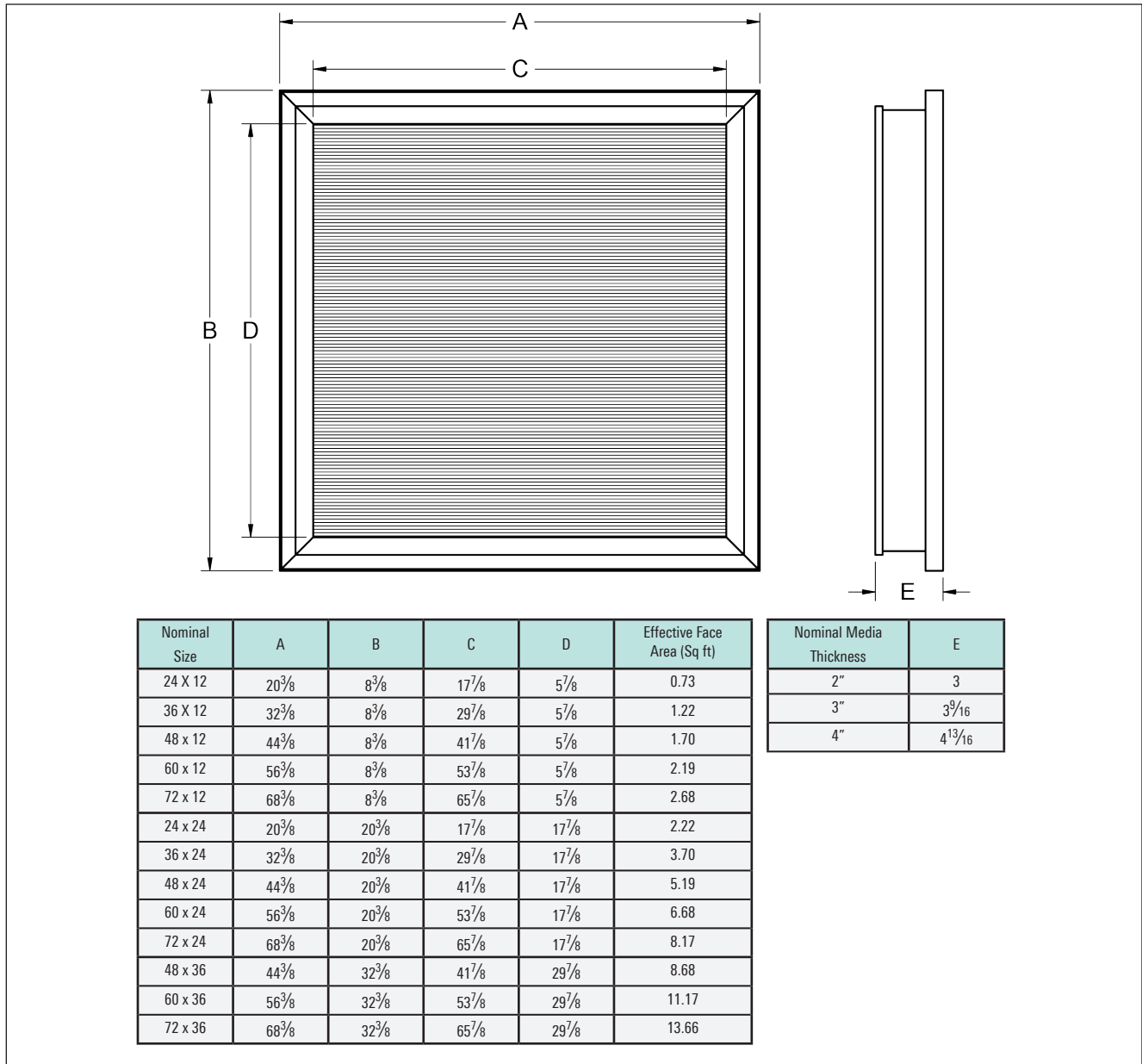


HEPA-R FILTER



FILTER SPECIFICATIONS

- Titus HEPA-R filters are designed specifically to fit the Titus TLF-RA and TLF-SS diffusers
- This filter model is not compatible with TLF-AA, TLF-SS, RadiaTec-AL, and RadiaTec-SS models equipped with HEPA rack option
- Filter efficiency is 99.99% with 0.3 micron particles per standard: IEST-RP-CC-001 (Institute of Environmental Science & Technology). Tested in accordance with IEST-RP-CC-034.
- Frame material is extruded anodized aluminum
- Filter is equipped with an expanded metal grille
- Filter has a downstream gel seal to mate with diffuser HEPA knife edge. Gel seal material is self-healing non-flowing urethane.
- Filter media available in 2", 3" and 4" thick configurations
- Filter is constructed of fire-rated materials and meets UL-900 and UL 586 classifications
- The filter maximum operating temperature is 250°F, and the maximum relative humidity (R.H.) is 100%
- Filters are non-hygroscopic

HEPA-R FILTER WITH 2" MEDIA PACK THICKNESS

Nominal Filter Size										
24 x 12	CFM	6	7	11	15	19	22	30	37	44
	Pressure	0.04	0.04	0.07	0.09	0.12	0.14	0.19	0.23	0.28
36 x 12	CFM	10	13	20	26	33	40	53	66	79
	Pressure	0.04	0.05	0.08	0.10	0.12	0.15	0.20	0.25	0.30
48 x 12	CFM	14	19	28	38	47	56	75	94	113
	Pressure	0.04	0.05	0.08	0.10	0.13	0.15	0.20	0.25	0.30
60 x 12	CFM	18	25	37	49	62	74	98	123	148
	Pressure	0.04	0.05	0.08	0.10	0.13	0.16	0.21	0.26	0.31
72 x 12	CFM	23	30	46	61	76	91	122	152	182
	Pressure	0.04	0.05	0.08	0.10	0.13	0.16	0.21	0.26	0.31
24 x 24	CFM	25	33	50	66	83	100	133	166	200
	Pressure	0.05	0.07	0.10	0.14	0.17	0.21	0.28	0.34	0.42
36 x 24	CFM	44	59	88	118	147	176	235	295	353
	Pressure	0.05	0.07	0.11	0.15	0.18	0.22	0.29	0.37	0.44
48 x 24	CFM	63	85	127	170	212	254	338	423	508
	Pressure	0.06	0.08	0.11	0.15	0.19	0.22	0.30	0.37	0.45
60 x 24	CFM	83	110	166	221	276	331	442	552	663
	Pressure	0.06	0.08	0.11	0.15	0.19	0.23	0.30	0.38	0.46
72 x 24	CFM	102	136	204	272	340	409	545	681	817
	Pressure	0.06	0.08	0.11	0.15	0.19	0.23	0.31	0.38	0.46
48 x 36	CFM	113	150	226	301	376	451	601	752	902
	Pressure	0.06	0.08	0.12	0.16	0.20	0.24	0.32	0.40	0.48
60 x 36	CFM	147	196	294	392	490	589	785	981	1177
	Pressure	0.06	0.08	0.12	0.16	0.20	0.24	0.32	0.40	0.48
72 x 36	CFM	181	242	353	484	605	725	967	1210	1450
	Pressure	0.06	0.08	0.12	0.16	0.20	0.24	0.33	0.41	0.49

- Pressure loss values listed above are measured in inches of water gauge (w.g.)
- Pressure loss value listed is the initial resistance of a unused filter only. This value must be added to the diffuser (TLFR) pressure drop to determine the total pressure drop.

HEPA-R FILTER WITH 3" MEDIA PACK THICKNESS

Nominal Filter Size										
24 x 12	CFM	6	7	11	15	19	22	30	37	44
	Pressure	0.03	0.03	0.05	0.07	0.09	0.10	0.14	0.17	0.21
36 x 12	CFM	10	13	20	26	33	40	53	66	79
	Pressure	0.03	0.04	0.06	0.07	0.09	0.11	0.15	0.18	0.22
48 x 12	CFM	14	19	28	38	47	56	75	94	113
	Pressure	0.03	0.04	0.06	0.08	0.09	0.11	0.15	0.19	0.23
60 x 12	CFM	18	25	37	49	62	74	98	123	148
	Pressure	0.03	0.04	0.06	0.08	0.10	0.11	0.15	0.19	0.23
72 x 12	CFM	23	30	46	61	76	91	122	152	182
	Pressure	0.03	0.04	0.06	0.08	0.10	0.12	0.15	0.19	0.23
24 x 24	CFM	25	33	50	66	83	100	133	166	200
	Pressure	0.04	0.05	0.08	0.10	0.13	0.15	0.20	0.25	0.31
36 x 24	CFM	44	59	88	118	147	176	235	295	353
	Pressure	0.04	0.05	0.08	0.11	0.13	0.16	0.22	0.27	0.32
48 x 24	CFM	63	85	127	170	212	254	338	423	508
	Pressure	0.04	0.06	0.08	0.11	0.14	0.17	0.22	0.28	0.33
60 x 24	CFM	83	110	166	221	276	331	442	552	663
	Pressure	0.04	0.06	0.08	0.11	0.14	0.17	0.22	0.28	0.34
72 x 24	CFM	102	136	204	272	340	409	545	681	817
	Pressure	0.04	0.06	0.08	0.11	0.14	0.17	0.23	0.28	0.34
48 x 36	CFM	113	150	226	301	376	451	601	752	902
	Pressure	0.04	0.06	0.09	0.12	0.15	0.18	0.24	0.29	0.35
60 x 36	CFM	147	196	294	392	490	589	785	981	1177
	Pressure	0.04	0.06	0.09	0.12	0.15	0.18	0.24	0.30	0.36
72 x 36	CFM	181	242	353	484	605	725	967	1210	1450
	Pressure	0.05	0.06	0.09	0.12	0.15	0.18	0.24	0.30	0.36

- Pressure loss values listed above are measured in inches of water gauge (w.g.)
- Pressure loss value listed is the initial resistance of a unused filter only. This value must be added to the diffuser (TLFR) pressure drop to determine the total pressure drop.

HEPA-R FILTER WITH 4" MEDIA PACK THICKNESS

Nominal Filter Size										
24 x 12	CFM	6	7	11	15	19	22	30	37	44
	Pressure	0.02	0.03	0.04	0.06	0.08	0.09	0.12	0.15	0.18
36 x 12	CFM	10	13	20	26	33	40	53	66	79
	Pressure	0.02	0.03	0.05	0.06	0.08	0.10	0.13	0.16	0.19
48 x 12	CFM	14	19	28	38	47	56	75	94	113
	Pressure	0.02	0.03	0.05	0.06	0.08	0.10	0.13	0.16	0.19
60 x 12	CFM	18	25	37	49	62	74	98	123	148
	Pressure	0.02	0.03	0.05	0.06	0.08	0.10	0.13	0.16	0.20
72 x 12	CFM	23	30	46	61	76	91	122	152	182
	Pressure	0.02	0.03	0.05	0.07	0.08	0.10	0.13	0.16	0.20
24 x 24	CFM	25	33	50	66	83	100	133	166	200
	Pressure	0.03	0.04	0.07	0.09	0.11	0.13	0.17	0.22	0.26
36 x 24	CFM	44	59	88	118	147	176	235	295	353
	Pressure	0.03	0.05	0.07	0.09	0.12	0.14	0.18	0.23	0.28
48 x 24	CFM	63	85	127	170	212	254	338	423	508
	Pressure	0.04	0.05	0.07	0.09	0.12	0.14	0.19	0.24	0.28
60 x 24	CFM	83	110	166	221	276	331	442	552	663
	Pressure	0.04	0.05	0.07	0.10	0.12	0.14	0.19	0.24	0.29
72 x 24	CFM	102	136	204	272	340	409	545	681	817
	Pressure	0.04	0.05	0.07	0.10	0.12	0.15	0.19	0.24	0.29
48 x 36	CFM	113	150	226	301	376	451	601	752	902
	Pressure	0.04	0.05	0.08	0.10	0.13	0.15	0.20	0.25	0.30
60 x 36	CFM	147	196	294	392	490	589	785	981	1177
	Pressure	0.04	0.05	0.08	0.10	0.13	0.15	0.20	0.25	0.31
72 x 36	CFM	181	242	353	484	605	725	967	1210	1450
	Pressure	0.04	0.05	0.07	0.10	0.13	0.15	0.21	0.26	0.31

- Pressure loss values listed above are measured in inches of water gauge (w.g.)
- Pressure loss value listed is the initial resistance of a unused filter only. This value must be added to the diffuser (TLFR) pressure drop to determine the total pressure drop.