Technical Bulletin Synthetic Pulse Filter	Date 12.19.13

PNEUMAFIL

Nederman

Synthetic Cartridges
Tripod - Static

PneuMax Filters — Conical/Cylindrical Cartridges. Static "Non-Pulsed" filter.

Description

Pneumafil introduces PneuMAX static filters. Designed for air inlet filter users that have either turned off or see little impact from using the "self-cleaning" mode of their filter house.

PneuMAX filters are produced using a proprietary synthetic fiber composite media, offering 100% ASHRAE E1 efficiency at rated air flow. In addition, unlike conventional pulse filters, the PneuMax filter design includes individual glue beads that separate and stabilize every pleat. This provides a clear and unobstructed distribution of dust particles throughout the entire media pack. Conventional pulse media can collapses under velocity pinching off large sections of filter media, and creating high air flow restriction.

When subjected to periods of moisture, PneuMax has shown to more quickly recover after changes in atmospheric conditions, offering significantly better operating pressure drop compared to either synthetic or blended nano style filters.

Construction

Typical Pneumafil manufacturing standards are as shown below:

- Flattened expanded galvanized or stainless steel inner and outer cores.
- Individual glue bead separators
- Media is permanently bonded to the end caps with a two part polyurethane sealant.
- A seamless polyisoprene sponge rubber gasket is applied on each filter to attain a positive seal of the filter to the filter house grid plate.
- Embossed filter stop on conical filter to protect against gasket over compression.
- Interior spiral adhesive
- External MERV 6 Pre-filter sock

Glue Bead Separators @ 1" Centers

PneuMax Filter Performance *

Rate Flow Per Set	1630CFM
Clean Resistance **(with MERV 6 filter sock)**	0.72 (inches of w.g.)
ASHRAE 52.2 - 2012	MERV 16
Final Resistance	4.00
E1 Composite Efficiency 0.30 - 1.0 Microns	100%
E2 Composite Efficiency 1.0 - 3.0 Microns	100%
E3 Composite Efficiency 3.0 - 10.0 Microns	100%
Average Arrestance (%)	100%
Dust Holding (ASHRAE) @ 4.00" w.c.	1566 g

*** Per ASHRAE Test 52.2-2012 Test report # BHT 14-1518**

Technical Bulletin Synthetic Pulse Filter	Date 12.19.13

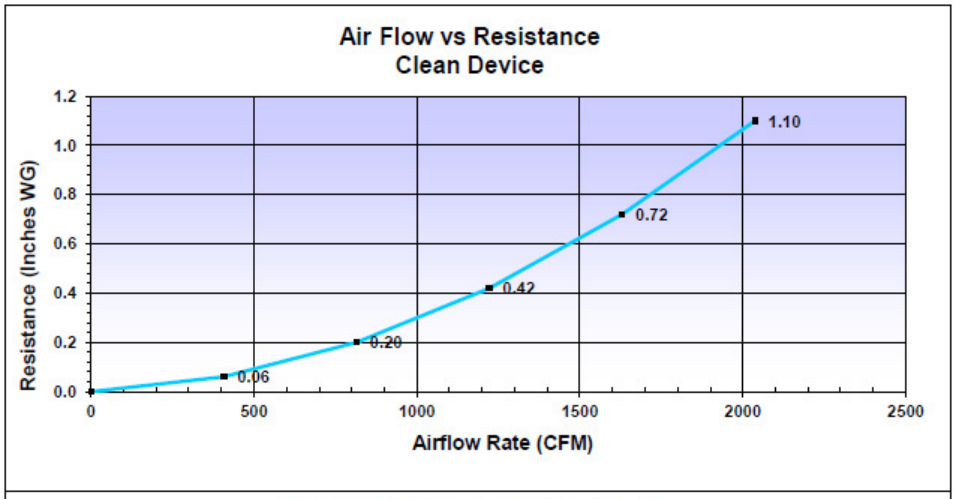
PNEUMAFIL
Nederman

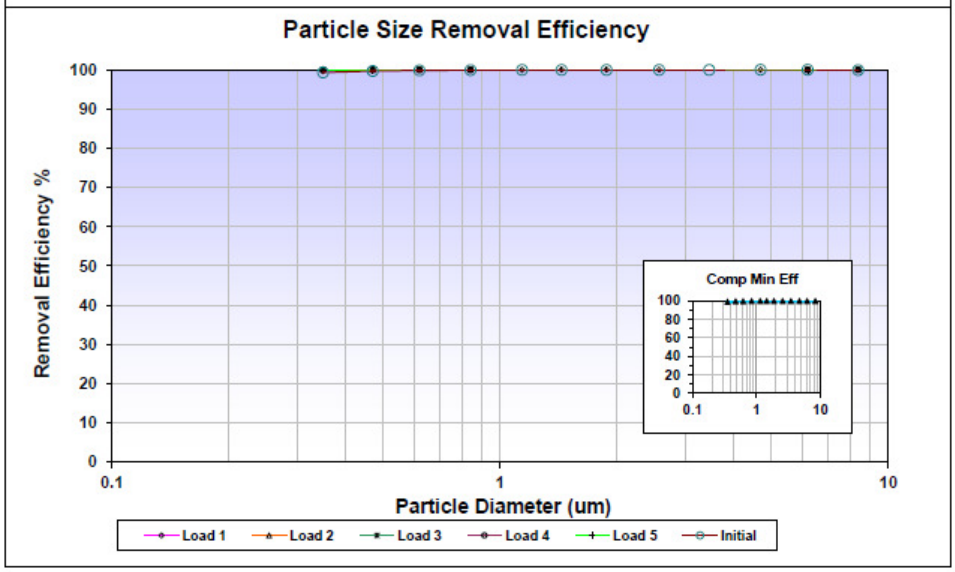
Synthetic Cartridges
Tripod - Static

Dimensions/Part Nos. for Donaldson Style Replacement Filter Sets

Cylindrical	OD 12.75” (325 mm) x L 26” (660 mm)
Conical	OD 12.75” (325 mm) x 17.5” (445 mm), x L 26 (660 mm)

Part No.	Media	Construction
S52675C1	100% Synthetic	Cylindrical, galvanized - open/closed 1.18” bolt hole
S52676C1	100% Synthetic	Conical, galvanized - open/open, with mechanical gasket stop,
S52075C3	100% Synthetic	Cylindrical, galvanized - open/closed 1.18” bolt hole, inner mechanical seam
S52076C3	100% Synthetic	Conical, galvanized - open/open, with mechanical gasket stop, inner mechanical seam





Filter Sleeve

P/N: S52669A1

- Dimensions - 27.5” x 132”
- 100% synthetic coalescing filter sleeve, with Tackifier MERV 6

P/N: S52670A1

- Dimensions
- 100% synthetic coalescing filter sleeve, without Tackifier MERV 6

Filter Tool

P/N: S52725C1

- Pre-filter installation Tool
- Extendable arm

PNEUMAFIL
Nederman
www.pneumafil.com
gtinfo@pneumafil.com