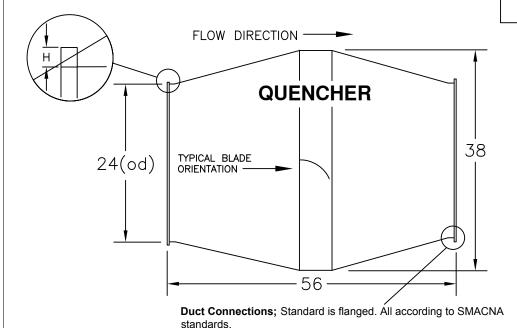
B MODEL SCFM ACCESS PORT WEIGHT (Ib)

MODEL	SCFM	Α	В	С	D	Н	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:**

Approved for Production (sign): \_

Print:

3. PAINT; Alkyline degreased, iron phosphate chemical etch, powder coated, Avani blue (RAL 5005), outsidesurfaces.

Date: \_\_\_\_

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. CHATIFICATIO

Intertek



COMPANY:

- 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.

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

MODEL	SCFM		8	С	D	н	ACCESS PO	RT WEIC	<b>ЭНТ (Њ)</b>	MODEL		SCFM		B	С	D	н	ACCE	SS PORT	WEIGHT (I
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