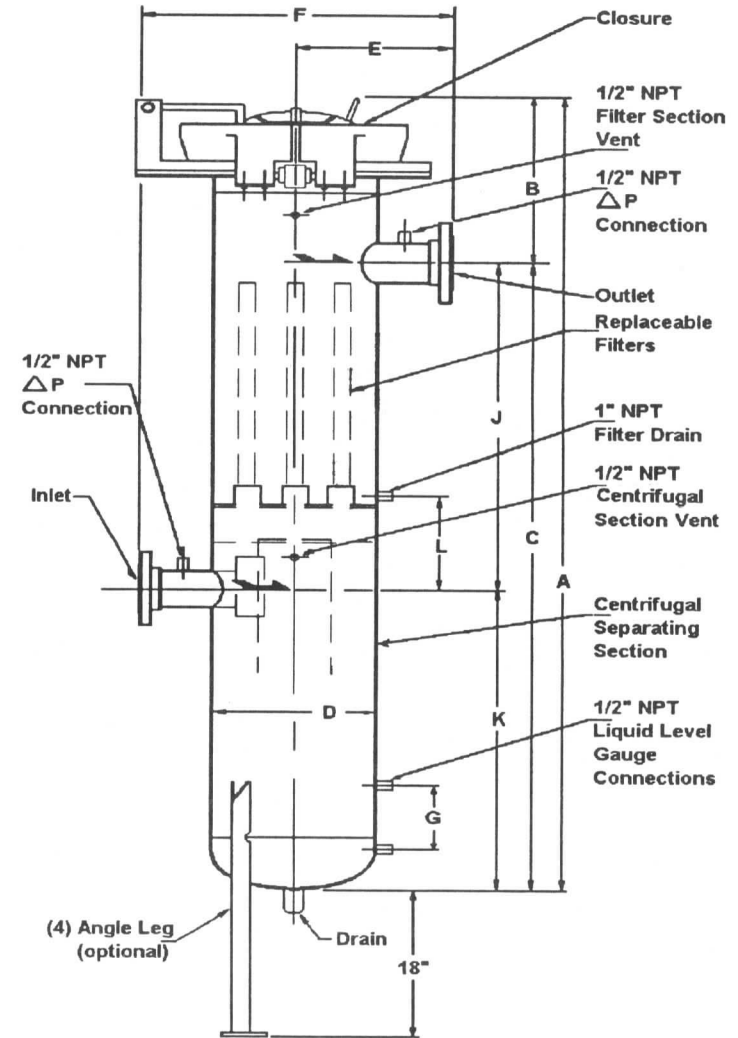
The Wright-Austin type TF separator/filter accomplishes separation in two stages. The first stage (centrifugal separator) removes slugs, heavy liquid loads, and 99% of all droplets and particles sized 10 microns and larger. The second stage (coalescing filters) can remove up to 99+% of droplets and particles sized 0.5 micron and larger. The efficiency of the second stage is dependent upon the filters installed.

Applications

The Wright-Austin Type TF separator/filter removes liquid droplets and solid particles from air or other gas flows. Although specially designed to efficiently eliminate droplets and particles as small as 0.5 microns, it is also suitable for moderately heavy liquid loads and small slugs. The Type TF is available in larger sizes and for higher pressures than those shown in the chart. The most common application is natural gas, but the Type TF is suitable for any application requiring extremely fine entrainment removal.

Materials and ASME Code Construction

The standard Wright-Austin type TF separator/filter is furnished in carbon steel. The filter elements are made of borosilicate microglass fibers, epoxy saturated, with a glass-matrix drain layer. All Wright-Austin Company vessels meet ASME Code, Section VIII, Division I. ASME "U" stamp is available.



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