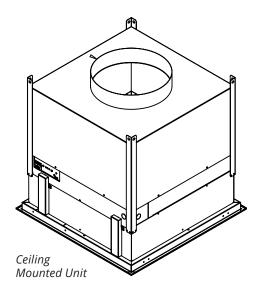
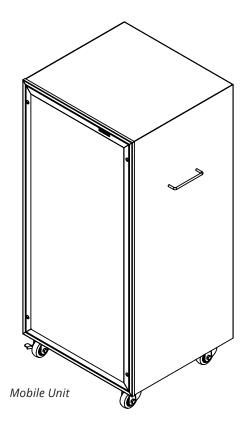
Fan Filter Unit. Reverse Flow







INTRODUCTION

Krueger's new reverse-flow fan filter unit is the perfect choice for hospital isolation rooms housing patients suffering from highly contagious diseases. It works by creating a negative pressure environment that removes air from an isolation room, cleans it via the unit's built-in HEPA filter, and keeps airborne contaminants from escaping back into the room. The unit can be mounted in the ceiling or provided as a rolling mobile version. The mobile unit includes built-in, heavy-duty swivel casters with brakes, allowing it to be moved easily from location to location as the facility requires.

MODELS

RFCRFF-E-ARSM - Reverse flow fan filter unit with HEPA filter and room side access to EC motor and filter

FEATURES

- 304 stainless steel construction
- Sizes: 24" x 24" or 24" x 48"
- 51% free area, perforated face
- · Adjustable face control
- Roomside accessible pre-filter, filter, motor, and backward curved composite impeller
- High Efficiency Particulate Air (HEPA) filter: 99.99% @ 0.3 micron, type J
- EC brushless DC motor, providing constant airflow over a wide range of external static pressures
- 10ft hospital grade cord with plug
- Push/pull handle *
- 4 swivel casters (2) with brakes *
- Standard finish: #90 Satin Polished
- Meets IEST-RP CC001.5 and IEST-RP-CC0034.3 leak testing
- · UL listed with Standard UL 900
- * Available with mobile unit only.

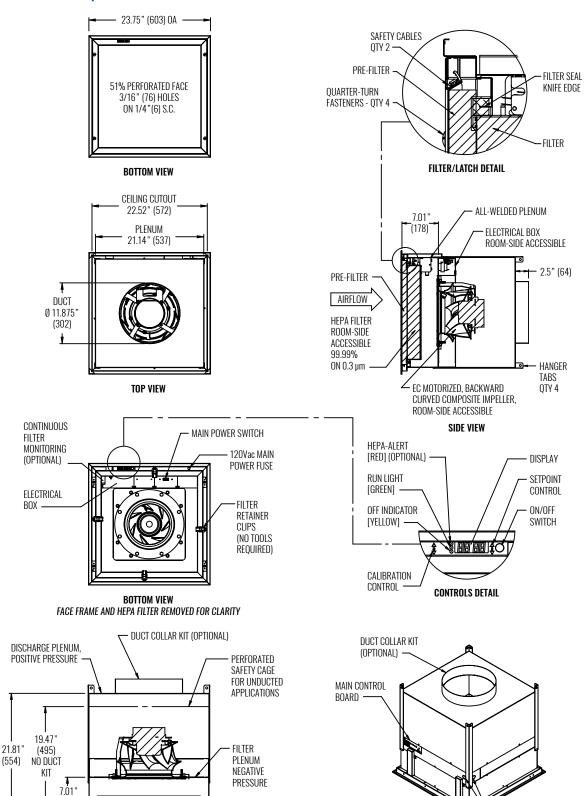
OPTIONS

- Ultra-Low Penetration Air (ULPA) filter: 99.9995% @ 0.12 micron, Type F
- Round duct collar adapter
- Extruded aluminum plaster frame for hard ceilings (Model 5HCF23, ordered separately.)
- 120, 208/240, 277 V EC motors
- Wall mounted controller



Fan Filter Unit. Reverse Flow

DIMENSIONAL DATA | CEILING UNIT



SIDE VIEW

(178)

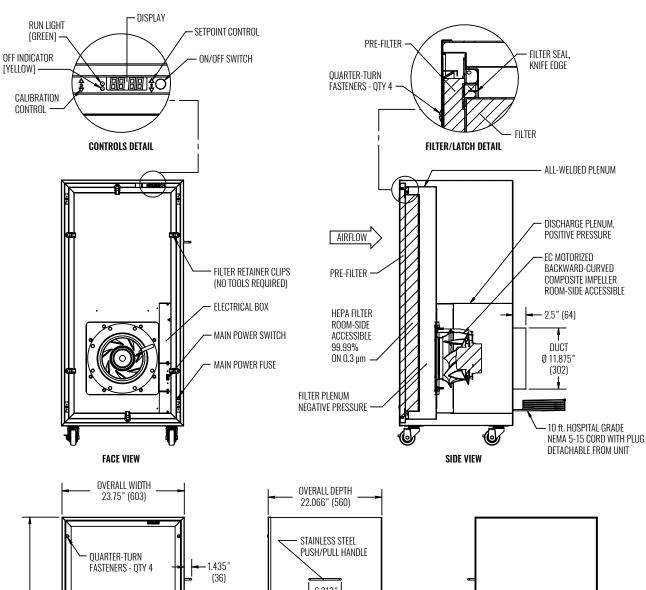
LINE-IN KNOCKOUT

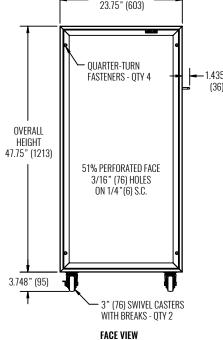
ISOMETRIC VIEW

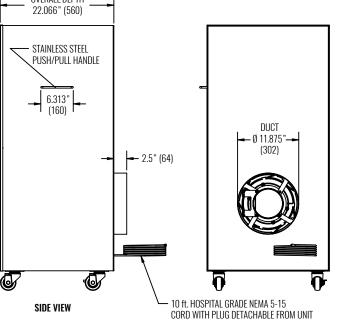
Fan Filter Unit, Reverse Flow



DIMENSIONAL DATA | MOBILE UNIT







BACK VIEW

Cobylight Kideger 201



Fan Filter Unit, Reverse Flow

PERFORMANCE DATA | CEILING UNIT | 24"x24" UNIT PERFORMANCE DATA | MOBILE UNIT | 48"x24" UNIT

HEPA FILTER*, 120VAC								
SETPOINT	CFM	WATTS	RPM					
100%	505	192	2090					
90%	428	148	1881					
80%	355	101	1672					
70%	278	69	1463					
60%	205	50	1254					
50%	138	33	1045					
40%	85	22	836					
30%	40	15	627					
20%	15	11	418					

HEPA FILTER*, 120VAC								
SETPOINT	CFM	WATTS	RPM					
100%	930	237	2090					
90%	806	174	1881					
80%	672	120	1672					
70%	545	81	1463					
60%	415	50	1254					
50%	292	32	1045					
40%	183	17	836					
30%	104	12	627					
20%	34	8	418					

PERFORMANCE DATA | CEILING UNIT | 48"x24" UNIT

HEPA FILTER*, 208-277VAC								
SETPOINT	CFM	WATTS	RPM					
100%	1125	365	2450					
90%	1004	274	2205					
80%	848	195	1960					
70%	708	127	1715					
60%	545	81	1470					
50%	395	48	1225					
40%	260	26	980					
30%	141	14	735					
20%	56	8	490					

12" ROUND DISCHARGE ADAPTER, HEPA FILTER*, 208-277VAC								
SETPOINT	CFM	WATTS	RPM					
100%	950	345	2450					
90%	850	262	2205					
80%	729	184	1960					
70%	590	122	1715					
60%	454	76	1470					
50%	334	43	1225					
40%	237	25	980					
30%	134	14	735					
20%	55	8	490					

HEPA FILTER*, 120VAC							
SETPOINT	CFM	RPM					
100%	930	237	2090				
90%	806	174	1881				
80%	672	120	1672				
70%	545	81	1463				
60%	415	50	1254				
50%	292	32	1045				
40%	183	17	836				
30%	104	12	627				

12" ROUND DISCHARGE ADAPTER, HEPA FILTER*, 120VAC							
SETPOINT	CFM	WATTS	RPM				
100%	785	218	2090				
90%	687	164	1881				
80%	563	110	1672				
70%	454	76	1463				
60%	350	46	1254				
50%	272	30	1045				
40%	174	17	836				
30%	98	12	627				
20%	34	8	418				

NOTES: Data was derived from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991. * Data is for diffusers with clean filters. Filters may be operated up to a final resistance of 2" w.g. (500 Pa).

418

20%

Fan Filter Unit, Reverse Flow



SOUND DATA | 48"x24" UNIT

DATA COLLECTED AT 277VAC														
BACKWARD INCLINED FAN UNIT				OCTAVE BAND FREQUENCY										
VELOCITY	DISTANCE From Face	Hz	dBA	COMMAND VDC	LAEQ	NC	1	2	3	4	5	6	7	8
70	30"	500	57.48	5.7	57.48	55	58	61	54	58	52	47	37	23
80	30"	500	58.81	5.8	58.81	57	62	63	55	59	53	49	39	24
90	30"	500	60.73	6.1	60.73	59	58	62	58	61	55	51	41	27
100	30"	500	61.8	6.3	61.8	60	65	62	58	62	56	52	43	31
110	30"	500	62.98	6.5	62.98	60	60	66	60	63	58	53	45	31



Fan Filter Unit. Reverse Flow

SUGGESTED SPECIFICATION & CONFIGURATION

1. SERIES: (XXXXXX-X-XXXX)

RFCRFF-E-ARSM - Reverse Flow Fan Filter Unit with HEPA Filter (Ceiling Mounted Unit)

2. MOTOR: (X)

- 4 120V EC Motor
- 5 208/240V EC Motor
- 6 277V EC Motor

3. CONTROL TYPE: (X)

1 - Adjustable Face Control

4. FRAME: (XXX)

F23 - Lay-in T-Bar

5. PANEL: (XX)x(XX)

24"x24" 24"x48"

6. FILTER: (XXXX)

HEPA - 99.99% @ 0.3 Micron ULPA - 99.9995% @ 0.12 Micron

7. INSULATION: (X)

I - External 1.5" Foil Backed

8. ACCESSORIES: (XX) (XX) (XX)

00 - None

PM - Constant Filter Monitoring

PL - Filter Pressure Light

03 - Challenge / Pressure Ports

9. FINISH: (XX)

90 - 304 SS Casing with 304 SS Diffuser Screen, Polished Satin

4A - Antimicrobial White

1. SERIES: (XXXXXXX-X-XXXX)

RFCRFF-E-ARSM - Reverse Flow Fan Filter Unit with HEPA Filter (Mobile Unit)

2. MOTOR: (X)

4 - 120V EC Motor

3. CONTROL TYPE: (X)

1 - Adjustable Face Control

4. FRAME: (XXX)

MBU – 3" Swivel Casters w/ (2) Brakes

5. PANEL: (XX)x(XX)

24"x48"

6. FILTER: (XXXX)

HEPA - 99.99% @ 0.3 Micron ULPA - 99.9995% @ 0.12 Micron

7. ACCESSORIES: (XX) (XX) (XX)

00 - None

PM - Constant Filter Monitoring

PL - Filter Pressure Light

03 - Challenge / Pressure Ports

8. FINISH: (XX)

90 - 304 SS Casing with 304 SS Diffuser Screen, Polished Satin

4A - Antimicrobial White