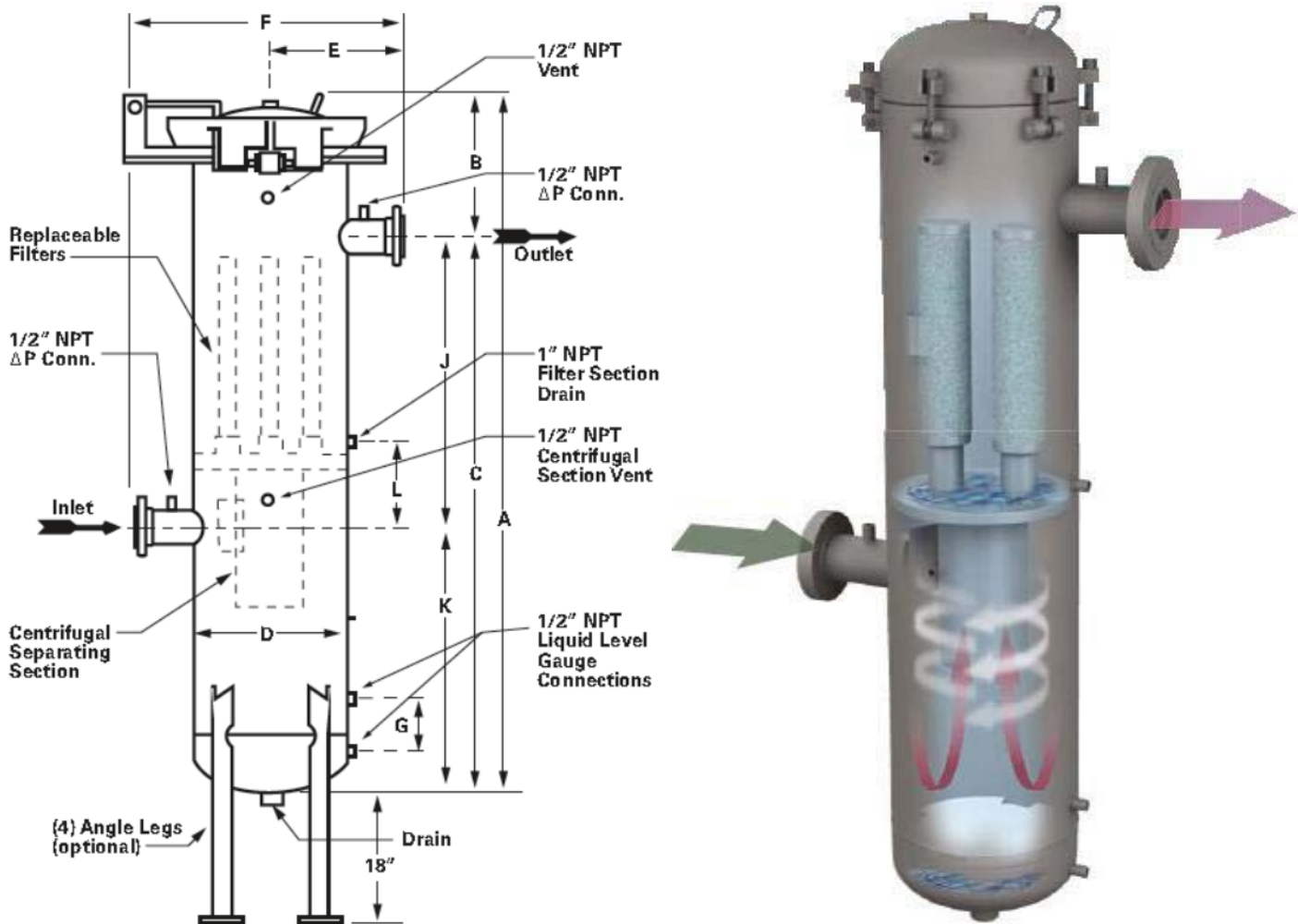


TYPE TF COALESCING GAS/LIQUID SEPARATORS

The type TF coalescing filter gas/liquid separator provides the finest droplet separator possible, a low as 0.30 microns with 99% efficiency. As with our other coalescer style separators, this separator has two separation stages. The 1st stage is the typical cyclonic separation of entrained droplets and particles larger than 10 microns in diameter with 99% efficiency. The 2nd stage consists of multiple epoxy saturated borosilicate micro glass fiber filter cartridges which coalesce fine droplets to a common drain and entrap fine particles. The separation retention is dependent upon the filter cartridges used, ranging from a low of 0.30 microns to 3 microns. Unlike our single stage gas/liquid separators which require zero maintenance, the filter cartridges used in this design may require periodic replacement if particulate is entrapped within the cartridge media. The multiple cartridges, internal sealing points and hinged cover design contribute to a relatively high cost compared to the 5 micron coalescing separators and standard 10-micron separation for the single stage designs.

A fully welded pressure vessel fabricated to ASME Code Section VIII Division 1 with stamp, they are fabricated from carbon steel and stainless steel. Customizations include support legs, additional ports and non-flanged connections.



DIMENSIONS IN INCHES												WEIGHT IN LBS (@ 450°F)	
SIZE	A	B	C	D	E	F	G	J	K	L	DRAIN	175 PSIG	305 PSIG
2	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	1 ¹ / ₂	375	390
4	79	10	69	12 ³ / ₄	10	20	5 ³ / ₄	47	22	14	1 ¹ / ₂	520	535
5	85	11	74	14	11	22	7 ⁷ / ₈	48	26	15	1 ¹ / ₂	620	650
6	92	12	80	16	12	24	7 ⁷ / ₈	50	30	16	1 ¹ / ₂	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	2 ¹ / ₂	1795	2140
14	140	22	118	32	21	42	7 ⁷ / ₈	58	60	20	2 ¹ / ₂	2345	3140
16	153	25	128	36	23	47	7 ⁷ / ₈	60	68	21	3	3110	3960