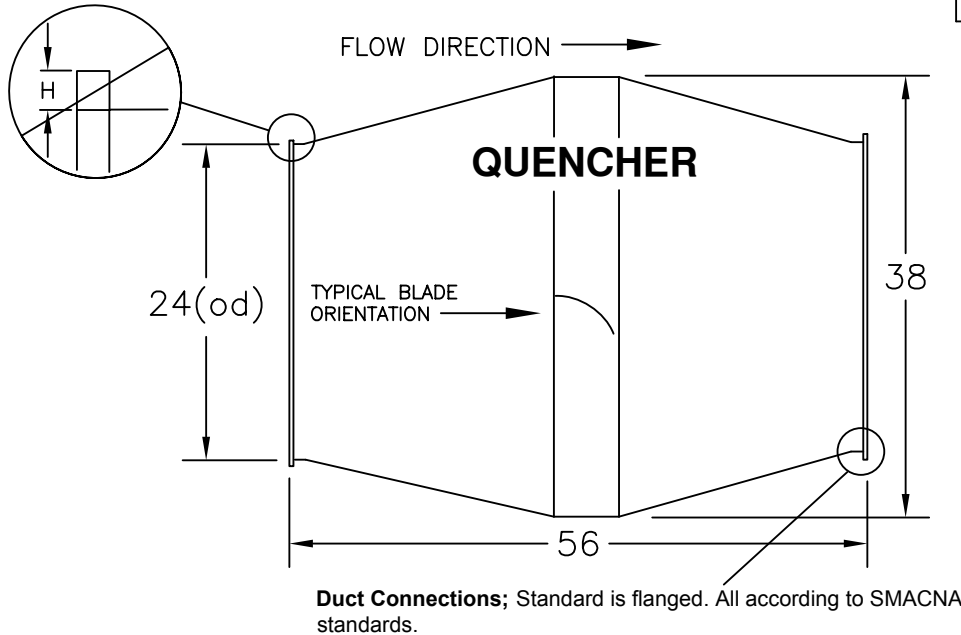


MODEL SCFM A B C D H ACCESS PORT WEIGHT (lb)

MODEL SCFM A B C D H ACCESS PORT WEIGHT (lb)

Q038 11,300-18,800 24 38 56 N/A 2 12 x 12 400/550

Painted; AVANI blue, RAL 5005
Special 24"OD duct connection.



- Static Device with No Moving Parts

- HRS welded construction, meeting SMACNA standards.
- Q-8 to Q-48 are 14 gauge, Q-60 to Q-84 are 12 gauge, Q-96 & Q-108 is 10 gauge.
- **"Bolt pattern" holes not provided unless ordered with companion flanges.**
- Fixed curved blade assembly that thoroughly agitates the gas flow in the duct to produce turbulent flow which extinguishes and cools any sparks to within 50°F of the temperature in the process gas stream.

Two styles are available;

- (1) QUENCHER ASSY (Q-xx) includes transitions to convert from upstream and downstream duct diameter to the diameter of the quencher cell.
- (2) QUENCHER CELL ONLY (QC-xx) can be inserted into an existing duct.

Pressure drop is 0.70 - 1.94 inch WC at rated flow (SCFM). It is recommended to allow at least 5 duct diameters upstream (inlet side) and downstream (outlet side) of the QUENCHER, otherwise pressure drop will be unpredictable. *Pressure drop readings, taken in the field, are difficult to rely on due to the extreme turbulence developed in the QUENCHER cell. It requires at least 5 duct diameters of straight duct beyond the cell or outlet of the reducer section. It also requires perfectly laminar flow at the upstream reading.*

Dust Loading of up to 35-45 grains per cubic foot can be tolerated.

Embers & sparks get extinguished mostly in the Quencher cell itself. Combusting material, such as paper or wood shavings, must be completely consumed within 4 duct diameters past the Quencher (where there is still enough turbulence) and taken the form of embers to be extinguished.

QAM reserves the right to change design and specifications without notice.

COMPANY:		
QUALITY AIR MANAGEMENT		
TITLE:		
QUENCHER standard flanged connection		
DWG.No.	Q-001-1-4267	REV. No.
DATE:	March 7, 2012	SCALE:
	N.T.S.	DRAWN BY:
		GRB

OPTIONS:

3. PAINT; Alkyline degreased, iron phosphate chemical etch, powder coated, Avani blue (RAL 5005), outsid surfaces.
5. NON-STANDARD INLET/OUTLET CONNECTION OF 24"OD.

**Job: Avani Environmental, PO# 4267, Horn Equipment
Model: Q-38, c/w 24"OD connections, Avani Blue paint.**

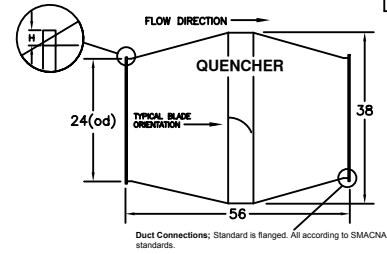
Approved for Production (sign): _____

Print: _____ Date: _____



MODEL	SCFM	A	B	C	D	H	ACCESS PORT	WEIGHT (lb)
Q038	11,300-18,800	24	38	56	N/A	2	12 x 12	400/550

Painted; AVANI blue, RAL 5005
Special 24"OD duct connection.



OPTIONS:

- 3. PAINT; Alkyline degreased, iron phosphate chemical etch, powder coated, Avani blue (RAL 5005), outside surfaces.
- 5. NON-STANDARD INLET/OUTLET CONNECTION OF 24"OD.

- Static Device with No Moving Parts
- HRS welded construction, meeting SMACNA standards.
- Q-8 to Q-48 are 14 gauge; Q-49 to Q-84 are 12 gauge; Q-96 & Q-108 is 10 gauge.
- "Bolt pattern" holes not provided unless ordered with companion flanges.
- Fixed curved blade assembly that thoroughly agitates the gas flow in the duct to produce turbulent flow which extinguishes and cools any sparks to within 50°F of the temperature in the process gas stream.

Two styles are available:

- (1) QUENCHER ASSY (Q-xx) includes transitions to convert from upstream and downstream duct diameter to the diameter of the quencher cell.
- (2) QUENCHER CELL ONLY (QC-xx) can be inserted into an existing duct.

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QAM reserves the right to change design and specifications without notice.

QUALITY AIR MANAGEMENT			
QUENCHER standard flanged connection			
DATE:	Q-001-1-4267	REV. No.	DATE:
DATE:	March 7, 2012	REV. No.	DATE:
DATE:		REV. No.	DATE:
DATE:		REV. No.	DATE:

Job: Avani Environmental, PO# 4267, Horn Equipment
Model: Q-38, c/w 24"OD connections, Avani Blue paint.

Approved for Production (sign): _____
Print: _____ Date: _____

