SOLBERG

Filter Media Specifications

Filter Elements

Standard Media

5 µm Polyester: 5 micron, 99+% efficiency
- ID: "odd number": i.e. 1***9®***, 23***5***P™
- Classification: ePM$_{10}$ 75% (ISO 16890)
- Pleated industrial needle felt polyester media
- Plastisol potting
- Temperature min: -15°F (-26°C), max: 220°F (104°C)
- Reinforced epoxy coated steel wire on on both sides of media

2 µm Paper: 2 micron, 99+% efficiency
- ID: "even number": i.e. 1***8***™, 23***4***P™
- Classification: ePM$_{2.5}$ 50% (ISO 16890)
- Heavy duty industrial strength paper
- Plastisol potting
- Galvanized or black powder coated expanded metal
- Temperature min: -15°F (-26°C), max: 220°F (104°C)

High Efficiency

1 µm Polyester - Z Media: 1 micron, 99+% efficiency
- ID: "odd number" & "Z" suffix: i.e. 1***9Z***, 23***5Z***P
- Classification: ePM$_{2.5}$ 60% (ISO 16890)
- Epoxy coated steel wire on both sides of media
- Temp min: -15°F (-26°C), max: 220°F (104°C)
- Washable - lukewarm water & mild detergent

4 µm Polyester - N Media: 4 micron, 99+% efficiency
- ID: "odd number" & "N" suffix: i.e. 1***5N***, 37***7N***P
- Classification: ePM$_{2.5}$ 60% (ISO 16890)
- Epoxy coated steel wire on both sides of media
- Temp min: -15°F (-26°C), max: 220°F (104°C)
- Washable - lukewarm water & mild detergent

HEPA - HE Media: 0.3 um, 99.97%
- ID: "HE" prefix & "even number": i.e. ***HE***23***0***, ***HE***33***4***P
- Classification: E12 under EN 1822/ISO 30E under ISO 29463)
- Heavy duty industrial strength glass surrounded by galvanized expanded metal
- Maximum oversizing required to minimize pressure drop
- Plastisol potting standard
- Temp min: -15°F (-26°C), max: 220°F (104°C)
- Options: silicone potting, viton gaskets

ULPA - UL Media: 0.1 micron, 99.995% efficiency
- ID: "UL" prefix & "even number": i.e. ***UL***23***4***
- Classifcation: H14 under EN1822/ISO45H under ISO 29463
- Plastisol potting
- Temp min: -15°F (-26°C), max: 220°F (104°C)
- Options: silicone potting, viton gaskets

Dutch Twill Weave - DT Media
- ID: "DT" prefix & "odd number": i.e. ***DT***24***5***
- Classification: ePM$_{10}$ 70% (ISO 16890)
- Stainless steel woven wire cloth
- Viton gaskets & epoxy potting
- Temp min: -15°F (-26°C), max: 375°F (190°C)

Chemical / Food / Pharmaceutical

Polypropylene (PP) - Y Media: 5 micron, 99+% efficiency
- ID: "odd number" & "Y" suffix: i.e. 3***1Y***, 34***5Y***P
- Epoxy coated steel wire on on both sides of the media

PTFE - TG Media: 0.3 micron, 99.5% efficiency
- ID: "TG" prefix & "odd number": i.e. ***TG***37***5***
- Classification: E11 under EN1822/ISO 15E under ISO 29463
- High temperature, chemical, & moisture resistant
- Options: epoxy potting, viton gaskets
- Temp (intermittent): Up to 482°F (250°C)

PTFE - TF Media: 0.3 micron, 99.5% efficiency
- ID: "TF" prefix & "odd number": i.e. ***TF***27***5***
- Classification: E11 under EN1822/ISO 15E under ISO 29463
- Chemical & moisture resistant
- Minimal pressure drop
- Temp (intermittent): 220°F (104°C)
- Options: epoxy potting, viton gaskets

PPS - RY Media
- Broad chemical resistant media, high temp
- ID: "RY" prefix & "odd number": i.e. ***RY***48***5***
- Temp min: -15°F (-26°C), max: 220°F (104°C)
- Options: epoxy potting, viton gaskets

Coarse Efficiency

25 µm Polyester - U Media: 25 micron, 99+% efficiency
- ID: "odd number" & "U" suffix: i.e. 1***9U***, 68***5U***P
- Temp min: -15°F (-26°C), max: 220°F (104°C)

100 µm Polyester - W Media: 100 micron, 99+% efficiency
- ID: "odd number" & "W" suffix: i.e. 1***5W***, 38***5W***P
- Temp min: -15°F (-26°C), max: 220°F (104°C)

Wire Mesh - S Media
- Epoxy coated pleated wire mesh
- ID: "even number" & "S" suffix: i.e. 27***4S***, 34***4S***P
- Expanded metal
- Temp min: -15°F (-26°C), max: 220°F (104°C)

Stainless Steel - S2 Media
- Stainless steel pleated wire mesh
- ID: "even number" & "S2" suffix: i.e. 23***4S2***
- Chemical resistant and high temperature resistant
- Stainless steel expanded metal
- Temp min: -15°F (-26°C), max: 220°F (104°C)
- Options: silicone or epoxy potting, viton gaskets

High Temperature

Nomex - MX Media: 5 Micron, 99+% efficiency
- ID: "odd number" & "MX" suffix: i.e. 37***7MX***
- Classification: ePM_{10} 80% (ISO 16890)
- Silicone potting
- Temperature min: -15°F (-26°C), max: 385°F (196°C)
- Reinforced epoxy coated steel wire on ID and OD

Nomex with Stainless Steel Support - MXD Media
- 5 micron, 99+% efficiency
- ID: "odd number" & "MX" suffix: i.e. 377***MXD***
- Classification: ePM_{10} 80% (ISO 16890)
- Silicone potting
- Reinforced stainless steel wire mesh on ID and OD
- Temperature min: -15°F (-26°C), max: 385°F (196°C)

Note 1: Elements rated for higher temperatures can be achieved with optional gasket material and potting compounds.

Note 2: Classifications are best estimates based on ISO 16890-1:2016.

Chemical Adsorption

Activated Carbon - AC Media: 10 micron, 99+% efficiency
- ID: "AC" prefix & "even number": i.e. ***AC***1***8***
- Removes gas or vapor odors, contaminants, & particulate
- Pleated media
- Reinforced with epoxy coated steel wire on both sides of cloth

Activated Carbon Granulate - ACG Media
- ID: "ACG" prefix & "even number": i.e. ***ACG***3***0***
- Removes gaseous or vapor odors
- Granulates are enclosed within a plain dutch wrap

Activated Alumina - AA Media
- ID: "AA" prefix & "even number": i.e. ***AA***85***0***
- Desiccant used in the adsorption of water & oil vapor and the prevention of backstreaming in pumps
- Adsorbs up to 40% of media's weight

Activated Carbon - GMAC Media
- 3 micron, 70% efficiency
- ID: "GMAC" prefix & "odd number": i.e. ***GMAC***23***5***
- Superior odor removal
- Chemically inert

Coalescing Media

PSG Media, FG Media, GL Media
- 0.3 micron, 99.97% efficiency
- ID: "PSG" prefix & "even number": i.e. ***PSG***34***4***
- ID: "FG" prefix: i.e. ***FG***9
- ID: "GL" prefix: i.e. ***GL***915
- Heavy duty industrial glass media, reinforced with epoxy coated steel wire & expanded metal
- Continuous operating temp: 68°F (20°C) to 180°F (80°C)
- Environmentally friendly sealing material
- High D.O.P. efficiency - low oil carryover
- Multiple media configurations, contact factory

Learn More

For more information about Solberg products and finding the right solutions for your equipment needs, visit us at **SolbergMfg.com**.

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