

MUAS 8 / 10

Makeup Air System Series



MUAS 8 part # – 474049
MUAS 10 part # – 447050



MUAS
Product
Name

10
Duct
Size

The active makeup air system (MUAS) supplies filtered air to replenish kitchen exhaust air at a matching rate, maintaining proper airflow balance. It enables the design of a balanced ventilation system for residential construction.

The MUAS meets makeup air requirements outlined in the International Residential Code (IRC) in the USA and the National Building Code (NBC) in Canada.

The system features an EC motor, a controller, and an external shut-off damper, all housed in an insulated 1" foam cabinet. Optional components include an electrical duct heater and silencer.

Features

- Max Airflow: 735 CFM (MUAS 8) / 1,120 CFM (MUAS 10) (347/529 L/s)
- Supplied with a motorized shut-off damper
- Variable supply airflow automatically in proportion to the exhaust
- MERV11 pleated panel filter for supply air
- Optional electric inline duct heater and silencer
- Mounting brackets and hardware included
- Limited five year warranty

MUAS 8 Specifications (@ 0.4 in. wg. (100 Pa))

- Airflow 623 CFM (294 L/s)
- Duct Size 8 in. (203 mm.)
- Voltage/Phase/Hz 120/1/60
- Power rated 180 W
- Amperage 2.2A

MUAS 10 Specifications (@ 0.4 in. wg. (100 Pa))

- Airflow 1032 CFM (487 L/s)
- Duct Size 10 in. (254 mm.)
- Voltage/Phase/Hz 120/1/60
- Power rated 367 W
- Amperage 4A

Requirements and Standards

- cULus listed
- HVI certified

Code Compliant

Designed to meet building codes such as IRC M1503 and NBC 2020 9.32.3.8, the MUAS ensures balanced airflow and prevents harmful back-drafting, promoting a healthier indoor environment and is required for kitchens exhausting 400 CFM or more.

Unitary Design

The MUAS features a unitary design with an EC motor for controllability, longevity and energy savings and integrates a MERV11 filter, motorized impeller, and controller into a single compact 1" isolated cabinet. This design reduces installation complexity with all components built into a single unit.

Duct Collars

Made of galvanized, sheet metal and come with rubber gaskets for a tight duct connection.

Built-in Controller

Automatically controls the rate of supply air to match the exhaust air rate, ensuring consistent air pressure in the space. If the optional electric heater is installed, the supply air will be warmed to the required set point.

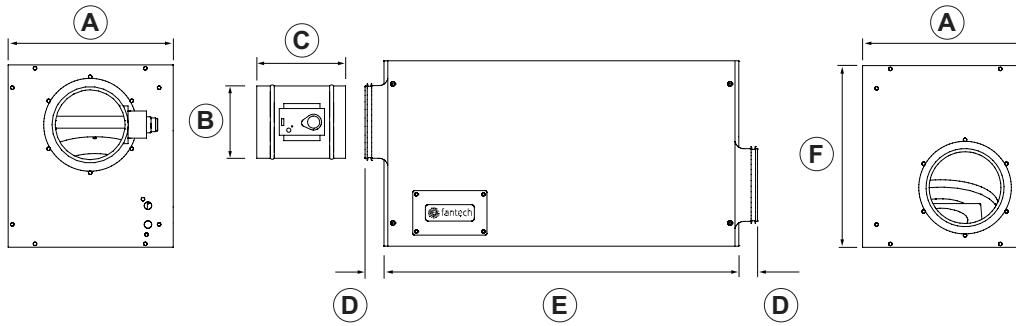
Installation Flexibility

The MUAS comes with four mounting brackets for wall/ceiling installation. This product can also be installed on the floor or suspended from the ceiling with proper equipment.

Motorized Shut-off Damper

Shuts off the supply when the system not in use preventing back-drafting. The damper can be installed anywhere between the MUAS and the outdoor air intake.

Dimensions

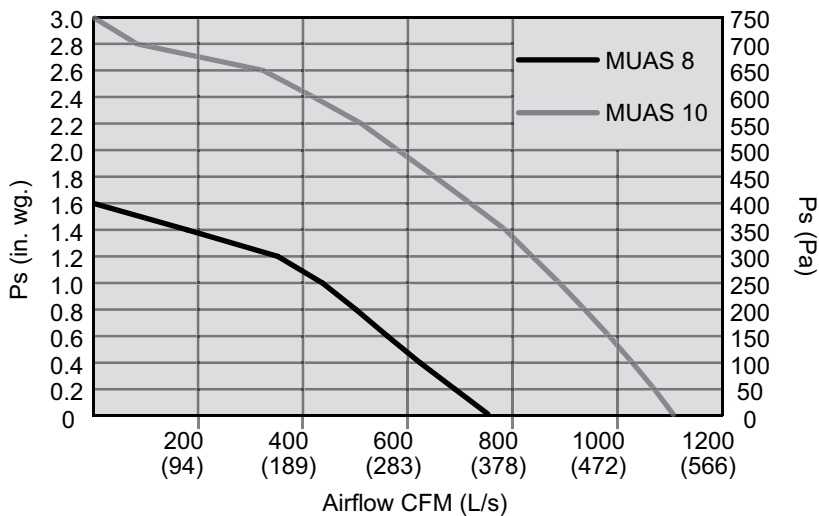


Model	A		B		C		D		E		F		Weight	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg
MUAS 8 #474049	18	457	8	203	10	254	2 3/4	70	38 1/4	972	20	508	105	48
MUAS 10 #474050	18	457	10	254	10	254	2 3/4	70	38 1/4	972	20	508	110	50

HVI Performance

Model	Airflow – in. wg. (Pa)									
	0.0 (0)	0.2 (50)	0.4 (100)	0.6 (150)	0.8 (200)	1.0 (250)	1.2 (300)	1.4 (350)	1.5 (375)	
	CFM (L/s)	CFM (L/s)	CFM (L/s)	CFM (L/s)	CFM (L/s)	CFM (L/s)	CFM (L/s)	CFM (L/s)	CFM (L/s)	CFM (L/s)
MUAS 8 #474049	757 (357)	690 (326)	623 (294)	561 (265)	501 (236)	437 (206)	352 (166)	179 (85)	-	

Model	Airflow – in. wg. (Pa)										
	0.0 (0)	0.2 (50)	0.4 (100)	0.6 (150)	1.0 (250)	1.4 (350)	1.8 (450)	2.2 (550)	2.6 (650)	2.8 (700)	
	CFM (L/s)	CFM (L/s)	CFM (L/s)	CFM (L/s)	CFM (L/s)	CFM (L/s)	CFM (L/s)	CFM (L/s)	CFM (L/s)	CFM (L/s)	CFM (L/s)
MUAS 10 #474050	1113 (525)	1075 (507)	1032 (487)	990 (467)	894 (422)	786 (371)	645 (304)	503 (237)	313 (148)	-	



Contacts

Submitted by:	Date:
Quantity:	Model:
Comments:	Project #:
Location:	
Architect:	
Engineer:	Contractor:

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