


STANDARD CONSTRUCTION

1. High Efficiency, Meltblown Synthetic Media
2. Sonic Welded Pocket Construction
3. Polypropylene Fabric Ribbon Separators
4. Galvanized Steel Header
5. Galvanized Steel Pocket Retainers

NOTES


1. Four Efficiencies Available (Media Color in Parentheses)
 90-95% ASHRAE 52.1-1992, MERV 14 ASHRAE 52.2-1999 (Yellow)
 80-85% ASHRAE 52.1-1992, MERV 13 ASHRAE 52.2-1999 (Pink)
 60-65% ASHRAE 52.1-1992, MERV 12 ASHRAE 52.2-1999 (Orange)
 50-55% ASHRAE 52.1-1992, MERV 11 ASHRAE 52.2-1999 (Tan)
2. Final Resistance: 1.5" W.G.
3. Rated Velocity: 500 FPM
4. Class 1 And Class 2 Filter Per U.L. Standard 900
 Add '-CL1' Suffix To Denote Class 1 (Ex. CP9-A-8-29-C1)
5. Maximum Operating Temperature: 190 deg. F
6. Optional Gasket Available
 U - Upstream Gasket (Ex. CP9-A-8-29-U)
 D - Downstream Gasket
 UD- Both Sides
 SA - Side Access
 P - Perimeter
7. Optional Headers Available
 B- 1-3/4" Header (Ex. CP9-A-8-29-B)
 C- 1-1/8" Header ("C" Header)
 E- 1" Header
8. Extender Rods Available (Ex. CP9-A-8-29-DX)
9. Pocket Loops Available
 L - Loops on Top, Each Pocket (Ex. CP9-A-8-29-L)
 LTB - Loops on Top and Bottom, Each Pocket

 <p>ONE SOURCE FOR AIR FILTRATION PRODUCTS</p>	<p>P.O. Box 32578 Louisville, KY 40232 P: 502-969-2304 F: 502-961-0930</p>	<p>TOLERANCES UNLESS OTHERWISE SPECIFIED</p>			<p>DRAWING NAME CLEAN-PAK SONIC WELD</p>	
		<p>FRACTIONAL DECIMAL ANGLES</p>	<p>APPROVED BY <i>H. Quinn</i></p>	<p>SPECIFICATION NO. MKT-B-00311</p>	<p>PAGE 1 OF 3</p>	
<p>CONTACT FACTORY TO VERIFY REVISION LEVEL</p>		<p>SCALE NONE</p>		<p>DWG. SIZE A</p>	<p>REVISION B</p>	<p>REVISION DATE 10-24-02</p>
<p>ALL DIMENSIONS IN INCHES</p>		<p>CONFIDENTIAL - DO NOT COPY. THIS MATERIAL IS TRADE SECRET AND PROPRIETARY BEING EXCLUSIVELY OWNED BY AIRGUARD. THE EXPRESSION OF THE INFORMATION CONTAINED HEREIN IS PROTECTED UNDER FEDERAL COPYRIGHT LAWS AND ALL COPYING IS PROHIBITED AND MAY BE SUBJECT TO CRIMINAL PENALTIES.</p>				

UL CLASS 2 FILTERS

Model Number	Nominal Size (Inches) H x W x D	Actual Size (Inches) H x W x D	# Of Pockets	Rated Air Velocity (FPM)	Rated Air Flow (CFM)	90-95%	Initial Resistance (IN W.G.) 80-85%	60-65%	50-55%	Media Area (Square Feet)
CP*-A-9-36	24 x 24 x 36	23-3/8 x 23-3/8 x 36	9	500	2000	.42	.33	.27	-	113
CP*-A-8-36	24 x 24 x 36	23-3/8 x 23-3/8 x 36	8	500	2000	.44	.35	.29	-	100
CP*-A-7-36	24 x 24 x 36	23-3/8 x 23-3/8 x 36	7	500	2000	.46	.37	.33	-	91
CP*-A-6-36	24 x 24 x 36	23-3/8 x 23-3/8 x 36	6	500	2000	.49	.40	.33	-	78
CP*-B-3-36	24 x 12 x 36	23-3/8 x 11-3/8 x 36	3	500	1000	.49	.40	.33	-	39
CP*-C-6-36	12 x 24 x 36	11-3/8 x 23-3/8 x 36	6	500	1000	.49	.40	.33	-	41
CP*-F-5-33	20 x 20 x 33	19-3/8 x 19-3/8 x 33	5	500	1400	.51	.42	.37	-	51
CP*-A-10-32	24 x 24 x 32	23-3/8 x 23-3/8 x 32	10	500	2000	.45	.36	.30	-	112
CP*-B-5-32	24 x 12 x 32	23-3/8 x 11-3/8 x 32	5	500	1000	.45	.36	.30	-	56
CP*-A-10-29	24 x 24 x 29	23-3/8 x 23-3/8 x 29	10	500	2000	.47	.38	.32	-	101
CP*-A-8-29	24 x 24 x 29	23-3/8 x 23-3/8 x 29	8	500	2000	.45	.36	.30	-	81
CP*-A-6-29	24 x 24 x 29	23-3/8 x 23-3/8 x 29	6	500	2000	.49	.40	.34	.26	63
CP*-B-4-29	24 x 12 x 29	23-3/8 x 11-3/8 x 29	4	500	1000	.45	.36	.30	.23	41
CP*-B-3-29	24 x 12 x 29	23-3/8 x 11-3/8 x 29	3	500	1000	.49	.40	.34	.26	32
CP*-C-6-29	12 x 24 x 29	11-3/8 x 23-3/8 x 29	6	500	1000	.49	.40	.34	.26	33
CP*-D-5-29	24 x 20 x 29	23-3/8 x 19-3/8 x 29	5	500	1650	.49	.40	.34	.26	53
CP*-E-6-29	20 x 24 x 29	19-3/8 x 23-3/8 x 29	6	500	1650	.49	.40	.34	.26	53
CP*-A-10-25	24 x 24 x 25	23-3/8 x 23-3/8 x 25	10	500	2000	.48	.39	.33	-	88
CP*-A-10-22	24 x 24 x 22	23-3/8 x 23-3/8 x 22	10	500	2000	.52	.46	.37	-	77
CP*-A-8-22	24 x 24 x 22	23-3/8 x 23-3/8 x 22	8	500	2000	.50	.44	.35	.29	62
CP*-B-5-22	24 x 12 x 22	23-3/8 x 11-3/8 x 22	5	500	1000	.52	.46	.37	-	39
CP*-B-4-22	24 x 12 x 22	23-3/8 x 11-3/8 x 22	4	500	1000	.50	.44	.35	.29	31
CP*-D-7-22	24 x 20 x 22	23-3/8 x 19-3/8 x 22	7	500	1650	.50	.44	.35	.29	54
CP*-A-9-18	24 x 24 x 18	23-3/8 x 23-3/8 x 18	9	500	2000	.58	.48	.40	.34	57
CP*-A-12-15	24 x 24 x 15	23-3/8 x 23-3/8 x 15	12	500	2000	.57	.50	-	-	63
CP*-A-6-22	24 x 24 x 22	23-3/8 x 23-3/8 x 22	6	375	1500	.40	.30	.20	.18	47
CP*-B-3-22	24 x 12 x 22	23-3/8 x 11-3/8 x 22	3	375	750	.40	.30	.20	.18	24
CP*-C-6-22	12 x 24 x 22	11-3/8 x 23-3/8 x 22	6	375	750	.40	.30	.20	.18	26
CP*-D-5-22	24 x 20 x 22	23-3/8 x 19-3/8 x 22	5	375	1250	.40	.30	.20	.18	39
CP*-F-5-22	20 x 20 x 22	19-3/8 x 19-3/8 x 22	5	375	1050	.40	.30	.20	.18	34
CP*-A-6-21	24 x 24 x 21	23-3/8 x 23-3/8 x 21	6	375	1500	-	-	-	.18	46
CP*-B-3-21	24 x 12 x 21	23-3/8 x 11-3/8 x 21	3	375	750	-	-	-	.18	23
CP*-D-5-21	24 x 20 x 21	23-3/8 x 19-3/8 x 21	5	375	1250	-	-	-	.18	38
CP*-F-5-21	20 x 20 x 21	19-3/8 x 19-3/8 x 21	5	375	1050	-	-	-	.18	33
CP*-A-6-18	24 x 24 x 18	23-3/8 x 23-3/8 x 18	6	375	1500	.43	.38	.22	.20	38
CP*-B-3-18	24 x 12 x 18	23-3/8 x 11-3/8 x 18	3	375	750	.43	.38	.22	.20	19
CP*-A-10-15	24 x 24 x 15	23-3/8 x 23-3/8 x 15	10	375	1500	.40	.35	.19	.16	53
CP*-B-5-15	24 x 12 x 15	23-3/8 x 11-3/8 x 15	3	375	750	.40	.35	.19	.19	27
CP*-D-8-15	24 x 20 x 15	23-3/8 x 19-3/8 x 15	8	375	1250	.40	.35	.19	.16	42
CP*-A-6-14	24 x 24 x 14	23-3/8 x 23-3/8 x 14	6	375	1500	.46	.41	.25	.22	31
CP*-B-3-14	24 x 12 x 14	23-3/8 x 11-3/8 x 14	3	375	750	.46	.41	.25	.22	16
CP*-A-6-10	24 x 24 x 10	23-3/8 x 23-3/8 x 10	6	375	1500	-	-	-	.25	22
CP*-B-3-10	24 x 12 x 10	23-3/8 x 11-3/8 x 10	3	375	750	-	-	-	.25	11

* - Filter Efficiency: 9 = 90-95%, 8 = 80-85%, 6 = 60-65%, 5 = 45-50%
 Example: CP9-A-8-22 (90-95%, 24x24x22, 8 Pocket Sonic Weld Bag Filter)



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TOLERANCES
UNLESS OTHERWISE SPECIFIED

FRACTIONAL
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ALL DIMENSIONS IN INCHES

DRAWING NAME
CLEAN-PAK SONIC WELD

APPROVED BY *H.O.*

SPECIFICATION NO.
MKT-B-00311

PAGE
2 OF 3

SCALE NONE

DWG. SIZE A

REVISION B

REVISION DATE
10-24-02

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UL CLASS 1 FILTERS

Model Number	Nominal Size (Inches) H x W x D	Actual Size (Inches) H x W x D	# Of Pockets	Rated Air Velocity (FPM)	Rated Air Flow (CFM)	Initial Resistance (IN W.G.)					Media Area (Square Feet)
						90-95%	80-85%	60-65%	50-55%		
GP ⁺ A-9-36-C1	24 x 24 x 36	23-3/8 x 23-3/8 x 36	9	500	2000	.42	.33	.27	-	113	
GP ⁺ A-8-36-C1	24 x 24 x 36	23-3/8 x 23-3/8 x 36	8	500	2000	.44	.35	.29	-	100	
GP ⁺ A-7-36-C1	24 x 24 x 36	23-3/8 x 23-3/8 x 36	7	500	2000	.46	.37	.33	-	91	
GP ⁺ A-6-36-C1	24 x 24 x 36	23-3/8 x 23-3/8 x 36	6	500	2000	.49	.40	.33	-	78	
GP ⁺ B-3-36-C1	24 x 12 x 36	23-3/8 x 11-3/8 x 36	3	500	1000	.49	.40	.33	-	39	
GP ⁺ C-6-36-C1	12 x 24 x 36	11-3/8 x 23-3/8 x 36	6	500	1000	.49	.40	.33	-	41	
GP ⁺ F-5-33-C1	20 x 20 x 33	19-3/8 x 19-3/8 x 33	5	500	1400	.51	.42	.37	-	51	
GP ⁺ A-10-32-C1	24 x 24 x 32	23-3/8 x 23-3/8 x 32	10	500	2000	.45	.36	.30	-	112	
GP ⁺ B-5-32-C1	24 x 12 x 32	23-3/8 x 11-3/8 x 32	5	500	1000	.45	.36	.30	-	56	
GP ⁺ A-10-29-C1	24 x 24 x 29	23-3/8 x 23-3/8 x 29	10	500	2000	.47	.38	.32	-	101	
GP ⁺ A-8-29-C1	24 x 24 x 29	23-3/8 x 23-3/8 x 29	8	500	2000	.45	.36	.30	-	81	
GP ⁺ A-6-29-C1	24 x 24 x 29	23-3/8 x 23-3/8 x 29	6	500	2000	.49	.40	.34	-	63	
GP ⁺ B-4-29-C1	24 x 12 x 29	23-3/8 x 11-3/8 x 29	4	500	1000	.45	.36	.30	-	41	
GP ⁺ B-3-29-C1	24 x 12 x 29	23-3/8 x 11-3/8 x 29	3	500	1000	.49	.40	.34	-	32	
GP ⁺ C-6-29-C1	12 x 24 x 29	11-3/8 x 23-3/8 x 29	6	500	1000	.49	.40	.34	-	33	
GP ⁺ D-5-29-C1	24 x 20 x 29	23-3/8 x 19-3/8 x 29	5	500	1650	.49	.40	.34	-	53	
GP ⁺ E-6-29-C1	20 x 24 x 29	19-3/8 x 23-3/8 x 29	6	500	1650	.49	.40	.34	-	53	
GP ⁺ A-10-25-C1	24 x 24 x 25	23-3/8 x 23-3/8 x 25	10	500	2000	.48	.39	.33	-	88	
GP ⁺ A-10-22-C1	24 x 24 x 22	23-3/8 x 23-3/8 x 22	10	500	2000	.52	.46	.37	-	77	
GP ⁺ A-8-22-C1	24 x 24 x 22	23-3/8 x 23-3/8 x 22	8	500	2000	.50	.44	.35	-	62	
GP ⁺ B-5-22-C1	24 x 12 x 22	23-3/8 x 11-3/8 x 22	5	500	1000	.52	.46	.37	-	39	
GP ⁺ B-4-22-C1	24 x 12 x 22	23-3/8 x 11-3/8 x 22	4	500	1000	.50	.44	.35	-	29	
GP ⁺ D-7-22-C1	24 x 20 x 22	23-3/8 x 19-3/8 x 22	7	500	1650	.50	.44	.35	-	54	
GP ⁺ A-9-18-C1	24 x 24 x 18	23-3/8 x 23-3/8 x 18	9	500	2000	.58	.48	.40	-	57	
GP ⁺ A-12-15-C1	24 x 24 x 15	23-3/8 x 23-3/8 x 15	12	500	2000	.57	.50	-	-	63	
GP ⁺ A-6-22-C1	24 x 24 x 22	23-3/8 x 23-3/8 x 22	6	375	1500	.40	.30	.20	-	47	
GP ⁺ B-3-22-C1	24 x 12 x 22	23-3/8 x 11-3/8 x 22	3	375	750	.40	.30	.20	-	24	
GP ⁺ C-6-22-C1	12 x 24 x 22	11-3/8 x 23-3/8 x 22	6	375	750	.40	.30	.20	-	26	
GP ⁺ D-5-22-C1	24 x 20 x 22	23-3/8 x 19-3/8 x 22	5	375	1250	.40	.30	.20	-	39	
GP ⁺ F-5-22-C1	20 x 20 x 22	19-3/8 x 19-3/8 x 22	5	375	1050	.40	.30	.20	-	34	
GP ⁺ A-6-21-C1	24 x 24 x 21	23-3/8 x 23-3/8 x 21	6	375	1500	-	-	-	-	46	
GP ⁺ B-3-21-C1	24 x 12 x 21	23-3/8 x 11-3/8 x 21	3	375	750	-	-	-	-	23	
GP ⁺ D-5-21-C1	24 x 20 x 21	23-3/8 x 19-3/8 x 21	5	375	1250	-	-	-	-	38	
GP ⁺ F-5-21-C1	20 x 20 x 21	19-3/8 x 19-3/8 x 21	5	375	1050	-	-	-	-	33	
GP ⁺ A-6-18-C1	24 x 24 x 18	23-3/8 x 23-3/8 x 18	6	375	1500	.43	.38	.22	-	38	
GP ⁺ B-3-18-C1	24 x 12 x 18	23-3/8 x 11-3/8 x 18	3	375	750	.43	.38	.22	-	19	
GP ⁺ A-10-15-C1	24 x 24 x 15	23-3/8 x 23-3/8 x 15	10	375	1500	.40	.35	.19	-	53	
GP ⁺ B-5-15-C1	24 x 12 x 15	23-3/8 x 11-3/8 x 15	3	375	750	.40	.35	.19	-	27	
GP ⁺ D-8-15-C1	24 x 20 x 15	23-3/8 x 19-3/8 x 15	8	375	1250	.40	.35	.19	-	42	
GP ⁺ A-6-14-C1	24 x 24 x 14	23-3/8 x 23-3/8 x 14	6	375	1500	.46	.41	.25	-	31	
GP ⁺ B-3-14-C1	24 x 12 x 14	23-3/8 x 11-3/8 x 14	3	375	750	.46	.41	.25	-	16	
GP ⁺ A-6-10-C1	24 x 24 x 10	23-3/8 x 23-3/8 x 10	6	375	1500	-	-	-	-	22	
GP ⁺ B-3-10-C1	24 x 12 x 10	23-3/8 x 11-3/8 x 10	3	375	750	-	-	-	-	11	

* Filter Efficiency: 9 = 90-95%, 8 = 80-85%, 6 = 60-65%, 5 = 45-50%
 Example: GP⁺A-8-22 (90-95%, 24x24x22, 8 Pocket Sonic Weld Bag Filter)



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APPROVED BY

K. Com

SPECIFICATION NO.

MKT-B-00311

PAGE

3 OF 3

SCALE

NONE

DWG. SIZE

A

REVISION

B

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