

## General Product Description

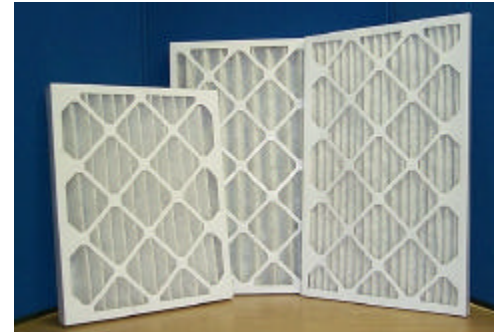
AeroMed™ air filters provide innovative solutions for healthcare facilities. AeroMed™ pleated filters are available in economy, standard and high capacity models with an average efficiency rating of 25-30%. Unlike many competitive brands that use a less efficient, outdated cotton/poly media, AeroMed™ pleated filters utilize a 100% synthetic, gradient density non-woven media, which represents the latest in pleated filter media technology. It is totally hydrophobic so it will not absorb moisture. AeroMed™ pleated filters are made of durable, heavy-duty construction. An expanded metal retainer is bonded to the air leaving side of the media to maintain uniform pleat spacing and to eliminate vibration of the pleat pack. The pleat pack is enclosed in a strong, double-wall beverage board frame, which resists moisture from humidity or intermittent rain. For additional frame rigidity, all diagonal supports of the beverage board frame are securely bonded to the pleats



*Expanded metal pleat support*

## Applications

The AeroMed™ pleated filter can be used to upgrade from less efficient fiberglass or polyester disposable filters or as pre-filters to dramatically increase the life of more expensive high efficiency filters.



## Benefits

- Moisture resistant synthetic media and beverage board frame
- High dust holding capacity results in long service life
- Rigid, durable construction
- Low pressure drop
- Excellent pleat spacing for optimum media usage
- Available in 1", 2", & 4" depths
- Makes upgrading from disposable flat panel filters simple. Typical upgrades require no modifications to holding frames or filter housings.

## Filter Specifications

- Filter frame: double wall beverage board
- Filter media: 100% synthetic with gradient density fibers
- U.L. classification: U.L. Class 2
- Operating Temperature Limits: 150 degrees F, 66 degrees C
- Recommended Final Resistance: 1.0" w.g. – all models
- Actual Depth:
  - 1" nominal = 7/8"
  - 2" nominal = 1 3/4"
  - 4" nominal = 3 5/8"

### Pleated Filters – Standard Capacity Pleats Detail Specifications

| Part Number | Nominal Size | Average Efficiency | Rated Air Flow Capacity (CFM) |      |      | Initial Resistance ("w.g.) |      |      | Recommended Final Resistance ("w.g.) | Media Area Square Feet |
|-------------|--------------|--------------------|-------------------------------|------|------|----------------------------|------|------|--------------------------------------|------------------------|
|             |              |                    | Low                           | Med  | High | Low                        | Med  | High |                                      |                        |
| AMPS-0124   | 12 x 24 x 1  | 25-30%             | 600                           | 1000 | -    | 0.20                       | 0.39 | -    | 1.0                                  | 3.1                    |
| AMPS-0162   | 16 x 20 x 1  | 25-30%             | 650                           | 1100 | -    | 0.20                       | 0.39 | -    | 1.0                                  | 4.8                    |
| AMPS-0165   | 16 x 25 x 1  | 25-30%             | 850                           | 1400 | -    | 0.20                       | 0.39 | -    | 1.0                                  | 6.0                    |
| AMPS-0100   | 20 x 20 x 1  | 25-30%             | 850                           | 1400 | -    | 0.20                       | 0.39 | -    | 1.0                                  | 5.9                    |
| AMPS-0105   | 20 x 25 x 1  | 25-30%             | 1050                          | 1750 | -    | 0.20                       | 0.39 | -    | 1.0                                  | 7.4                    |
| AMPS-0144   | 24 x 24 x 1  | 25-30%             | 1200                          | 2000 | -    | 0.20                       | 0.39 | -    | 1.0                                  | 8.5                    |
| AMPS-0224   | 12 x 24 x 2  | 25-30%             | 600                           | 1000 | 1250 | 0.13                       | 0.25 | 0.37 | 1.0                                  | 5.7                    |
| AMPS-0262   | 16 x 20 x 2  | 25-30%             | 650                           | 1100 | 1375 | 0.13                       | 0.25 | 0.37 | 1.0                                  | 6.8                    |
| AMPS-0265   | 16 x 25 x 2  | 25-30%             | 850                           | 1400 | 1750 | 0.13                       | 0.25 | 0.37 | 1.0                                  | 8.5                    |
| AMPS-0200   | 20 x 20 x 2  | 25-30%             | 850                           | 1400 | 1750 | 0.13                       | 0.25 | 0.37 | 1.0                                  | 8.4                    |
| AMPS-0204   | 20 x 24 x 2  | 25-30%             | 1000                          | 1650 | 2100 | 0.13                       | 0.25 | 0.37 | 1.0                                  | 10.1                   |
| AMPS-0205   | 20 x 25 x 2  | 25-30%             | 1050                          | 1750 | 2190 | 0.13                       | 0.25 | 0.37 | 1.0                                  | 10.5                   |
| AMPS-0244   | 24 x 24 x 2  | 25-30%             | 1200                          | 2000 | 2500 | 0.13                       | 0.25 | 0.37 | 1.0                                  | 12.0                   |
| AMPS-0424   | 12 x 24 x 4  | 25-30%             | 600                           | 1000 | 1250 | 0.14                       | 0.22 | 0.32 | 1.0                                  | 11.7                   |
| AMPS-0460   | 16 x 20 x 4  | 25-30%             | 650                           | 1100 | 1375 | 0.14                       | 0.22 | 0.32 | 1.0                                  | 12.9                   |
| AMPS-0465   | 16 x 25 x 4  | 25-30%             | 850                           | 1400 | 1750 | 0.14                       | 0.22 | 0.32 | 1.0                                  | 16.2                   |
| AMPS-0400   | 20 x 20 x 4  | 25-30%             | 850                           | 1400 | 1750 | 0.14                       | 0.22 | 0.32 | 1.0                                  | 16.2                   |
| AMPS-0404   | 20 x 24 x 4  | 25-30%             | 1000                          | 1650 | 2100 | 0.14                       | 0.22 | 0.32 | 1.0                                  | 19.0                   |
| AMPS-0405   | 20 x 25 x 4  | 25-30%             | 1050                          | 1750 | 2190 | 0.14                       | 0.22 | 0.32 | 1.0                                  | 20.2                   |
| AMPS-0444   | 24 x 24 x 4  | 25-30%             | 1200                          | 2000 | 2500 | 0.14                       | 0.22 | 0.32 | 1.0                                  | 22.5                   |

### Pleated Filters – High Capacity Pleats Detail Specifications

| Part Number | Nominal Size | Average Efficiency | Rated Air Flow Capacity (CFM) |      |      | Initial Resistance ("w.g.) |      |      | Recommended Final Resistance ("w.g.) | Media Area Square Feet |
|-------------|--------------|--------------------|-------------------------------|------|------|----------------------------|------|------|--------------------------------------|------------------------|
|             |              |                    | Low                           | Med  | High | Low                        | Med  | High |                                      |                        |
| AMPH-0124   | 12 x 24 x 1  | 25-30%             | 600                           | 1000 | -    | 0.20                       | 0.38 | -    | 1.0                                  | 4.3                    |
| AMPH-0162   | 16 x 20 x 1  | 25-30%             | 650                           | 1100 | -    | 0.20                       | 0.38 | -    | 1.0                                  | 4.8                    |
| AMPH-0165   | 16 x 25 x 1  | 25-30%             | 850                           | 1400 | -    | 0.20                       | 0.38 | -    | 1.0                                  | 6.1                    |
| AMPH-0100   | 20 x 20 x 1  | 25-30%             | 850                           | 1400 | -    | 0.20                       | 0.38 | -    | 1.0                                  | 6.0                    |
| AMPH-0105   | 20 x 25 x 1  | 25-30%             | 1050                          | 1750 | -    | 0.20                       | 0.38 | -    | 1.0                                  | 7.6                    |
| AMPH-0144   | 24 x 24 x 1  | 25-30%             | 1200                          | 2000 | -    | 0.20                       | 0.38 | -    | 1.0                                  | 8.9                    |
| AMPH-0224   | 12 x 24 x 2  | 25-30%             | 600                           | 1000 | 1250 | 0.15                       | 0.28 | 0.35 | 1.0                                  | 9.4                    |
| AMPH-0262   | 16 x 20 x 2  | 25-30%             | 650                           | 1100 | 1375 | 0.15                       | 0.28 | 0.35 | 1.0                                  | 9.9                    |
| AMPH-0265   | 16 x 25 x 2  | 25-30%             | 850                           | 1400 | 1750 | 0.15                       | 0.28 | 0.35 | 1.0                                  | 12.4                   |
| AMPH-0200   | 20 x 20 x 2  | 25-30%             | 850                           | 1400 | 1750 | 0.15                       | 0.28 | 0.35 | 1.0                                  | 12.5                   |
| AMPH-0204   | 20 x 24 x 2  | 25-30%             | 1000                          | 1650 | 2100 | 0.15                       | 0.28 | 0.35 | 1.0                                  | 15.0                   |
| AMPH-0205   | 20 x 25 x 2  | 25-30%             | 1050                          | 1750 | 2190 | 0.15                       | 0.28 | 0.35 | 1.0                                  | 15.7                   |
| AMPH-0244   | 24 x 24 x 2  | 25-30%             | 1200                          | 2000 | 2500 | 0.15                       | 0.28 | 0.35 | 1.0                                  | 17.6                   |
| AMPH-0424   | 12 x 24 x 4  | 25-30%             | 600                           | 1000 | 1250 | 0.14                       | 0.25 | 0.33 | 1.0                                  | 12.8                   |
| AMPH-0460   | 16 x 20 x 4  | 25-30%             | 650                           | 1100 | 1375 | 0.14                       | 0.25 | 0.33 | 1.0                                  | 14.0                   |
| AMPH-0465   | 16 x 25 x 4  | 25-30%             | 850                           | 1400 | 1750 | 0.14                       | 0.25 | 0.33 | 1.0                                  | 17.5                   |
| AMPH-0400   | 20 x 20 x 4  | 25-30%             | 850                           | 1400 | 1750 | 0.14                       | 0.25 | 0.33 | 1.0                                  | 18.3                   |
| AMPH-0404   | 20 x 24 x 4  | 25-30%             | 1000                          | 1650 | 2100 | 0.14                       | 0.25 | 0.33 | 1.0                                  | 22.6                   |
| AMPH-0405   | 20 x 25 x 4  | 25-30%             | 1050                          | 1750 | 2190 | 0.14                       | 0.25 | 0.33 | 1.0                                  | 22.9                   |
| AMPH-0444   | 24 x 24 x 4  | 25-30%             | 1200                          | 2000 | 2500 | 0.14                       | 0.25 | 0.33 | 1.0                                  | 27.1                   |