



Aircon Corporation

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Compressed Air Square "CAS" FILTERS

EFFECTIVE:
January 1, 2002

SUPERSEDES: January 1, 2000

STANDARD FEATURES

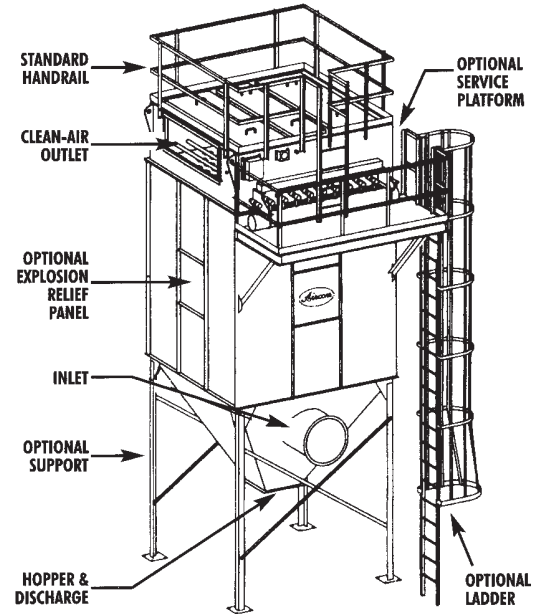
- 10 or 12 gauge steel bolted construction
- Lifting lugs on clean air plenum
- Handrail surrounding plenum
- 4" or 6" SCH 40 pipe header for compressed air reservoir
- Removable internal compressed air hard piping
- 3/4", 1" or 1 1/2" diaphragm valves
- NEMA 4 sequence timer enclosure
- Sprinkler coupling in plenum
- 3/4" NPT thermocouple coupling in plenum
- Magnehelic® differential pressure gauge mounted on plenum
- Unit painted Aircon gray with rust-inhibitive primer on both interior and exterior surfaces
- 16 oz. singled polyester top-removal, snap-in bags with copper ground wire
- Top-removal galvanized bag cages
- Top-removal plenum access doors
- 60° cone hopper flanged to housing
- Clean-out door and 1 1/4" level indicator coupling in hopper
- Installation & maintenance manuals

OPTIONAL FEATURES

- Inlet, outlet, and header orientation per job
- High-entry inlet (into lower body section)
- Explosion relief panels
- Structural steel support
- NEMA 9 explosion-proof solenoid valves, conduit, and enclosures
- Other types of filter media
- Epoxy paint or regular paint per specified color
- Thermocouple to monitor temperature of discharge air
- Sprinkler system installed in plenum
- Level indicator
- Caged ladder & header service platform
- Photohelic® differential pressure gauge
- Stainless steel or epoxy-coated (carbon steel) bag cages

OPERATING REQUIREMENTS

- 115 VAC, 60 Hz. single phase current for timer with adjustable on time (0.05 to 0.50 sec.) and off time (1.5 to 30 sec.)
- 90 to 100 PSIG clean, dry uncontaminated compressed air supply



Model #	Number of Bags	Length of Bags	Filter Media Cloth Area (sq. ft)	Compressed Air Required (SCFM)	Shipping Wt. (w/o Options) (lbs.)	FILTERING CAPACITY (cubic feet air/min.) AIR TO CLOTH RATIO		
						6:1	8:1	10:1
CAS 25-6	25	6' - 0"	226	6.4	1480	1360	1810	2260
CAS 25-8	25	8' - 0"	301	6.4	1690	1810	2410	3010
CAS 25-10	25	10' - 0"	376	6.4	1900	2260	3010	3760
CAS 36-6	36	6' - 0"	325	7.7	2010	1950	2600	3250
CAS 36-8	36	8' - 0"	434	7.7	2270	2600	3470	4340
CAS 36-10	36	10' - 0"	542	7.7	2530	3250	4340	5420
CAS 49-6	49	6' - 0"	443	8.9	2500	2660	3540	4430
CAS 49-8	49	8' - 0"	590	8.9	2800	3540	4720	5900
CAS 49-10	49	10' - 0"	738	8.9	3100	4430	5900	7380
CAS 64-8	64	8' - 0"	771	10	3390	4620	6170	7710
CAS 64-10	64	10' - 0"	963	10	3740	5780	7710	9630
CAS 64-12	64	12' - 0"	1156	10	4090	6940	9250	11600
CAS 81-8	81	8' - 0"	975	18	4100	5850	7800	9760
CAS 81-10	81	10' - 0"	1219	18	4500	7320	9760	12200
CAS 81-12	81	12' - 0"	1463	18	4900	8780	11700	14600
CAS 100-8	100	8 - 0"	1204	20	4890	7230	9630	12000
CAS 100-10	100	10' - 0"	1505	20	5350	9030	12000	15100
CAS 100-12	100	12' - 0"	1806	20	5810	10800	14500	18100
CAS 121-8	121	8' - 0"	1457	22	5580	8740	11700	14600
CAS 121-10	121	10' - 0"	1821	22	6090	10900	14600	18200
CAS 121-12	121	12' - 0"	2168	22	6600	13100	17500	21900
CAS 144-8	144	8' - 0"	1734	24	6300	10400	13900	17300
CAS 144-10	144	10' - 0"	2168	24	6870	13000	17300	21700
CAS 144-12	144	12' - 0"	2601	24	7440	15600	20800	26000
CAS 169-8	169	8' - 0"	2035	26	7130	12200	16300	20400
CAS 169-10	169	10' - 0"	2544	26	7700	15300	20400	25400
CAS 169-12	169	12' - 0"	3053	26	8410	18300	24400	30500

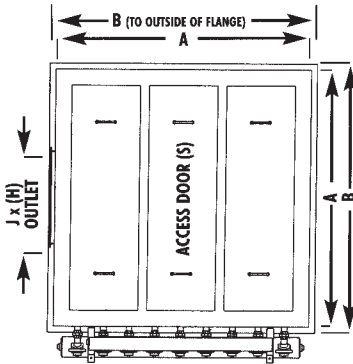


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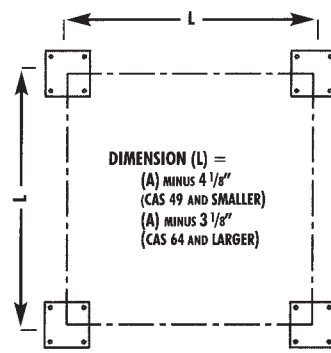
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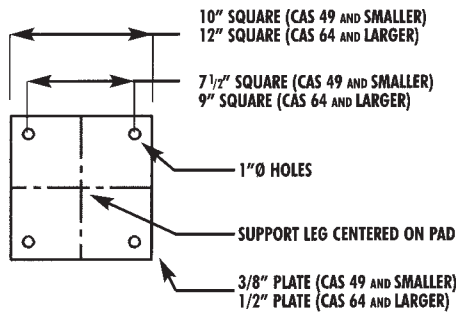
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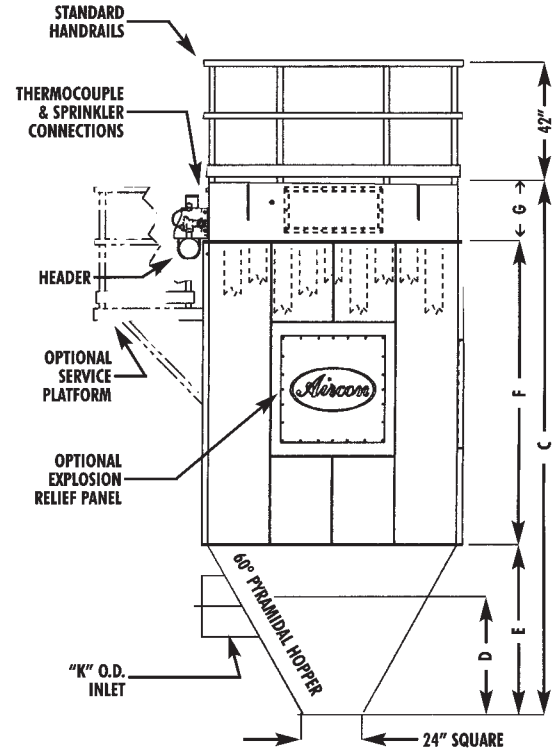
Top View



**FOOT PAD LAYOUT
 (NOT FOR CONSTRUCTION)**



Foot Pad Detail



Right Side View

Model #	A	B	C	D	E	F	G	H	J	K
CAS 25-6	46"	49"	9' - 10"	8"	20"	6' - 6"	20"	8"	27"	15"
CAS 25-8	46"	49"	11' - 10"	8"	20"	8' - 6"	20"	8"	27"	15"
CAS 25-10	46"	49"	13' - 10"	8"	20"	10' - 6"	20"	8"	27"	15"
CAS 36-6	56"	59"	10' - 8"	14"	28"	6' - 6"	22"	10"	31"	18"
CAS 36-8	56"	59"	12' - 8"	14"	28"	8' - 6"	22"	10"	31"	18"
CAS 36-10	56"	59"	14' - 8"	14"	28"	10' - 6"	22"	10"	31"	18"
CAS 49-6	5' - 5"	5' - 9"	11' - 6"	20"	36"	6' - 6"	24"	12"	35"	20"
CAS 49-8	5' - 5"	5' - 9"	13' - 6"	20"	36"	8' - 6"	24"	12"	35"	20"
CAS 49-10	5' - 5"	5' - 9"	15' - 6"	20"	36"	10' - 6"	24"	12"	35"	20"
CAS 64-8	6' - 2"	6' - 6"	14' - 4"	26"	44"	8' - 6"	26"	14"	48"	24"
CAS 64-10	6' - 2"	6' - 6"	16' - 4"	26"	44"	10' - 6"	26"	14"	48"	24"
CAS 64-12	6' - 2"	6' - 6"	18' - 4"	26"	44"	12' - 6"	26"	14"	48"	24"
CAS 81-8	7' - 0"	7' - 4"	15' - 2"	32"	52"	8' - 6"	28"	16"	52"	28"
CAS 81-10	7' - 0"	7' - 4"	17' - 2"	32"	52"	10' - 6"	28"	16"	52"	28"
CAS 81-12	7' - 0"	7' - 4"	19' - 2"	32"	52"	12' - 6"	28"	16"	52"	28"
CAS 100-8	7' - 9"	8' - 1"	16' - 0"	36"	5' - 0"	8' - 6"	30"	18"	58"	32"
CAS 100-10	7' - 9"	8' - 1"	18' - 0"	36"	5' - 0"	10' - 6"	30"	18"	58"	32"
CAS 100-12	7' - 9"	8' - 1"	20' - 0"	36"	5' - 0"	12' - 6"	30"	18"	58"	32"
CAS 121-8	8' - 5"	8' - 10"	16' - 10"	42"	5' - 8"	8' - 6"	32"	20"	64"	34"
CAS 121-10	8' - 5"	8' - 10"	18' - 10"	42"	5' - 8"	10' - 6"	32"	20"	64"	34"
CAS 121-12	8' - 5"	8' - 10"	20' - 10"	42"	5' - 8"	12' - 6"	32"	20"	64"	34"
CAS 144-8	9' - 2"	9' - 7"	17' - 8"	48"	6' - 4"	8' - 6"	34"	22"	68"	38"
CAS 144-10	9' - 2"	9' - 7"	19' - 8"	48"	6' - 4"	10' - 6"	34"	22"	68"	38"
CAS 144-12	9' - 2"	9' - 7"	21' - 8"	48"	6' - 4"	12' - 6"	34"	22"	68"	38"
CAS 169-8	9' - 11"	10' - 4"	18' - 6"	54"	7' - 0"	8' - 6"	36"	24"	74"	42"
CAS 169-10	9' - 11"	10' - 4"	20' - 6"	54"	7' - 0"	10' - 6"	36"	24"	74"	42"
CAS 169-12	9' - 11"	10' - 4"	22' - 6"	54"	7' - 0"	12' - 6"	36"	24"	74"	42"