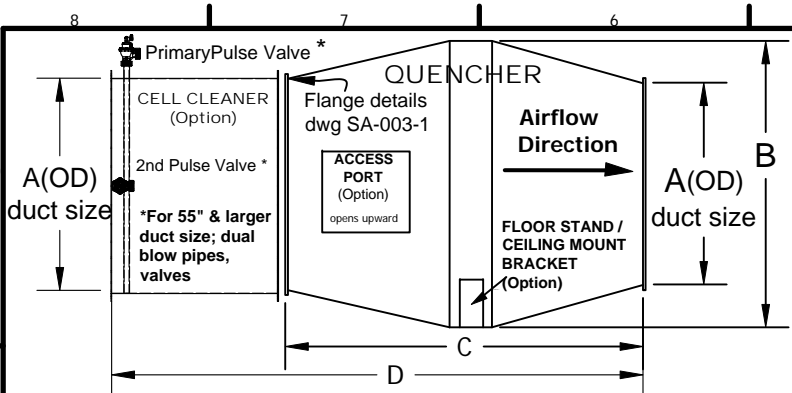


Standard QUENCHER Spark Arrestor

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	6 x 10	30	57
Q016	2100-3300	12	16	24	47	6 x 10	44	69
Q020	3100-5100	14	20	32	59	10 x 10	68	98
Q024	4900-7600	18	24	34	69	10 x 10	89	128
Q026	5400-9000	20	26	34	69	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

(1) DO NOT Operate Below the Minimum SCFM
 (2) There is a dimension tolerance of "B" + 0.500,
 depending on the material thickness.

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

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, alkyline 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). It is recommended to 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):

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

OPTIONS:

- ACCESS PORT on upstream side of Quencher assembly, c/w piano hinge and spring latch. Standard position as shown.
- FLOOR STAND / CEILING MOUNT BRACKET; to mount the Quencher on the floor or from the ceiling.
- UPGRADED CONSTRUCTION; SS=304 & 316 stainless steel, MD=medium duty for above 650°F, HD=heavy duty for abrasion and tough applications.
- NON-STANDARD INLET/OUTLET connections; Custom build, adds 2-4 weeks to delivery.
- COMPANION FLANGES; matching set of flanges for install on the duct.
- ROLLED EDGE adapter (for clamp together ducts); available for 6" to 24" duct, adds 5" to "C" or "D" dimension.
- 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.

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