



Air Filters

RIGID-PAC

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EXCELAIR RIGID-PAC



HIGH EFFICIENCY RIGID
BOX FILTER | MEDIUM & FINE











Features & Benefits | RIGID-PAC

- Suitable for variable air volume (VAV) Systems and turbulent airflow applications
- Rigid design concept for improved performance and durability
- Available in a range of standard sizes
- The Aerodynamic filter design by radial V-pleats with die cut pleat stabilizers resulting in a rigid and stable filter.
- Consistent performance under various operating conditions
- The deep pleated media pack is encased in metal frame and all the four edges of media are bonded to the frame to ensure a leak free operation
- Replaces traditional pocket and box type filters

Specifications | RIGID-PAC

Type	Extended surface deep pleated filter
Filter Grades (EN 779)	M6/F6, F7, F8, F9
Filter Grades (As per ASHRAE 52.2)	MERV 12, MERV 13, MERV 14, MERV 15
Filter Media	Synthetic
Media Support	Expanded Metal Mesh
Frame	GI / SS / Al
Maximum Temperature	80 °C
Recommended Final Pressure Drop	1.50" wg
Flammability	UL 900 Classified

Applications | RIGID-PAC

-  Hospital
-  Biomedical
-  Pharmaceutical
-  Biotechnology
-  Universities
-  Laboratories
-  Food processing
-  Hospitality Industry
-  Photo processing
-  Kitchen Exhaust Systems

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Selection Chart | RIGID-PAC

Model Reference	Actual Dimensions (inches)			Filter Classification		Airflow		Initial Pressure Drop (Inch W.G)		Media Area (Sq.ft.)	
	Width	Height	Depth	EN 779	ASHRAE 52.2	CFM	CMH	Header	Box	Header	Box
ERPF-12x24x12-(HDR/BX)-F9	11.30	23.30	11.50	F9	MERV 15	1000	1700	0.53	0.49	27	33
ERPF-24x12x12-(HDR/BX)-F9	23.30	11.30	11.50	F9	MERV 15	1000	1700	0.53	0.49	27	33
ERPF-20x20x12-(HDR/BX)-F9	19.30	19.30	11.50	F9	MERV 15	1400	2375	0.53	0.49	39	46
ERPF-20x24x12-(HDR/BX)-F9	19.30	23.30	11.50	F9	MERV 15	1665	2830	0.53	0.49	48	54
ERPF-24x24x12-(HDR/BX)-F9	23.30	23.30	11.50	F9	MERV 15	2000	3400	0.53	0.49	57	66
ERPF-12x24x6-(HDR/BX)-F9	11.30	23.30	5.90	F9	MERV 15	500	850	0.53	0.49	13.50	16.75
ERPF-24x12x6-(HDR/BX)-F9	23.30	11.30	5.90	F9	MERV 15	500	850	0.53	0.49	14	17.5
ERPF-20x20x6-(HDR/BX)-F9	19.30	19.30	5.90	F9	MERV 15	700	1187	0.53	0.49	20	23.5
ERPF-20x24x6-(HDR/BX)-F9	19.30	23.30	5.90	F9	MERV 15	835	1415	0.53	0.49	24	28
ERPF-24x24x6-(HDR/BX)-F9	23.30	23.30	5.90	F9	MERV 15	1000	1700	0.53	0.49	29	33
ERPF-12x24x12-(HDR/BX)-F8	11.30	23.30	11.50	F8	MERV 14	1000	1700	0.46	0.44	27	33
ERPF-24x12x12-(HDR/BX)-F8	23.30	11.30	11.50	F8	MERV 14	1000	1700	0.46	0.44	27	33
ERPF-20x20x12-(HDR/BX)-F8	19.30	19.30	11.50	F8	MERV 14	1400	2375	0.46	0.44	39	46
ERPF-20x24x12-(HDR/BX)-F8	19.30	23.30	11.50	F8	MERV 14	1665	2830	0.46	0.44	48	54
ERPF-24x24x12-(HDR/BX)-F8	23.30	23.30	11.50	F8	MERV 14	2000	3400	0.46	0.44	57	66
ERPF-12x24x6-(HDR/BX)-F8	11.30	23.30	5.90	F8	MERV 14	500	850	0.46	0.44	13.50	16.75
ERPF-24x12x6-(HDR/BX)-F8	23.30	11.30	5.90	F8	MERV 14	500	850	0.46	0.44	14	17.5
ERPF-20x20x6-(HDR/BX)-F8	19.30	19.30	5.90	F8	MERV 14	700	1187	0.46	0.44	20	23.5
ERPF-20x24x6-(HDR/BX)-F8	19.30	23.30	5.90	F8	MERV 14	835	1415	0.46	0.44	24	28
ERPF-24x24x6-(HDR/BX)-F8	23.30	23.30	5.90	F8	MERV 14	1000	1700	0.46	0.44	29	33
ERPF-12x24x12-(HDR/BX)-F7	11.30	23.30	11.50	F7	MERV 13	1000	1700	0.36	0.35	27	33
ERPF-24x12x12-(HDR/BX)-F7	23.30	11.30	11.50	F7	MERV 13	1000	1700	0.36	0.35	27	33
ERPF-20x20x12-(HDR/BX)-F7	19.30	19.30	11.50	F7	MERV 13	1400	2375	0.36	0.35	39	46
ERPF-20x24x12-(HDR/BX)-F7	19.30	23.30	11.50	F7	MERV 13	1665	2830	0.36	0.35	48	54
ERPF-24x24x12-(HDR/BX)-F7	23.30	23.30	11.50	F7	MERV 13	2000	3400	0.36	0.35	57	66
ERPF-12x24x6-(HDR/BX)-F7	11.30	23.30	5.90	F7	MERV 13	500	850	0.36	0.35	13.50	16.75
ERPF-24x12x6-(HDR/BX)-F7	23.30	11.30	5.90	F7	MERV 13	500	850	0.36	0.35	14	17.5
ERPF-20x20x6-(HDR/BX)-F7	19.30	19.30	5.90	F7	MERV 13	700	1187	0.36	0.35	20	23.5
ERPF-20x24x6-(HDR/BX)-F7	19.30	23.30	5.90	F7	MERV 13	835	1415	0.36	0.35	24	28
ERPF-24x24x6-(HDR/BX)-F7	23.30	23.30	5.90	F7	MERV 13	1000	1700	0.36	0.35	29	33
ERPF-12x24x12-(HDR/BX)-F6	11.30	23.30	11.50	F6	MERV 12	1000	1700	0.30	0.29	27	33
ERPF-24x12x12-(HDR/BX)-F6	23.30	11.30	11.50	F6	MERV 12	1000	1700	0.30	0.29	27	33
ERPF-20x20x12-(HDR/BX)-F6	19.30	19.30	11.50	F6	MERV 12	1400	2375	0.30	0.29	39	46
ERPF-20x24x12-(HDR/BX)-F6	19.30	23.30	11.50	F6	MERV 12	1665	2830	0.30	0.29	48	54
ERPF-24x24x12-(HDR/BX)-F6	23.30	23.30	11.50	F6	MERV 12	2000	3400	0.30	0.29	57	66
ERPF-12x24x6-(HDR/BX)-F6	11.30	23.30	5.90	F6	MERV 12	500	850	0.30	0.29	13.50	16.75
ERPF-24x12x6-(HDR/BX)-F6	23.30	11.30	5.90	F6	MERV 12	500	850	0.30	0.29	14	17.5
ERPF-20x20x6-(HDR/BX)-F6	19.30	19.30	5.90	F6	MERV 12	700	1187	0.30	0.29	20	23.5
ERPF-20x24x6-(HDR/BX)-F6	19.30	23.30	5.90	F6	MERV 12	835	1415	0.30	0.29	24	28
ERPF-24x24x6-(HDR/BX)-F6	23.30	23.30	5.90	F6	MERV 12	1000	1700	0.30	0.29	29	33

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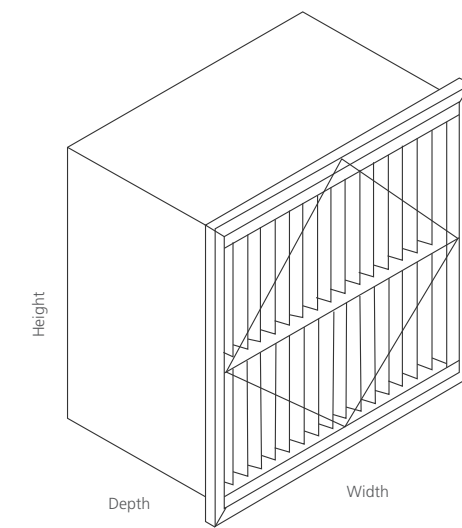
Model Ref. Numbering Scheme | RIGID-PAC

ERPF-20x24x4-(HDR/BX)-F7

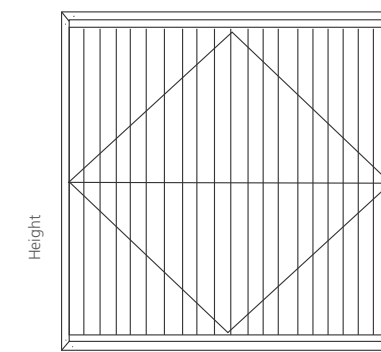
- E : Excelair
- RPF : RIGID PAC FILTER
- 20x24x4 : Width x Height x Depth
- HDR / BX : Header / Box Type Construction
- F7 : Grade

Size Selection | RIGID-PAC

HEADER TYPE CONFIGURATION

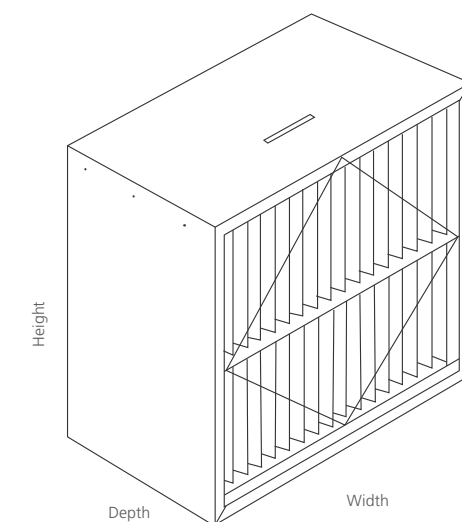


General Isometric view

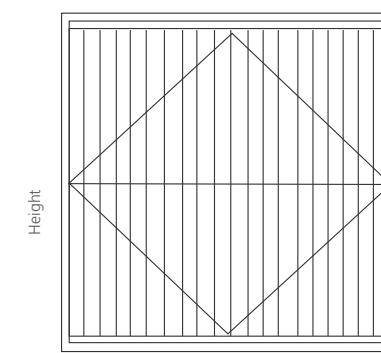


Front View

BOX TYPE CONFIGURATION:



General Isometric view



Front View

