

MODEL

- CRFF-E - Fan filter unit with HEPA filter and EC motor
- CRFF-E-ARS - Fan filter unit with HEPA filter, EC motor, and room side access
- CRFF-E-ARSM - Fan filter unit with HEPA filter and room side access to EC motor and filter

FEATURES

- Forward inclined centrifugal-type fan
- High Efficiency Particulate Air (HEPA) Filter: 99.99% @ 0.3 micron, Type J
- Snap-in prefilter
- 1/2 - 20 threaded bushings (located on casing)
- Walkable plenum (excluding prefilter)
- Low power consumption
- Meets IEST-RP CC001.5 and IEST-RP-CC0034.3 leak testing
- UL listed with Standard UL 900
- ECM Brushless DC Motor: Constant airflow over a wide range of external static pressures
- EC motor with universal control card: VCU,0-10V or RTU Modbus control functionality
- Challenge and pressure ports ¹

FRAME STYLES

- F23 - Lay-in T-bar

PANEL SIZES

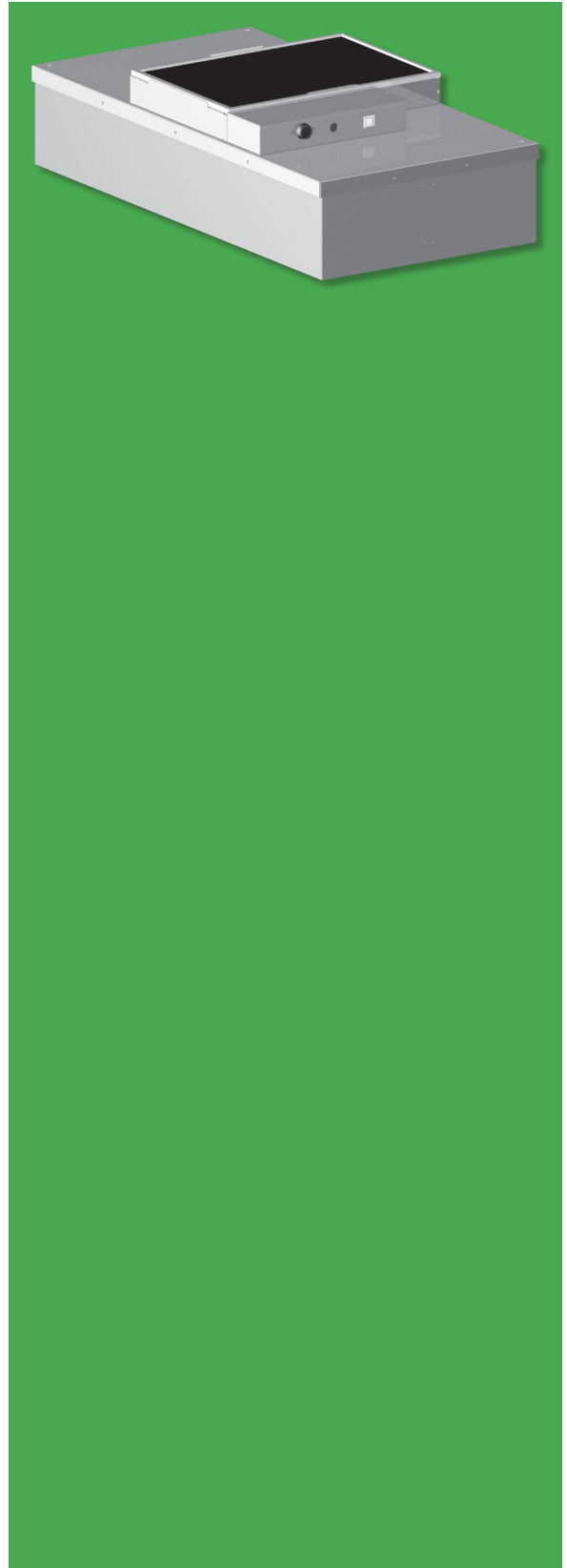
- 24"x24"
- 48"x24"

COMPATIBLE OPTIONS AND ACCESSORIES

- Ultra-Low Penetration Air (ULPA) Filter: 99.9995% @ 0.12 micron, type F
- Filter load indicator light
- Run indicator light
- Duct Collar: Allows direct connection to air duct
- Extruded aluminum plaster frame for hard ceilings (model 5HCF23, ordered separately)
- 304 stainless steel construction
- Power Cord: Provides convenient plug-in (voids UL listing)
- Infrared Speed Control: Room-side airflow adjustment with hand-held remote control (EC motors only)
- Challenge and pressure ports on non-ARS units
- Wall mounted control enclosure (EC motors only)

NOTES:

- ¹ Feature applies to CRFF-E-ARS and CRFF-E-ARSM only.



CRITICAL ENVIRONMENT

CRFF-E



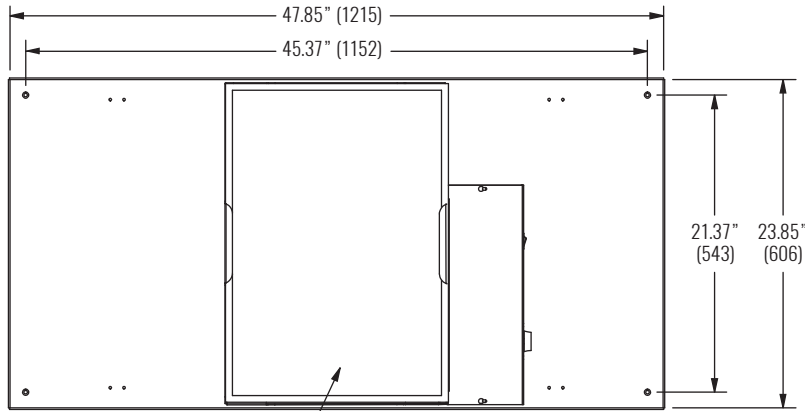
CRFF-E SERIES

Fan Filter Units with EC Motors



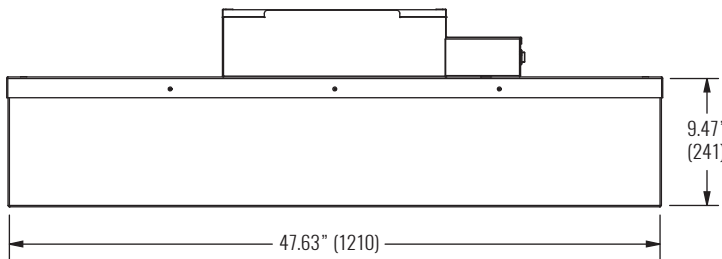
CRITICAL ENVIRONMENT

DIMENSIONAL DATA

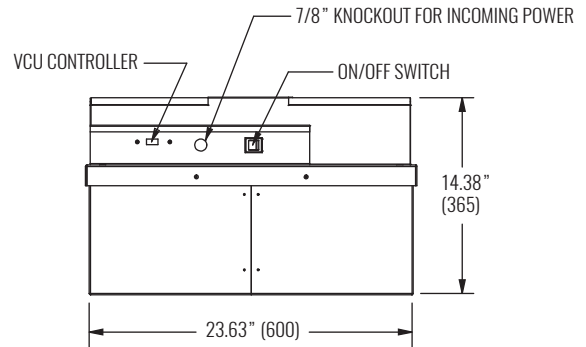


SNAP-IN PREFILTER
TOP VIEW

DIMENSIONS	
PANEL SIZE	OA FACE DIMENSION
24"x24"	23.63" x 23.63" (600 x 600 mm)
48"x24"	23.63" x 47.63" (600 x 1200 mm)



CRFF-E ONLY SIDE VIEW



CRFF-E ONLY END VIEW

NOTES: Dimensions in parentheses are millimeters (mm). Dimensional data shown is for 48"x24" panel. See Krueger's website for additional panel sizes.

PERFORMANCE DATA

MODEL AND SIZE		PERFORMANCE AND WEIGHT							FULL LOAD AMPS		
UNIT TYPE	NOMINAL UNIT SIZES	MOTOR Hp	MAX CFM	CFM @ 90 FPM	Watts @ MAX CFM	Watts @ 90 FPM	TOTAL UNIT WEIGHT Lb (kg)	SOUND LEVEL dB			
CRFF	24"x24"	1/3	410	315	145	80	41 (19)	46.5	PSC	115V	3.00
	48"x24"		660	650	260	235	66(30)	48.0		208V	1.50
CRFF-ARS	24"x24"	1/3	350	210	130	50	44 (20)	46.5		ECM	277V
	48"x24"		610	470	225	110	71 (32)	48.0	115V		5.00
CRFF-ARSM	24"x24"	1/3	350	210	130	140	44 (20)	46.5	208V		3.00
	48"x24"		610	470	225	245	71 (32)	48.0	277V	2.50	

NOTES: Information shown is abbreviated. See Krueger website for complete information. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741.