

# )LOWHU 0HGLD 6SHFLÀFDWLF

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ñ ...u W}oÇ •š Œ W U ðð=9 8 ] v Ç  
 v / W ^} vµ Œ\_~^À,230µu334Œ\_W ]X X í  
 v o ••]. Ÿ}vW íî µν Œ E íðîî/ŒK ïððîi•  
 vPleated industrial needle felt polyester media  
 vWo •Ÿ•}o %o}«vP  
 vd u%o u]vW ríñ&& ~rìð& •U u ŒW íîî&& ~  
 vZ ]v({Œ %o}ŒÇ } š •š o Á]Œ }v  
 î ...u W %o ŒW î u] Œ}vU ðð=9 8 ] v Ç  
 v / W ^ À v vµ 8Œ\_4W ]X X í  
 v o ••]. Ÿ}vW íî µν Œ /ŒK ïððîi•  
 vHeavy duty industrial strength paper  
 vWo •Ÿ•}o %o}«vP  
 v' oÀ v]î Œ%o v u š o  
 vd u%o Œ šµŒ u]vW ríñ&& ~rìð& •U u ŒW íîî&& ~

## ,]PZ 8 ] v Ç

í ...u W}oÇ •š Œ r • D ] W í u] Œ}vU ðð=9 8 ] v Ç  
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 v o ••]. Ÿ}vW íî µν Œ /ŒK ïððîi•  
 v %o}ŒÇ } š •š o Á]Œ }v }šZ •] •  
 vd u%o u]vW ríñ&& ~rìð& •U u ŒW íîî&& ~  
 vt •Z o r oµl Á Œu Á š Œ ~ u]o š ŒP  
 ð ...u W}oÇ •š Œ r E D ] W ð u] Œ}vU ðð=9 8 ] v Ç  
 v / W ^} vµ Œ\_~^EñE uŒŒW ]X X í  
 vd u%o u]vW ríñ&& ~rìð& •U u ŒW íîî&& ~  
 , W r , D i X i W u U ððXðó9  
 v / W ^, \_ %o Œ .Œ ~ ^ À ,v230µu334Œ\_W ]X X í  
 v o ••]. Ÿ}vW íî µν Œ E íðîî/ŒK ïððîi•  
 v, ÀÇ µšÇ ]v µ•šŒ] o •šŒ vPšZ Po ••  
 Œ%o v u š o  
 vD Œ]uµu }À Œ•] ]vP Œ <µ]Œ š }u]v]u  
 vWo •Ÿ•}o %o}«vP •š v Œ  
 vd u%o u]vW ríñ&& ~rìð& •U u ŒW íîî&& ~  
 vK%o Ÿ}v•W •]o] }v %o}«vPU À]š}v P •l š

h>W r h> DXíuW Œ}vU ððXððñ9 8 ] v Ç  
 v / W ^h>\_ %o Œ .Œ ~ ^ ÀL234µu Œ\_W ]X X í  
 v o ••]. Ÿ}vW íð µν Œ E íðîî/ŒK ðñ, µν  
 vWo •Ÿ•}o %o}«vP  
 vd u%o u]vW ríñ&& ~rìð& •U u ŒW íîî&& ~  
 vK%o Ÿ}v•W •]o] }v %o}«vPU À]š}v P •l š  
 µš Z d Á]o o t Œ . r d D ]  
 y / W ^ k \_ %o Œ .Œ ~ ^ }DT245µu Œ\_W ]X X í  
 v o ••]. Ÿ}vW íî µν Œ /ŒK ïððîi•  
 vStainless steel woven wire cloth  
 vs]š}v P •l š • ~ %o}ŒÇ %o}«vP  
 vd u%o u]vW ríñ&& ~rìð& •U u ŒW íðñ&&

## Z u] o l &}} l WZ Œu µŸ

Œ]vPí&& Œšio t Œ Œ D •Z r Œi D ]  
 vStainless steel pleated wire mesh  
 v / W ^ À v vµ Œ\_~^4\$2 •µ8ŒW ]X X í  
 v Œ š ]vo •• •š o Œ%o v u š o  
 vChemical resistant and high temperature resistant  
 v À ]o o Á]šZ •]o] }v v %o•  
 W}oÇ %o Œ} %o Ç o v ~W W •Œ}vU ðð=9 8 ] v Ç  
 v / W ^ } vµ Œ\_~^zíz345ŒW ]X X í  
 v %o}ŒÇ } š •š o Á]Œ }v / v K  
 W d & r d' DXíuW Œ}vU ððXñ9 8 ] v Ç  
 v / W ^ d \_ %o Œ .Œ ~ ^ }TGv45µu Œ\_W ]X X í  
 v o ••]. Ÿ}vW íî µν Œ E íðîî/ŒK ïñ µν  
 vHigh temperature, chemical, & moisture resistant  
 vK%o Ÿ}v•W À]š}v P •l š •U %o}ŒÇ %o}«vP  
 v d u%o ~]vš Œu]© vš•W h%o š }ððî&& ~îñi  
 W d & r d & b' Œ W i X i u] Œ}vU ððXñ9 8 ]  
 v / W ^ d & \_ %o Œ .Œ ~ ^ }PFí65µu Œ\_W ]X X í  
 v o ••]. Ÿ}vW íî µν Œ E íðîî/ŒK ïñ µν  
 vChemical & moisture resistant  
 vMinimal pressure drop  
 v d u%o ~]vš Œu]© vš•W íîî&& ~íð& •  
 vK%o Ÿ}v•W À]š}v P •l š •U %o}ŒÇ %o}«vP

# 18S Element Data Sheet

**AIR TEC**

AIR SYSTEMS

## PPS - RY Media

- Broad chemical resistant media, high temp
- ID: "RY" prefix & "odd number": i.e. **RY485**
- Temp min: -15°F (-26°C), max: 220°F (104°C)
- Options: viton gaskets, epoxy potting

## Coarse Efficiency

### 25 µm Polyester - U Media: 25 micron, 99+% efficiency

- ID: "odd number" & "U" suffix: i.e. **19U, 685UP**
- 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. **15W, 385WP**
- 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. **274S, 344SP**
- 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. **234S2**
- 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. **377MX**
- Classification: ePM<sub>10</sub> 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. **377MXD**
- Classification: ePM<sub>10</sub> 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. **AC18**
- 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. **ACG30**
- Removes gaseous or vapor odors
- Granulates are enclosed within a polyester wrap and expanded metal on the ID and OD

### Activated Alumina - AA Media

- ID: "AA" prefix & "even number": i.e. **AA850**
- 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. **GMAC235**
- 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. **PSG344**
- ID: "FG" prefix: i.e. **FG9**
- ID: "GL" prefix: i.e. **GL915**
- 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



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