

AmericanAirFilter[®] Design M FabriPulse[®]

Engineering Data

Supplement to Bulletin APC-1-411

Materials of Construction

Plenum: 12 Gauge, H.R.S. ASTM-A570

Housing: 12 Gauge, H.R.S. ASTM-A570

Hopper: 12 Gauge, H.R.S. ASTM-A570

Tube Sheet: 10 Gauge, H.R.S. ASTM-A570

Inlet Baffle: ¼" Plate H.R.S.

Support Legs and Bracing: ASTM-A36 Steel Plate Shapes

Legs and Bracing are designed for: 30 PSF and Seismic Zone 1, 2, 3, and 4. Criteria used for Zone 4 is (A) Hoppers 25% full, Dust Density 75 PCF, (B) Seismic loads according to UBC Section 2312 (g). Seismic Zone 4 and 30 PSF wind load ratings are not concurrent.

Bag Material: 16 oz./syd. Fine Denier Polyester

Bag Supports: 11Gauge, Galvanized

Bag Size: 2.25" Diameter, 4' & 6' Lengths

Compressed Air Tank: Schedule 40

Pulse Pipes: 1" Galvanized, Schedule 40

Solenoid Enclosure: NEMA 4, Aluminum Goyen

Timer Enclosure: NEMA 4 10-point Timer Board

Venturi: Aluminum/Zinc Alloy



AmericanAirFilter[®]

Design M FabriPulse[®]

Compressed Air Consumption Data

Unit Size	Number of Bags	Sq. Ft. Media	Number of Solenoid and Diaphragm Valves	Compressed Air Tank Size (Inches)	Maximum Number of Bags Pulsed Per Valve	Note 1
4-42-100	42	100	3	4	14	0.7
4-84-200	84	200	3	4	28	1.3
4-168-400	168	400	6	4	28	1.8
4-252-600	252	600	9	4	28	2.3
4-336-800	336	800	12	4	28	2.7
4-420-1000	420	1000	15	4	28	2.7
6-42-150	42	150	3	6	14	1.0
6-84-300	84	300	3	6	28	2.0
6-168-600	168	600	6	6	28	3.1
6-252-900	252	900	9	3	28	4.3
6-336-1200	336	1200	12	6	28	4.8
6-420-1500	420	1500	15	6	28	5.0

Note 1: Compressed air consumption @30 sec. pulse interval @100/mil. sec. duration and 100 PSIG.

Power Consumption

Timer Board: 50 watts max.

Photohelic: 50 watts max.

Solenoid Valves: NEMA 4, 20 watts per solenoid firing at a time.
NEMA 9, 20 watts per solenoid firing at a time.

Cleaning System—Factory Settings

Pulse Duration: 100 MS.

Pulse Interval: 30 sec. (10 sec for pressure demand control)
Field adjustable based on operating conditions

Compressed air must be dry to -40°F dew point, clean, oil free, and no greater than 125°F.



Better Air is Our Business[®]

10300 Ormsby Park Place Suite 600
Louisville, Kentucky 40223-6169
www.aafintl.com

Customer Service 800.477.1214
Fax 800.254.3019

ISO Certified 9001:2000

AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

©2007 AAF International
APC-7-412 JUN '07