

ENGINEERING DATA



Model: TRIO 3 IN 1 IN-DUCT

Air Purification System

Models: TRIO-16, TRIO-20



Intertek



ITEMS INCLUDED

- 1 - TRIO-16 or TRIO-20 Air Purification System
- 1 - 120V Quick Connect Power Cord
- 2 - UVC Germicidal Lamp
- 1 - Instruction Sheet
- 1 - Lens Label

REPLACEMENT PART NUMBERS

Replacement UVC Lamps (Set of 2)	46636400
BA-12/20 Replacement Ballast Assembly	46636900
TRIO1625RM13C Merv 13 Filter w/ Carbon	731011625
TRIO2025RM13C Merv 13 Filter w/ Carbon	731012025
TI-16RK Rplc Lamp Kit (set of 2) and Rplc Filter	602641625
TI-20RK Rplc Lamp Kit (set of 2) and Rplc Filter	602614100

SHIPPING DIMENSIONS

TRIO-16	34 x 19 x 14
TRIO-20	34 x 23 x 14

The TRIO 3-in-1 In-duct Air Purification System installs into the return sided of ducted HVAC appliances. Most electronic and media air cleaners only capture particles. The TRIO 3-in-1 In-duct Air Purification System not only removes particles, but also reduces viruses, germs, and toxic gases.

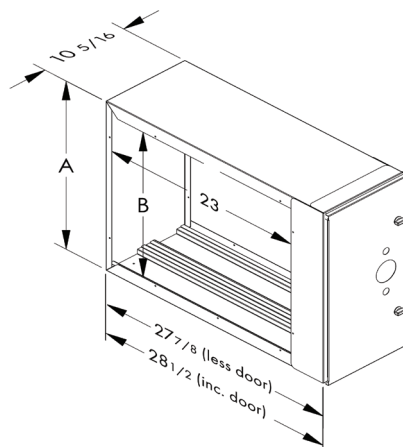
SPECIFICATIONS

Model TRIO-16:

(Capacity 1-1/2 to 3.0 tons)
 Model: TRIO-16
 Power: 120V/60 Hz .6 Amps 49.2 Watts
 Fuse: Replace only with AGC-2 fuse
 Application: 3 Ton Drive Air Handler/Furnace
 Max Face Velocity: 500 FPM
 Max Air Flow: 1200 CFM
 Service: UVC Lamps - Best practice 1 year Filter - 6 to 12 months
 U.V. Range: 254 NM (germicidal)
 UVC Lamps: 16,000 Hours (2 year lamp life efficiency) Best Practice to replace every 12 months

Model TRIO-20:

(Capacity 3.5 to 4.0 tons)
 Model: TRIO-20
 Power: 120V/60 Hz .6 Amps 49.2 Watts
 Fuse: Replace only with AGC-2 fuse
 Application: 4 Ton Drive Air Handler / Furnace
 Max Face Velocity: 625 FPM
 Max Air Flow: 1600 CFM
 Service: UVC Lamps - Best practice 1 year Filter - 6 to 12 months
 U.V. Range: 254 NM (germicidal)
 UVC Lamps: 16,000 Hours (2 year lamp life efficiency) Best Practice to replace every 12 months



MODEL NO.	A	B
TRIO-16	17 1/8	14
TRIO-20	21 1/8	418

PRESSURE DROP				
MODEL	600 CFM	800 CFM	1000 CFM	1200 CFM
TRIO-16	0.07	0.125	0.18	0.25

PRESSURE DROP				
MODEL	1200 CFM	1400 CFM	1600 CFM	2000 CFM
TRIO-20	0.18	0.24	0.30	0.45



Field Controls
 2630 Airport Road
 Kinston, NC 28504
 252 522-3031
 Fax: 1 (800) 367-7942

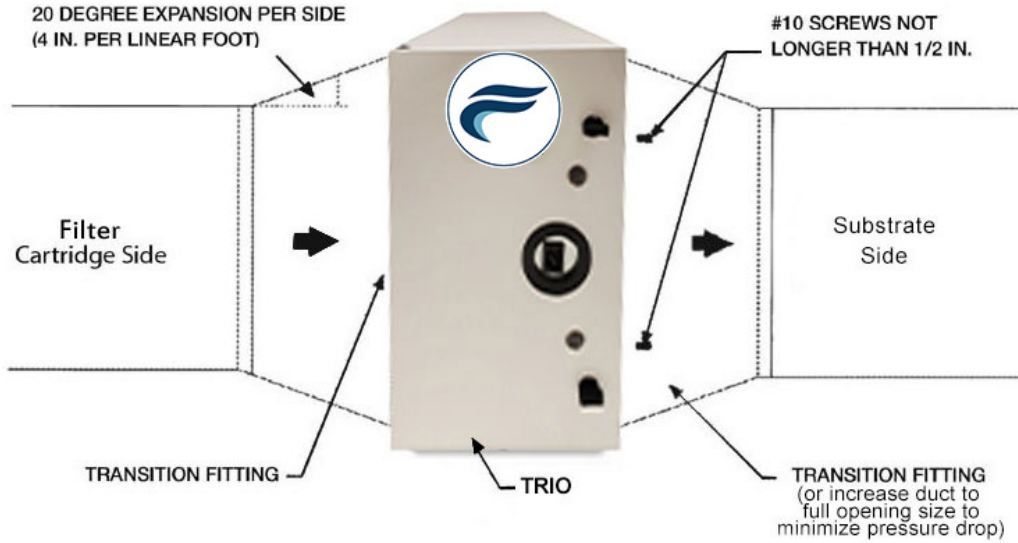


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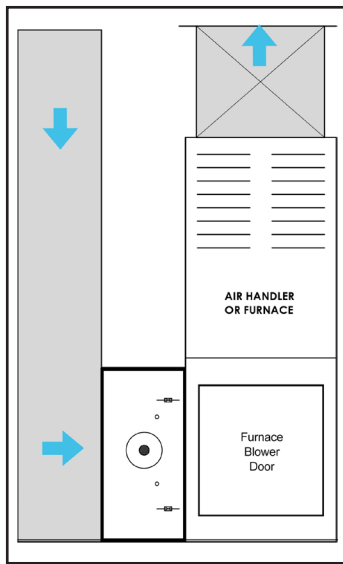
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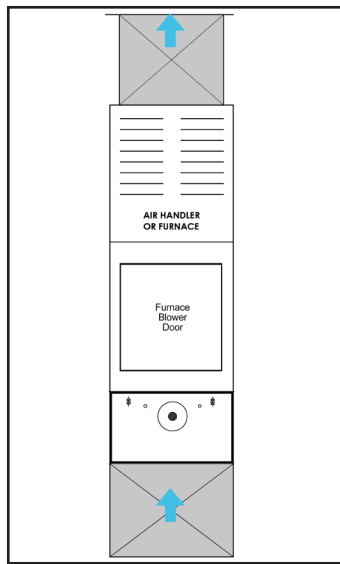
TRANSITIONS FOR IN-DUCT MOUNTING



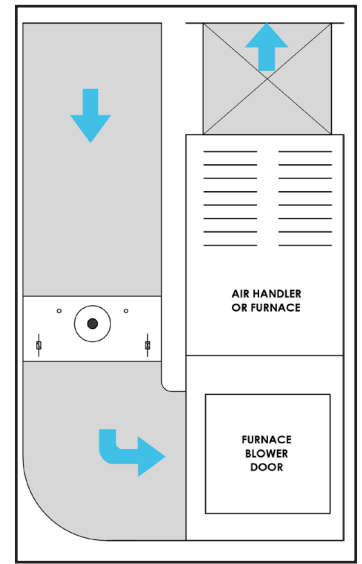
POSSIBLE LOCATIONS FOR IN-DUCT



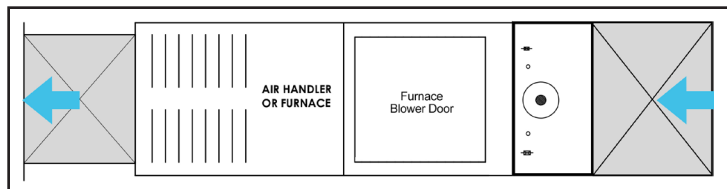
Upflow Side Return



Upflow Bottom Return



Reduction of Static Pressure



Horizontal End Return



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PROJECT INFORMATION

Quoted by:	Date:
Project:	Remarks:
Quantity:	
Model:	
Site:	
Architect:	
Engineer:	
Contractor:	