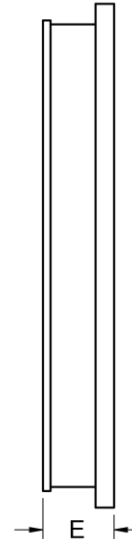
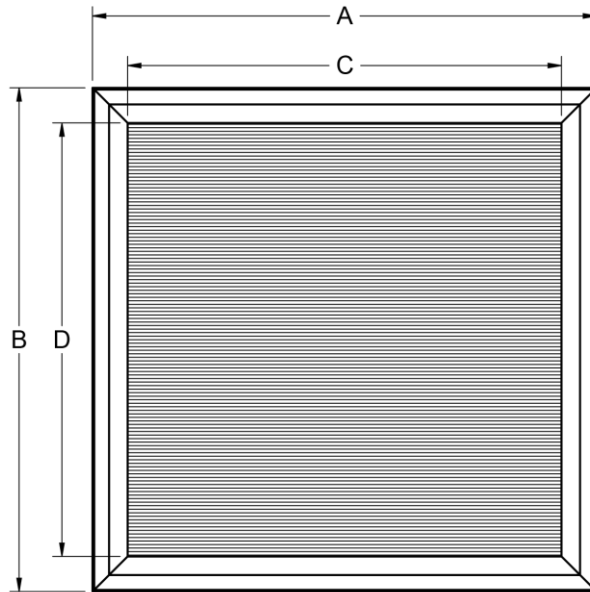


HEPA-R Filter

For Use with TLFR Diffusers



24" x 24" nominal size filter shown

Nominal Size	A	B	C	D	Effective Face Area (Sq Ft)
24 X 12	20 3/8	8 3/8	17 7/8	5 7/8	0.73
36 X 12	32 3/8	8 3/8	29 7/8	5 7/8	1.22
48 x 12	44 3/8	8 3/8	41 7/8	5 7/8	1.70
60 x 12	56 3/8	8 3/8	53 7/8	5 7/8	2.19
72 x 12	68 3/8	8 3/8	65 7/8	5 7/8	2.68
24 x 24	20 3/8	20 3/8	17 7/8	17 7/8	2.22
36 x 24	32 3/8	20 3/8	29 7/8	17 7/8	3.70
48 x 24	44 3/8	20 3/8	41 7/8	17 7/8	5.19
60 x 24	56 3/8	20 3/8	53 7/8	17 7/8	6.68
72 x 24 ¹	68 3/8	20 3/8	65 7/8	17 7/8	8.17
48 x 36	44 3/8	32 3/8	41 7/8	29 7/8	8.68
60 x 36 ¹	56 3/8	32 3/8	53 7/8	29 7/8	11.17
72 x 36 ¹	68 3/8	32 3/8	65 7/8	29 7/8	13.66

Nominal Media Thickness	E
2"	3
3"	3 9/16
4"	4 13/16

Note:

1. Where indicated, filters of these sizes are manufactured with a center board parallel to the short dimension.

Dimensions are in inches

Filter Specifications

- Titus HEPA-R filters are designed specifically to fit the TLFR-AA and TLFR-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
- Refer to chart on subsequent pages of submittal for pressure drop values.

This submittal is meant to demonstrate general dimensions of this product. The drawings are not meant to detail every aspect of the product. Drawings are not to scale.

Titus reserves the right to make changes without written notice.

HEPA 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 is for an unused filter only. This value must be added to the diffuser (TLF or RadiaTec) pressure drop to determine total pressure.

This submittal is meant to demonstrate general dimensions of this product. The drawings are not meant to detail every aspect of the product. Drawings are not to scale.

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HEPA 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 is for an unused filter only. This value must be added to the diffuser (TLF or RadiaTec) pressure drop to determine total pressure.

This submittal is meant to demonstrate general dimensions of this product. The drawings are not meant to detail every aspect of the product. Drawings are not to scale.

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HEPA 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 is for an unused filter only. This value must be added to the diffuser (TLF or RadiaTec) pressure drop to determine total pressure.