



QUFRESH

Fresh Air is Better Air

100 Washington Rd Mineral Wells, TX 76067



MQF SPECIFICATIONS

The MQF offers home builders and developers a low cost, compact and effective mechanical fresh air solution that manages humidity and the air temperature that is allowed to enter the home. The MQF is recommended for Climate Zones 1-4 as determined by the DOE Climate Zone map. Contractors and builders now have a practical offering for introducing constant fresh air from outside into the home, meeting the fresh air CFM requirements. Internally mounted sensors allow for the MQF to be set up by the installer for meeting "Code Compliant" ventilation standards or for "Energy Preferred" ventilation by limiting the intake of outdoor air that is too humid, too hot, too cold, or too dry. The installer chooses the quantity (50 or 80 cfm) of fresh air needed, adjusts the desired temperature and humidity limits and turns the unit on.

Motor: Dual Speed, Heavy duty, permanently split capacitor, plug-in, life time lubrication, thermally protected, suitable for continuous operation.

Airflow: 50 and 80 CFM

Power: Maximum 82.9 Watts

Supply Voltage: 120V 60 Hz.

Current Draw: 0.80 amps

Static Pressure: Up to 0.4" SP.

Controller: Unit mounted controller monitors temperature and humidity of incoming air and allows installer to configure optimal ventilation.

Fan Housing: Insulated 26 gauge galvanized steel housing.

Duct Collars: 6" round, zinc plated metal collar adapters.

Electrical 0.5" electrical access. Easy wiring access via

Connections: External wiring compartment cover or internal access plate.

Unit Mounting: Designed to surface mount to a wall or ceiling with the included mounting brackets. Can be mounted onto joists, studs or the housing mounting brackets can be adapted for overhead mounting (hardware not provided).

Air Filter: Optional 8" x 9" x 2" up to MERV 13 air filter

Test Port: Allows easy air flow measurement with Pitot tube or similar device.

Internal Insulated Cabinet: Yes

Dimensions:	Unit	Shipping
Width	9"	13-3/8"
Height	8-1/4"	13.5"
Length	17-3/8"	26"
Weight	13.8 lbs.	14.9 lbs.

OPTIONAL ACCESSORIES



AF882-2: Merv8 Air Filter (8"x 9"x 2") - 2 Pack
AF1382-2: Merv13 Air Filter (8"x 9"x 2") - 2 Pack



MQH400: 400 Watt Ceramic Heating Unit
MQH900: 900 Watt Ceramic Heating Unit



MD624: 6" Motorized Damper 'Plug n Play'*



IH6S: 6" Screened Wall Cap

CODE COMPLIANCE

ASHRAE 62.2 Yes, 2010-2016

LEED Yes

HVI Certified Yes (air flow), 50 and 80 CFM

IRC Yes



Patent: 11,079,126 and 11,306,932
 Date: March 31, 2022

www.QuFresh.com

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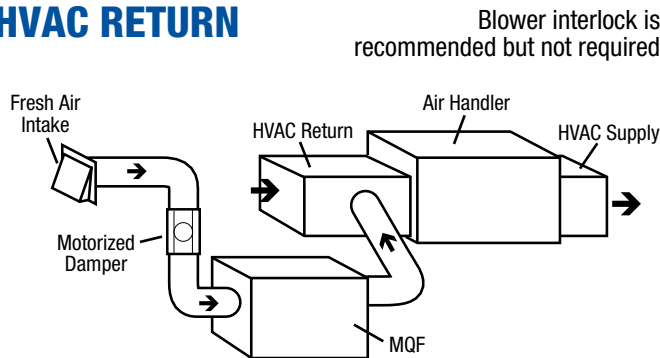
MQF SPECIFICATIONS

FEATURES

- Airflow of 50 or 80 CFM
- Programmable onboard "Q" Controller to allow lockouts for temperature and humidity extremes.
- On-Off switch on unit or control with 24V remote wired smart thermostat with ventilation software.
- Optional MERV 8 or 13 filter for improved Indoor Air Quality.
- Quiet fan is virtually undetectable when operating.
- Compact design fits between framing members and comes with hanger brackets.
- Optional heater accessory for cold climate conditions.
- Requires back-draft damper.

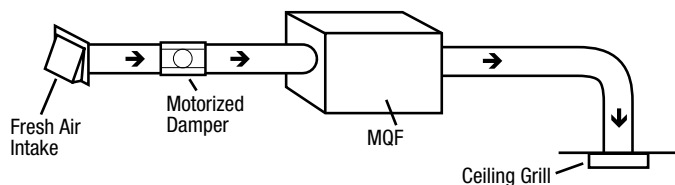
COMMON INSTALLATIONS

HVAC RETURN



Air is brought into the dwelling through an intake wall cap and directed into the return of the HVAC system. This allows the air to be distributed faster and uses the HVAC system to "pre-condition" the air before entering the home. The HVAC fan must be operating for this to be effective.

DIRECT TO DWELLING



Air is brought into the dwelling through an intake wall cap and distributed into the living space through individual or multiple grilles in the home. It is recommended that the grilles be located in a laundry, bath, hallway or other area away from main living areas and away from the HVAC system return grilles.

BUILDER BENEFITS with MQF OVER COMPETITIVE SOLUTIONS

Low HERS Index

With CFM settings of 50 or 80 CFM and electrical usage of 42.9 and 82.9 watts, the unit will deliver comparable HERS Ratings to other air intake solutions on the market.

- 1-2 HERS Index points lower than Central Integrated fan supply only solutions (with ECM Motors).
- 2-5 HERS Index points lower than Central Integrated fan supply only solutions (with Split Capacitor Motors).

Rating Simplicity – Making the Energy Rater's job Easier

- Independent fan delivers easy to measure CFM that can be adjusted on site.
- Gives rater complete confidence of passing RESNET QA oversight on ventilation.
- When properly sized, meets ASHRAE 62.2 requirements.

HVAC Plug and Play – Help your Contractor be Successful

- Multiple mounting options for flexible mounting locations.
- Independent operation - does NOT need to be wired to HVAC system.
- Simplicity in wiring - only needs 115V power wiring to unit. Low amps means no dedicated circuit required.
- Easy to set up- one installer job (does not require service technician) and about 2 hours of labor.

Low First Cost For a Builder Value Solution

- Low first cost - saves time and installation material costs.
- Simple labor – hang unit, install duct and connect outlet terminals.
- Does not require HVAC contractor control wiring – NO transformer, thermostat wire, or remote sensors (24V relay kit included for optional remote control)

Premium Features of the MQF

- Provides constant fresh air and will automatically shut off when it is too hot, too cold, too humid or too dry.
- Compact size makes it perfect for multi-family installations.
- Almost silent operation allows the fan to be installed almost anywhere without the sound being noticed by the occupants.
- Can be combined with timed exhaust fan to achieve balanced ventilation.