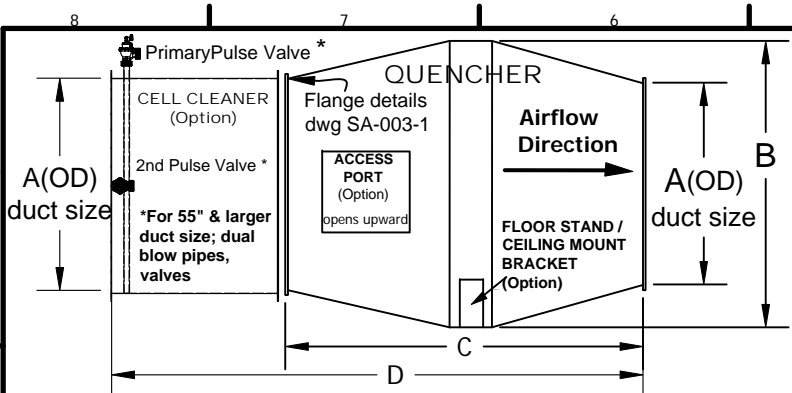


Standard QUENCHER Spark Arrestor

For common ducted dust collection



Any custom duct size can be supplied.

Dimensions: cubic feet per minute, inches, pounds

| MODEL | SCFM (1) min - max | A diam. | B (2) diam. | C | D | ACCESS PORT | WEIGHT | WEIGHT with cell cleaner |
|-------|-----------------------|------------|----------------|-----|-----|-------------|--------|--------------------------|
| Q008 | 500-810 | 6 | 8 | 14 | 29 | n/a | 10 | 21 |
| Q010 | 800-1300 | 8 | 10 | 14 | 37 | n/a | 16 | 31 |
| Q011 | 960-1600 | 8 | 11 | 18 | 37 | n/a | 18 | 35 |
| Q014 | 1500-2400 | 10 | 14 | 24 | 47 | n/a | 30 | 57 |
| Q016 | 2100-3300 | 12 | 16 | 24 | 47 | n/a | 44 | 69 |
| Q020 | 3000-4900 | 14 | 20 | 34 | 61 | 9x9 | 68 | 98 |
| Q024 | 4900-7600 | 16 | 24 | 42 | 77 | 10 x 10 | 89 | 128 |
| Q026 | 5400-9000 | 18 | 26 | 42 | 77 | 10 x 10 | 95 | 140 |
| Q030 | 7200-11,900 | 22 | 30 | 44 | 79 | 10 x 10 | 135 | 193 |
| Q038 | 11,500-19,200 | 28 | 38 | 54 | 91 | 12 x 12 | 211 | 301 |
| Q048 | 18,500-30,500 | 36 | 48 | 64 | 107 | 12 x 12 | 333 | 468 |
| Q060 | 29,000-47,500 | 44 | 60 | 80 | 129 | 18 x 18 | 688 | 913 |
| Q072 | 42,000-69,000 | 54 | 72 | 92 | 147 | 18 x 18 | 945 | 1305 |
| Q084 | 57,000-94,000 | 62 | 84 | 106 | 161 | 18 x 18 | 1305 | 1710 |
| Q096 | 74,000-123,000 | 72 | 96 | 118 | 175 | 24 x 24 | 1890 | 2520 |
| Q108 | 93,500-155,500 | 80 | 108 | 130 | 190 | 24 x 24 | 2745 | 3465 |
| Q120 | 115,500-191,500 | 88 | 120 | 152 | 212 | 24 X 24 | 3987 | 4764 |

CONSTRUCTION:

- Built to; ISO 9001-2008 and CWB certified
- Three styles are available;
 - QUENCHER STANDARD MODEL (Qxxx); includes transitions upstream and downstream to duct size.
 - QUENCHER CELL ONLY (QCxxx); can be inserted into an existing duct, of equal diameter.
 - MINI-QUENCHER; for high pressure vacuum systems
- Products are built to North American compliance with EPA, OSHA, NFPA, SMACNA round duct standards. Compliance with local codes and standards, and accuracy of order to job site operating conditions are the responsibility of the purchaser.
- HRS welded construction; Q008 to Q048 = 14 gauge, Q060 to Q084 = 12 gauge, Q096 to Q120 = 10 gauge, good up to 650°F. Special construction available; SS=304 & 316 stainless steel, MD=medium duty for temperature above 650°F, HD=heavy duty for abrasion and tough applications.
- Reducer-transition sections are supplied at both the inlet and outlet of the Quencher cell with a slope not to exceed 15°. These transition sections are designed to adapt the QUENCHER to the most common duct sizes. Other duct sizes are available upon request.
- Paint Finish; Terra Brown RAL8028, outside surfaces, alkylne degreased, iron phosphate chemical etch, Q008 to Q072 are powder coated, Q084 TO Q120 are primed and top coat painted two part epoxy, good to 250°F. Special high temperature, corrosion and abrasion resistant finishes available upon request.
- Flanges and bolt pattern are according to the drawing SA-003 Flanges & Adapters. Others are available with purchaser's specification.
- Pressure drop is 0.96 - 2.68"WC at rated flow (SCFM). Allow at least 5 duct diameters of straight duct upstream (inlet side) and downstream (outlet side) of the QUENCHER, otherwise pressure drop will be unpredictable.
- Dust Loading of up to 35-45 grains per cubic foot can be tolerated.

AUTOMATIC CELL CLEANER (not available with Mini-Quencher):

1. A high pressure pulse is periodically injected to the air stream which blows out accumulated debris that may have settled in the turbulation cell.
2. Standard voltage for diaphragm valve is 120 VAC/60 Hz, UL/ULC approval.

OPTIONS:

1. ACCESS PORT on upstream side of Quencher assembly, c/w piano hinge and spring latch. Standard position as shown.
2. FLOOR STAND / CEILING MOUNT BRACKET; to mount the Quencher on the floor or from the ceiling.
3. UPGRADED CONSTRUCTION; SS=304 & 316 stainless steel, MD=medium duty for above 650°F, HD=heavy duty for abrasion and tough applications.
4. NON-STANDARD INLET/OUTLET connections; Custom build, adds 2-4 weeks to delivery.
5. COMPANION FLANGES; matching set of flanges for install on the duct.
6. ROLLED EDGE adapter (for clamp together ducts); available for 6" to 24" duct, adds 5" to "C" or "D" dimension.
7. SLEEVE JOINT (slip / raw edge) for slip on ducting, **not recommended for Q024 and larger models.**

CAUTION: For conditions other than standard air (70°F, 0% RH or moisture, sea level, and refrigeration cycle effects), consult factory. Selection of any spark arrestor must be done by a professional who knows how to make necessary adjustments when dealing with conditions other than ideal standard air.

- (1) DO NOT Operate Below the Minimum SCFM
- (2) Dimension "B" tolerance is + 0.500, depending on the material thickness.

Due to continuing product development and improvement; dimensions, specifications are subject to change without notice.

| | | | | | | | |
|------------------------------------|--|------------------------|--------------|--|------------|----------------------------------|--------------------------------|
| COMPANY | | QUALITY AIR MANAGEMENT | | ALL DIMENSIONS ARE IN INCHES UNLESS STATED OTHERWISE | | PROJECTION | |
| Phone: 1-800-267-5585 | | www.qamanage.com | | 4 | 10/21/2020 | corrected data | |
| | | | | 3 | 7/17/2020 | added detail to the image | |
| | | | | 2 | 11/13/2019 | added new models, deleted others | |
| TITLE | | PAGE | DATE | SCALE | REV | REV. DATE | REVISION DESCRIPTION |
| Q-series Specifications (imperial) | | 1 OF 1 | Sep 26, 2019 | NTS | 1 | 10/11/2019 | replaces all previous versions |
| | | | | | | | |
| | | | | | | | DWG. NO. SA-001-1 |