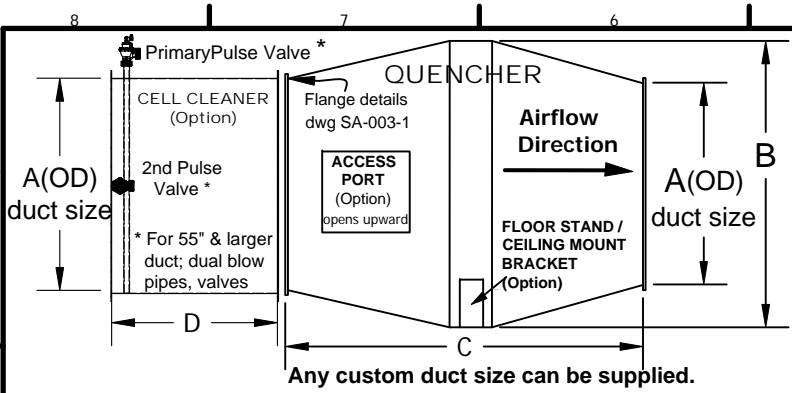


Standard QUENCHER Spark Arrestor

For common ducted dust collection



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, alkylene 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 paint to 1200°F and 2000°F. 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 turbulence 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. CORROSION PROTECTION.
7. ANTI-ABRASION PROTECTION.

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 arrester must be done by a professional who knows how to make necessary adjustments when dealing with conditions other than ideal standard air.

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

"D" dimension in the table is for standard duct connection, as shown under tab "A".
For other duct sizes, refer to DWG. #SA-001-4 "Specifications - Cell Cleaners".

Dimensions: cubic feet per minute, inches, pounds

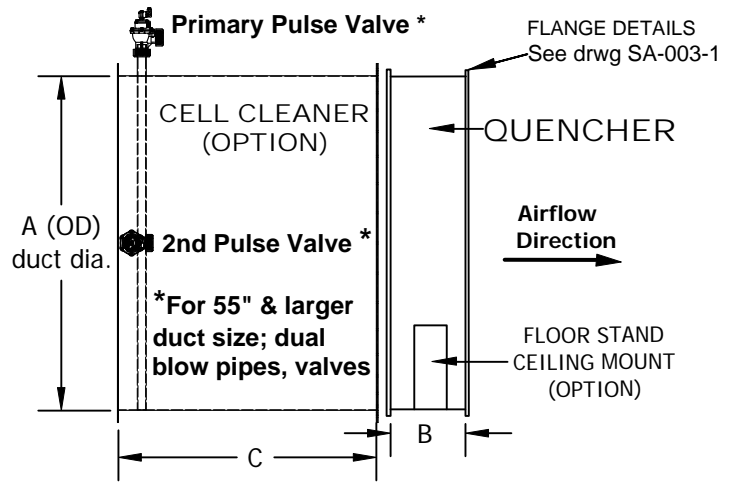
MODEL	SCFM (1) min - max	A diam.	B (2) diam.	C	D	ACCESS PORT	WEIGHT	WEIGHT with cell cleaner
Q008	500-810	6	8	14	15	n/a	10	21
Q010	800-1300	8	10	14	19	n/a	16	31
Q011	960-1600	8	11	18	19	n/a	18	35
Q014	1500-2400	10	14	24	23	n/a	30	57
Q016	2100-3300	12	16	24	23	n/a	44	69
Q020	3000-4900	14	20	34	27	9x9	68	98
Q024	4900-7600	16	24	42	30	10 x 10	89	128
Q026	5400-9000	18	26	42	35	10 x 10	95	140
Q030	7200-11,900	22	30	44	35	10 x 10	135	193
Q038	11,500-19,200	28	38	54	37	12 x 12	211	301
Q048	18,500-30,500	36	48	64	43	12 x 12	333	468
Q060	29,000-47,500	44	60	80	49	18 x 18	688	913
Q072	42,000-69,000	54	72	92	55	18 x 18	945	1305
Q084	57,000-94,000	62	84	106	55	18 x 18	1305	1710
Q096	74,000-123,000	72	96	118	57	24 x 24	1890	2520
Q108	93,500-155,500	80	108	130	60	24 x 24	2745	3465
Q120	115,500-191,500	88	120	152	60	24 X 24	3987	4764

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

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DWG. NO. SA-001-1			

QUENCHER Spark Arrestor

Cell Only Model



CONSTRUCTION:

- Built to; ISO 9001-2008 and CWB certified
- Three styles are available;
 1. QUENCHER STANDARD MODEL (Qxxx); includes transitions upstream and downstream to duct size.
 2. QUENCHER CELL ONLY (QCxxx); can be inserted into an existing duct, of equal diameter.
 3. 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; QC008 to QC048 = 14 gauge, QC060 to QC084 = 12 gauge, QC096 = 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.
- Paint Finish; Terra Brown RAL8028, outside surfaces, alkyl line degreased, iron phosphate chemical etch, QC008 to QC072 are powder coated, QC084 TO QC096 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 to 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.

Dimensions: cubic feet per minute, inches, pounds

MODEL	SCFM (1) min - max	A (2) dia.	B	C	WEIGHT	WEIGHT w/ cell cleaner
QC008	500-810	8	6	19	9	27
QC010	800-1300	10	6	23	14	32
QC011	960-1600	11	6	23	16	35
QC014	1500-2400	14	8	27	25	47
QC016	2100-3300	16	8	30	35	60
QC020	3000-4900	20	10	35	55	85
QC024	4900-7600	24	12	37	75	114
QC026	5400-9000	26	12	37	80	125
QC030	7200-11,900	30	14	43	110	180
QC038	11,500-19,200	38	16	45	160	260
QC048	18,500-30,500	48	20	48	250	385
QC060	29,000-47,500	60	20	55	410	635
QC072	42,000-69,000	72	24	57	663	1166
QC084	57,000-94,000	84	24	60	874	1584
QC096	74,000-123,000	96	28	65	1210	1900

AUTOMATIC CELL CLEANER:

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

OPTIONS:

1. FLOOR STAND / CEILING MOUNT BRACKET; to mount the Quencher on the floor or from the ceiling.
2. UPGRADED CONSTRUCTION; SS=304 & 316 stainless steel, MD=medium duty for above 650°F, HD=heavy duty for abrasion and tough applications.
3. COMPANION FLANGES; matching set of flanges for the install on the duct.
4. ROLLED EDGE adapter (for clamp together ducts); available for 6" to 24" duct, adds 5" to "C" or "D" dimension.

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.

Due to continuing product development, specifications are subject to change without notice.

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

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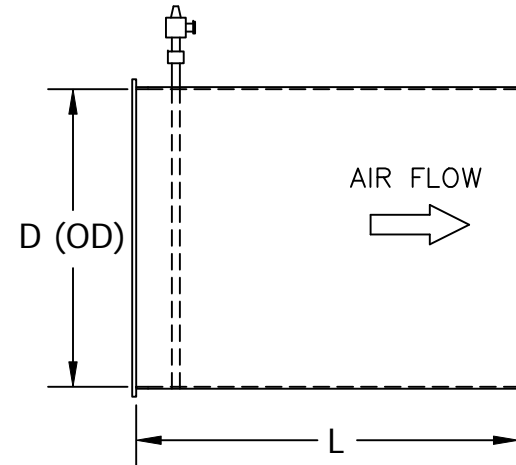
All dimensions in inches

D	L	PART #	Used on Quencher MODEL
4	15	CC-004-1	
5	15	CC-005-1	
6	15	CC-006-1	Q009-1
7	19	CC-007-1	
8	19	CC-008-1	Q010, Q011-1, QC008-1
9	23	CC-009-1	Q014-1, QC010-1
10	23	CC-010-1	
11	23	CC-011-1	QC011-1
12	23	CC-012-1	Q016-1
13	27	CC-013-1	
14	27	CC-014-1	Q020-1, QC014-1
15	30	CC-015-1	
16	30	CC-016-1	Q024-1, QC016-1
17	35	CC-017-1	
18	35	CC-018-1	Q026-1
19	35	CC-019-1	
20	35	CC-020-1	QC020-1
21	35	CC-021-1	
22	35	CC-022-1	Q030-1
23	37	CC-023-1	
24	37	CC-024-1	QC024-1
25	37	CC-025-1	
26	37	CC-026-1	QC026-1
27	37	CC-027-1	
28	37	CC-028-1	Q038-1
29	43	CC-029-1	
30	43	CC-030-1	QC030-1
31	43	CC-031-1	
32	43	CC-032-1	
33	43	CC-033-1	
34	43	CC-034-1	
35	43	CC-035-1	
36	43	CC-036-1	Q048-1

D	L	PART #	Used on Quencher MODEL
37	45	CC-037-1	
38	45	CC-038-1	QC038-1
39	45	CC-039-1	
40	45	CC-040-1	
41	49	CC-041-1	
42	49	CC-042-1	
43	49	CC-043-1	
44	49	CC-044-1	Q060-1
45	48	CC-045-1	
46	48	CC-046-1	
47	48	CC-047-1	
48	48	CC-048-1	QC048-1
49	48	CC-049-1	
50	55	CC-050-1	
51	55	CC-051-1	
52	55	CC-052-1	
53	55	CC-053-1	
54	55	CC-054-1	Q072-1
55	55	CC-055-1	
56	55	CC-056-1	
57	55	CC-057-1	
58	55	CC-058-1	
59	55	CC-059-1	
60	55	CC-060-1	QC060-1
61	55	CC-061-1	
62	55	CC-062-1	Q084-1
63	55	CC-063-1	
64	55	CC-064-1	
65	57	CC-065-1	
66	57	CC-066-1	
67	57	CC-067-1	
68	57	CC-068-1	
69	57	CC-069-1	
70	57	CC-070-1	

D	L	PART #	Used on Quencher MODEL
71	57	CC-071-1	
72	57	CC-072-1	Q096-1, QC072-1
73	60	CC-073-1	
74	60	CC-074-1	
75	60	CC-075-1	
76	60	CC-076-1	
77	60	CC-077-1	
78	60	CC-078-1	
79	60	CC-079-1	
80	60	CC-080-1	Q108-1
81	60	CC-081-1	
82	60	CC-082-1	
83	60	CC-083-1	
84	60	CC-084-1	QC084-1
85	60	CC-085-1	
86	60	CC-086-1	
87	60	CC-087-1	
88	60	CC-088-1	Q120-1
89	65	CC-089-1	
90	65	CC-090-1	
92	65	CC-092-1	Q126-1
96	65	CC-096-1	QC096-1
98	65	CC-098-1	Q132-1

Cell Cleaner Dimensional Specifications



D = Diameter (OD) of duct connection

L = Length of Cell Cleaner Module

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

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