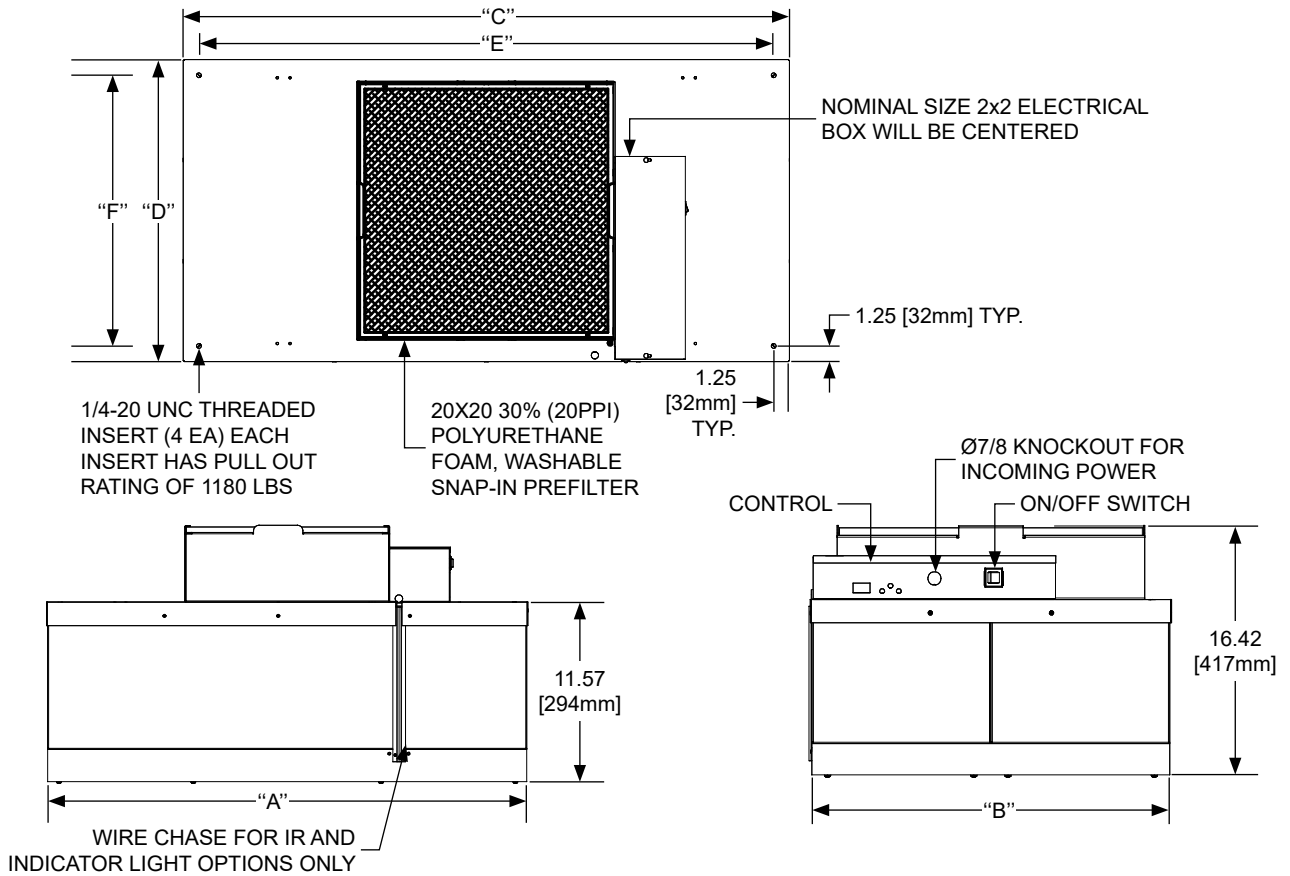


- |                |             |  |                         |
|----------------|-------------|--|-------------------------|
| <b>FFDBR</b>   | • ECM Motor | • Room Side Replaceable Filter                   | • Backward Inclined Fan |
| <b>FFDBRA</b>  | • ECM Motor | • Room Side Replaceable Filter & Motor           | • Backward Inclined Fan |
| <b>FFDBRAC</b> | • ECM Motor | • Room Side Replaceable Filter, Motor & Controls | • Backward Inclined Fan |



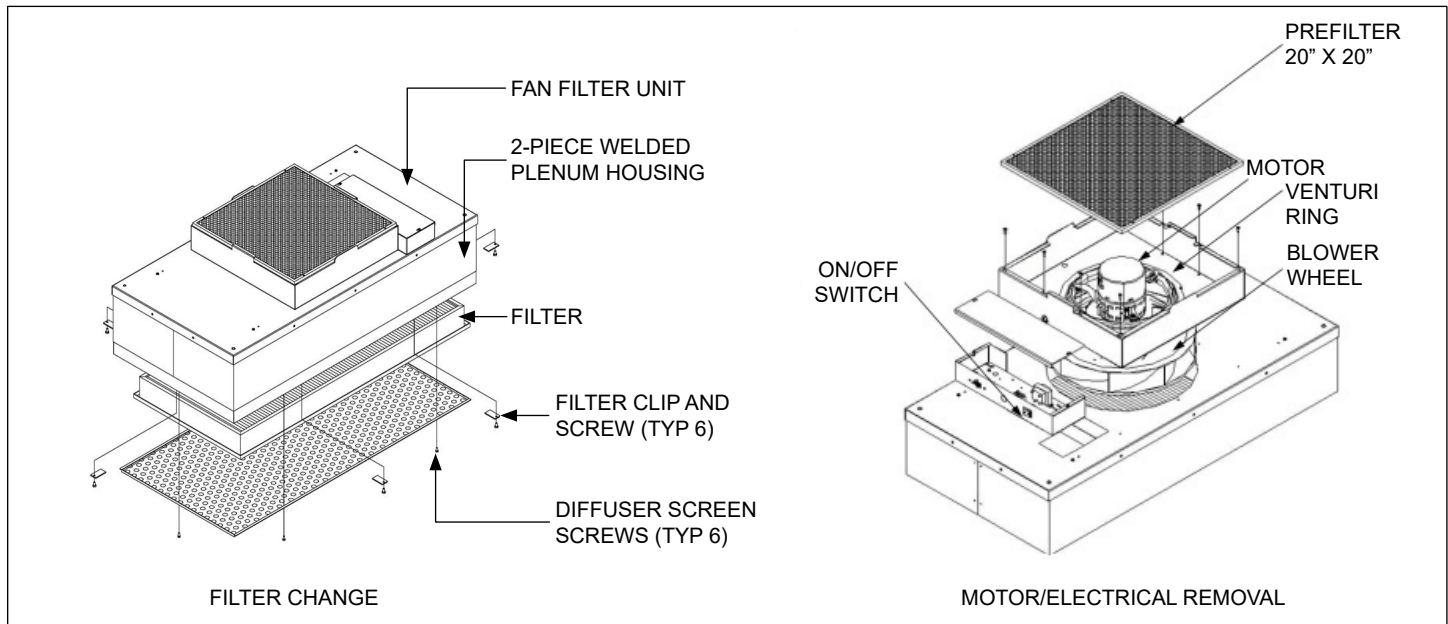
|                          | Unit Size | A       | B       | C       | D       | E       | F       |
|--------------------------|-----------|---------|---------|---------|---------|---------|---------|
|                          |           | In (mm) | In (mm) | In (mm) | In (mm) | In (mm) | In (mm) |
| <input type="checkbox"/> | 24"x24"   | 23 5/8  | 23 5/8  | 23 3/8  | 23 3/8  | 21 3/8  | 21 3/8  |
|                          |           | (600)   | (600)   | (606)   | (606)   | (543)   | (543)   |
| <input type="checkbox"/> | 36"x24"   | 35 5/8  | 23 5/8  | 35 3/8  | 23 3/8  | 33 3/8  | 21 3/8  |
|                          |           | (905)   | (600)   | (905)   | (606)   | (847)   | (543)   |
| <input type="checkbox"/> | 48"x24"   | 47 5/8  | 23 5/8  | 47 3/8  | 23 3/8  | 45 3/8  | 21 3/8  |
|                          |           | (1200)  | (600)   | (1215)  | (606)   | (1152)  | (543)   |

Note: Maximum inlet static pressure is 0.30 inches of water. Operating above the maximum may adversely affect the performance of the unit and is not recommended.

## General Description

- Titus Fan Filter Diffusers provide constant unidirectional airflow to occupied space
- FFDBR offers high performance, low energy usage & low noise levels for use in cleanroom applications
- Low profile design is great for applications with limited ceiling plenum space
- Walkable plenum (excluding pre-filter), rated at 250 lbs
- EC motor with backward curved centrifugal fan
- Aerosol Challenge port and concentration port
- Snap-in prefilter allows for easy replacement and maintenance
- Tested to IEST recommended standards
- UL 507 Listed with standard UL 900 filters

## HEPA Filter and Motor Replacement Detail



## Basic Unit Configuration

Check ☒ if provided.

## Module Size

- ☐ 24" x 24"
- ☐ 36" x 24"
- ☐ 48" x 24"

## Duct Collar

- ☐ None
- ☐ 10" Inlet (Shipped Loose)
- ☐ 12" Inlet (Shipped Loose)

## Unit Construction

- ☐ Aluminum Face & Plenum
- ☐ Stainless Steel Face / Aluminum Plenum
- ☐ Stainless Steel Face & Plenum

## Finish

- ☐ #04 Mill Finish
- ☐ #26 White

## Motor Type

- ☐ 115V/ 60 Hz/ 1 Phase ; FLA = 2.9A
- ☐ 208-240V/ 50/60 Hz/ 1 Phase ; FLA = 1.6A
- ☐ 277V/ 60 Hz/ 1 Phase ; FLA = 1.4A

## Control Type

- ☐ Universal Control Card  
- Constant Torque(Standard)
- ☐ Remote Mounted VCU Control  
- Must order 11166-001 separately  
- Each unit requires qty 1 for control
- ☐ Infrared Speed Controller  
- Remote PN 63760 sold separately  
- Required qty 1 to adjust airflow on multiple units

## Filter Type

- ☐ HEPA (99.99%@0.3 micron)
- ☐ ULPA (99.9995%@0.12 micron)

## Accessories (Optional)

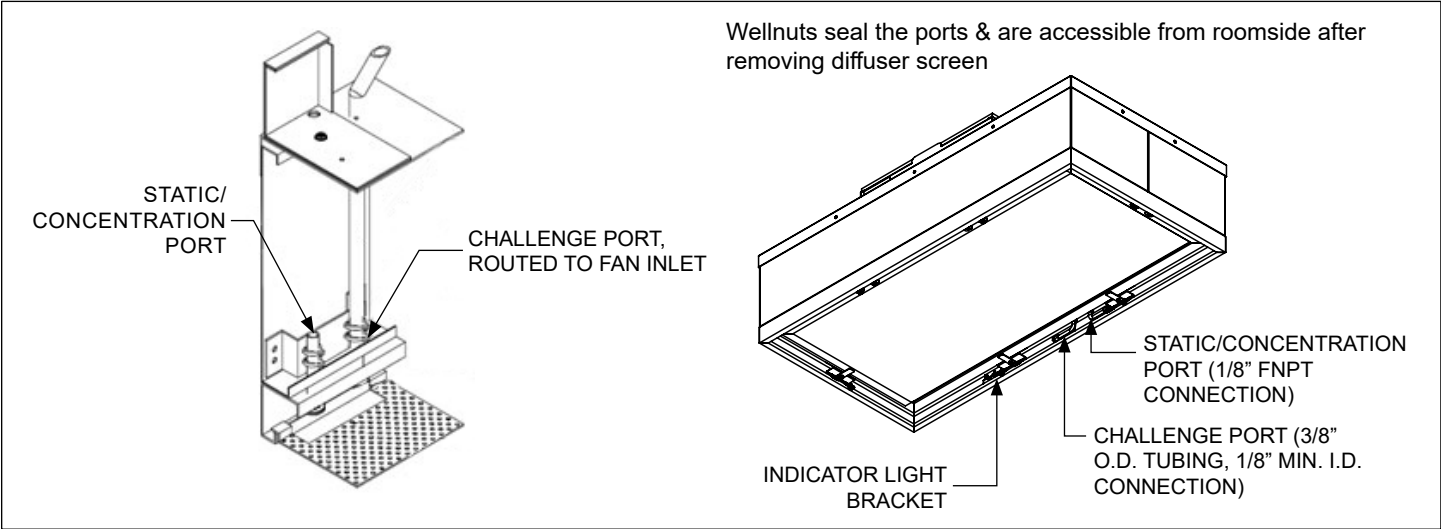
Check ☒ if provided.

- ☐ Airflow Indicator Light (GREEN)
- ☐ Surface Mount Adapter
- ☐ Filter Load Indicator (RED)
- ☐ Insulation
- ☐ Continuous Filter Monitoring (0-10 V signal)
- ☐ Filter Ships Loose

This Submittal is meant to demonstrate general dimensions and information 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.

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Challenge/Concentration Port Detail



Inlet Adapter Accessory Detail

Duct Collar Dimensions

| Model   | Dim A  | Dim B | Diameter | Unit Size | Part Number |
|---------|--------|-------|----------|-----------|-------------|
| FFDBR/A | 23.25" | 16"   | 10"      | 2X2       | 10691       |
| FFDBR/A | 23.25" | 16"   | 12"      | 2X2       | 10789       |
| FFDBR/A | 20"    | 20"   | 10"      | 2X4       | 11231-001   |
| FFDBR/A | 20"    | 20"   | 12"      | 2X4       | 11231-002   |
| FFDBRAC | 23.25" | 14"   | 10"      | 2X2       | 272246-002  |
| FFDBRAC | 23.25" | 14"   | 12"      | 2X2       | 272246-003  |

Diagram showing duct collar dimensions: D + 1/8", Ø D - 3/8", 1 1/2", 2 1/8", R.26, A, B, 2.00

Surface Mount Adapter Accessory Detail

DIM "B"

DIM "A" INSIDE

26"

23 3/4" INSIDE

Ø 168 REF. TYP.

2 3/5"

| Unit Size | A      | B  |
|-----------|--------|----|
| 24"x24"   | 23 3/4 | 26 |
| 48"x24"   | 47 3/4 | 50 |

FFDBRAC Finger Guard Detail

