

PRODUCT OVERVIEW

- Available in 40% and 60% efficiency
- Available as Complete Filter or Element Only
- Ideal for use in:
 - Industrial
 - Commercial
 - Hospitals/Health Care Facilities



HIGH TEMPERATURE PLEAT

WHY A HIGH TEMP PLEAT?

- Ultra-fine fiberglass media
 - High dust holding capacity
 - Long service life
 - As pre-filter, extends life of expensive high-efficiency filters
- Metal grid welded to frame increases filter rigidity
- Bonded media promotes optimal filtration efficiency
 - Bond to metal grid prevents media fluttering
 - Metal frame helps maintain pleat uniformity
 - Media pack bound to heavy-duty galvanized metal frame
 - Air by-pass virtually eliminated
 - Can be used in almost any side-access housing or built-up filter bank



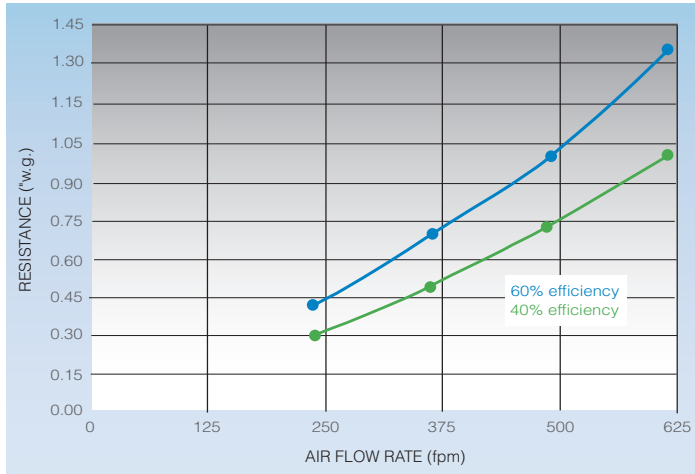
HIGH TEMPERATURE PLEAT

PERFORMANCE DATA (24 x 24 x 2)

| CAPACITY | FILTER EFFICIENCY | INITIAL RESISTANCE ("w.g.) | | FINAL RESISTANCE ("w.g.) † |
|----------|-------------------|----------------------------|---------|----------------------------|
| | | 375 fpm | 500 fpm | |
| Standard | 40% Efficiency | 0.50 | 0.74 | 1.5 |

† Recommended final resistance. System may dictate a lower change-out point.

INITIAL RESISTANCE (24 x 24 x 2)



PRODUCT DATA (40% EFFICIENCY)

| PART NUMBER | ELEMENT ONLY | NOMINAL SIZE* (H" x W" x D") | ACTUAL SIZE** (H" x W" x D") | CFM CAPABILITIES | |
|-------------|--------------|------------------------------|------------------------------|------------------|---------|
| | | | | 375 fpm | 500 fpm |
| 14379 | 16312 | 12 x 24 x 2 | 11 3/8 x 23 3/8 x 1 3/4 | 750 | 1000 |
| 14380 | 16313 | 16 x 20 x 2 | 15 1/2 x 19 1/2 x 1 3/4 | 825 | 1100 |
| 14381 | 16314 | 16 x 25 x 2 | 15 1/2 x 24 1/2 x 1 3/4 | 1050 | 1400 |
| 14382 | 16315 | 20 x 20 x 2 | 19 1/2 x 19 1/2 x 1 3/4 | 1050 | 1400 |
| 14383 | 16316 | 20 x 25 x 2 | 19 1/2 x 24 1/2 x 1 3/4 | 1300 | 1750 |
| 14384 | 16317 | 24 x 24 x 2 | 23 3/8 x 23 3/8 x 1 3/4 | 1500 | 2000 |

* 1" and 4" depth filters and elements are available upon request.

** Actual sizes do not apply to elements due to their flexibility.

ENGINEERING SPECIFICATIONS

1.0 General

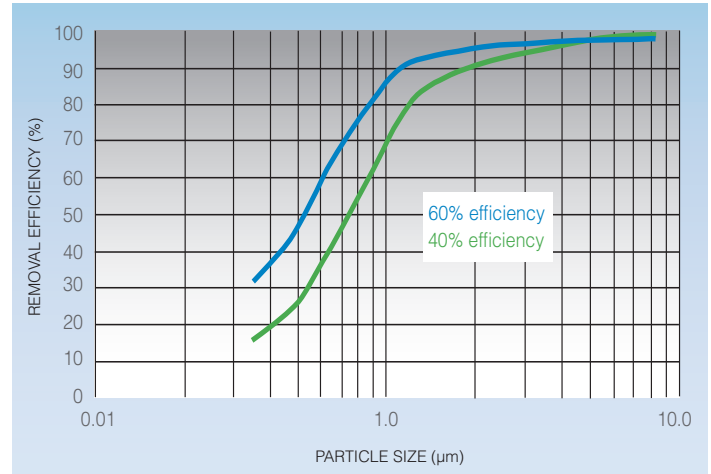
- 1.1 Filters shall be Aerostar® High Temperature Pleats as manufactured by Filtration Group.
- 1.2 Filters shall be available as a complete filter or element only.
- 1.3 Underwriters Laboratories classified to UL 900.
- 1.4 Filters are manufactured by an ISO 9001 registered company.

2.0 Filter Materials of Construction

- 2.1 Media shall be fiberglass backed with woven fiberglass mat.
- 2.2 Frame shall be aluminized steel frame and downstream face grill. Frame shall be recyclable.

| CAPACITY | FILTER EFFICIENCY | INITIAL RESISTANCE ("w.g.) | | FINAL RESISTANCE ("w.g.) † |
|----------|-------------------|----------------------------|---------|----------------------------|
| | | 375 fpm | 500 fpm | |
| High | 60% Efficiency | 0.71 | 1.02 | 1.5 |

MINIMUM REMOVAL EFFICIENCY (24 x 24 x 2)



(60% EFFICIENCY)

| PART NUMBER | ELEMENT ONLY | NOMINAL SIZE* (H" x W" x D") | ACTUAL SIZE** (H" x W" x D") | CFM CAPABILITIES | |
|-------------|--------------|------------------------------|------------------------------|------------------|---------|
| | | | | 375 fpm | 500 fpm |
| 14372 | 16306 | 12 x 24 x 2 | 11 3/8 x 23 3/8 x 1 3/4 | 750 | 1000 |
| 14373 | 16307 | 16 x 20 x 2 | 15 1/2 x 19 1/2 x 1 3/4 | 825 | 1100 |
| 14374 | 16308 | 16 x 25 x 2 | 15 1/2 x 24 1/2 x 1 3/4 | 1050 | 1400 |
| 14375 | 16309 | 20 x 20 x 2 | 19 1/2 x 19 1/2 x 1 3/4 | 1050 | 1400 |
| 14376 | 16310 | 20 x 25 x 2 | 19 1/2 x 24 1/2 x 1 3/4 | 1300 | 1750 |
| 14378 | 16311 | 24 x 24 x 2 | 23 3/8 x 23 3/8 x 1 3/4 | 1500 | 2000 |

3.0 Filter Performance

- 3.1 Filters shall be MERV 12 and MERV 13 when tested in accordance with ASHRAE 52.2 Test Standard.
- 3.2 For initial resistance of filters, see Performance Data chart above.
- 3.3 Filters shall have a maximum temperature of 500° F.
- 3.4 Filters shall be able to operate in 100% relative humidity.