



GP-EG GAS/STEAM FILTER HOUSINGS

Process Filtration

STAINLESS STEEL GAS/STEAM FILTER HOUSINGS

GP-EG Filter Housings are Designed For Purification of Compressed Air, Technical Gases and Steam

- Available in 18 sizes; capacity ranges from 35 to 12,700 scfm at 100 psig
- Filter housings have an electropolished or bead blast surface finish
- Equipped with NPT thread or flange connections depending on size
- Designed to yield low differential pressure at high flow rates
- Optional connections available for adaption to individual requirements
- Standard housings utilize R.P. Adams filter elements with two-inch, double O-Ring, plug-in connections

A broad selection of filter elements is available to meet compatibility and micron rating requirements of specific, individual processes.



GP-EG

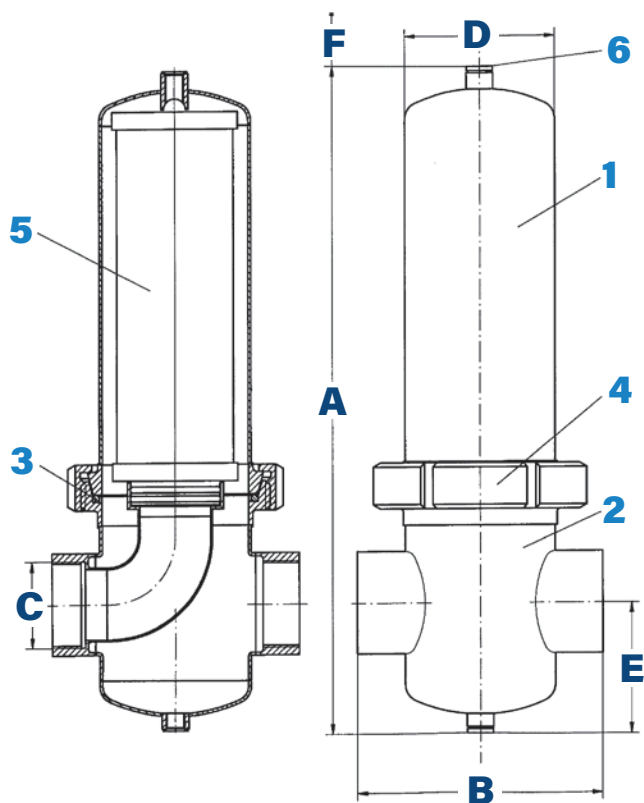
| MATERIALS | |
|----------------|---|
| Filter Housing | 304 SS 316L SS <i>Upon Request</i> |
| Sealing Nut | 304 SS |
| Plug | 304 SS/ PTFE Gasket |
| Housing Gasket | EPDM <i>Other Gaskets Available Upon Request</i> |

| SURFACE FINISH | |
|----------------|--|
| INNER | |
| 0006-0288 | Pickled, Passivated to Ra 63 |
| 0432-1920 | Bead Blast |
| OUTER | |
| 0006-0288 | Pickled, Passivated, Polished to Ra 63 |
| 0432-1920 | Bead Blast |

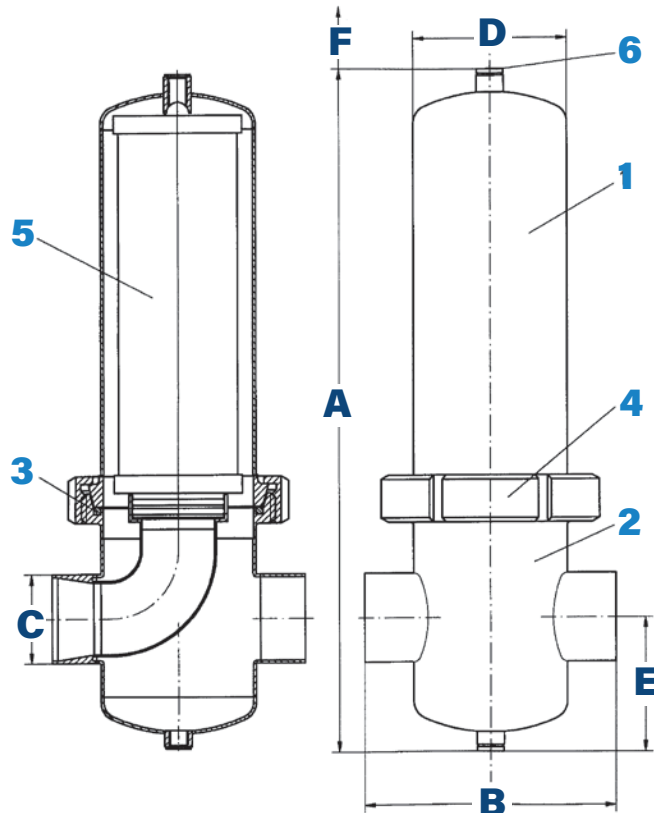
| DESIGN PRESSURE AND TEMPERATURE | | |
|---------------------------------|-------------|------------------|
| Housing | | Capacity |
| FNPT | (0006-0192) | 232 psig @ 392°F |
| FNPT | (0288) | 174 psig @ 392°F |
| ANSI Flange | (0027-0192) | 232 psig @ 302°F |
| ANSI Flange | (0288) | 174 psig @ 302°F |
| ANSI Flange | (0432-1920) | 150 psig @ 450°F |

| CONNECTION TYPES | |
|---|--|
| NPT Thread Connection Standard For 0006-0288 Single Element Housing | |
| ANSI Flange Standard For 0432-1920; Optional Up To 0288 | |
| Welded End Optional | |
| Other Connections And Bigger Housings <i>Available Upon Request</i> | |

DIMENSIONS



WITH THREAD CONNECTION



WITH BUTTWELD END

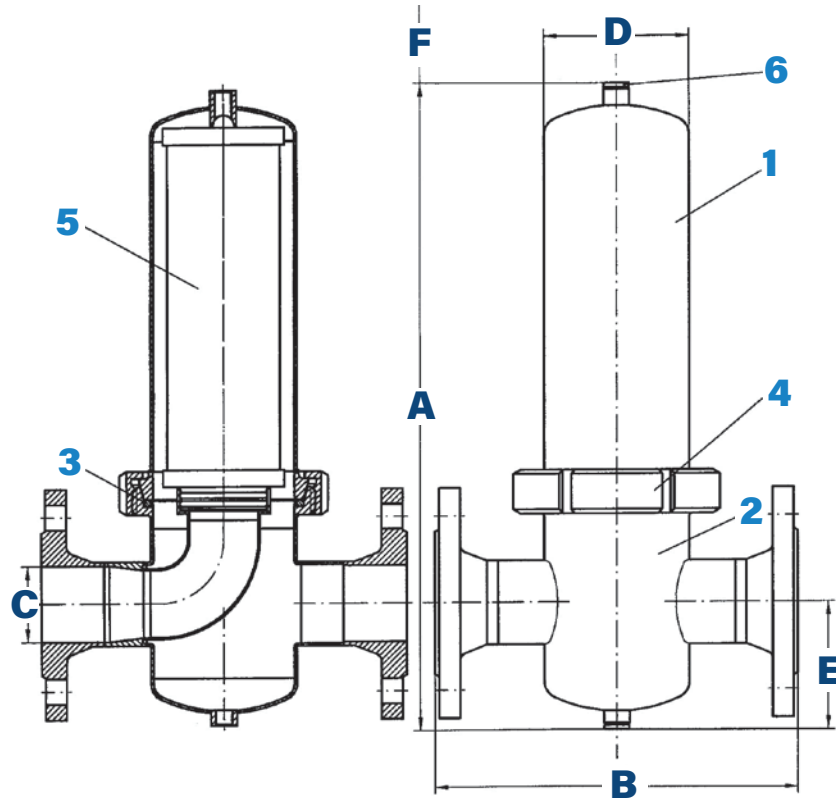
| NO. | QTY. | DESCRIPTION |
|-----|------|--------------------|
| 1 | 1 | Upper Housing Bowl |
| 2 | 1 | Lower Housing Bowl |
| 3 | 1 | Housing Gasket |

| NO. | QTY. | DESCRIPTION |
|-----|------|----------------|
| 4 | 1 | Sealing Nut |
| 5 | 1 | Filter Element |
| 6 | 2 | Plug |

| Size | Volume (Gal.) | Weight* (Lbs.) | Dimensions (Inches) | | | | | Element Size | | |
|------|---------------|----------------|---------------------|--------|----------------|--------------|------|--------------|----|-------|
| | | | A | B | C | | D | | E | F |
| | | | | ± .125 | Thread Connect | Buttweld End | | | | |
| 0006 | 0.1 | 4 | 8.31 | 4.17 | 0.25 | 0.375 | 2.76 | 2.01 | 4 | 03/10 |
| 0009 | 0.2 | 4 | 9.57 | 4.29 | 0.375 | 0.375 | 2.76 | 2.09 | 5 | 04/10 |
| 0012 | 0.2 | 4 | 9.43 | 4.29 | 0.50 | 0.50 | 2.76 | 2.01 | 5 | 04/20 |
| 0018 | 0.2 | 4 | 10.35 | 4.92 | 0.75 | 0.75 | 2.76 | 2.01 | 6 | 05/20 |
| 0027 | 0.3 | 6 | 11.40 | 4.92 | 1.00 | 1.00 | 3.35 | 2.80 | 6 | 05/25 |
| 0036 | 0.3 | 7 | 13.19 | 5.51 | 1.25 | 1.25 | 3.35 | 2.64 | 8 | 07/25 |
| 0048 | 0.6 | 9 | 14.88 | 6.69 | 1.50 | 1.50 | 4.09 | 3.50 | 8 | 07/30 |
| 0072 | 0.9 | 11 | 17.76 | 6.69 | 2.00 | 2.00 | 4.09 | 3.50 | 11 | 10/30 |
| 0108 | 1.1 | 12 | 22.81 | 6.69 | 2.00 | 2.00 | 4.09 | 3.50 | 18 | 15/30 |
| 0144 | 2.1 | 20 | 28.48 | 8.50 | 2.50 | 2.50 | 5.08 | 3.90 | 23 | 20/30 |
| 0192 | 2.9 | 24 | 38.71 | 8.50 | 3.00 | 3.00 | 5.08 | 4.04 | 33 | 30/30 |
| 0288 | 4.4 | 36 | 40.72 | 9.45 | 3.00 | 3.00 | 6.06 | 4.32 | 33 | 30/50 |

*Without Filter Element

DIMENSIONS



WITH FLANGE CONNECTION ANSI 150 LB

| NO. | QTY. | DESCRIPTION |
|-----|------|--------------------|
| 1 | 1 | Upper Housing Bowl |
| 2 | 1 | Lower Housing Bowl |
| 3 | 1 | Housing Gasket |

| NO. | QTY. | DESCRIPTION |
|-----|------|----------------|
| 4 | 1 | Sealing Nut |
| 5 | 1 | Filter Element |
| 6 | 2 | Plug |

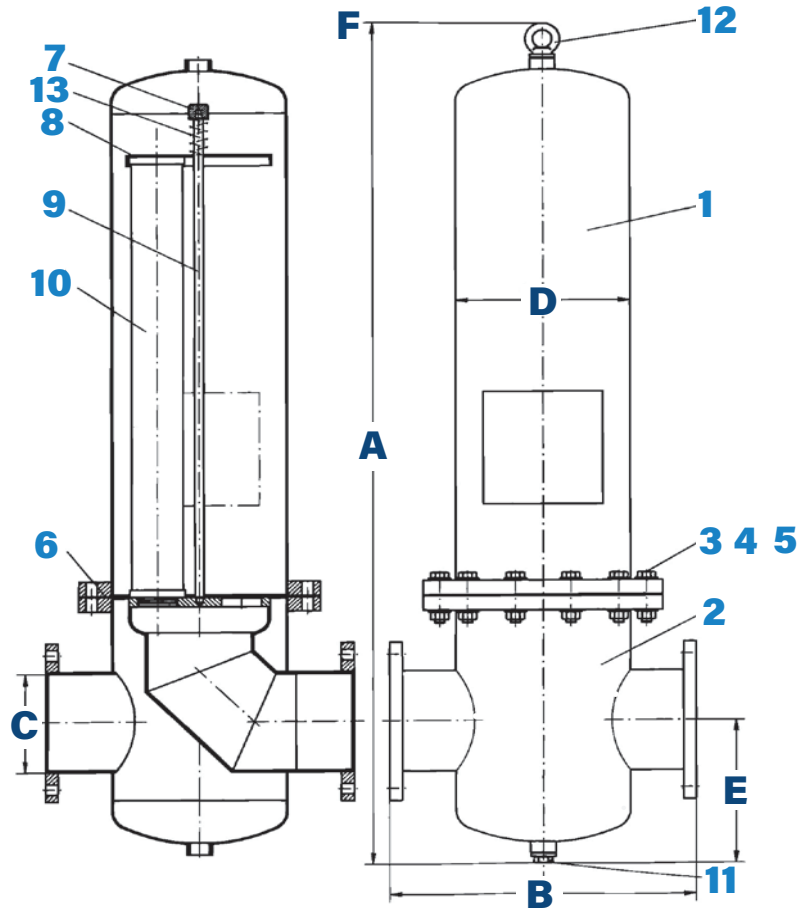
| Size | Volume (Gal.) | Weight* (Lbs.) | Dimensions (Inches) | | | | | | Element Size |
|------|---------------|----------------|---------------------|----------|------|------|------|----|--------------|
| | | | A | B ± .125 | C** | D | E | F | |
| 0006 | 0.1 | 6 | 8.5 | 8.00 | 0.50 | 3 | 2 | 4 | 03/10 |
| 0009 | 0.2 | 6 | 9.5 | 8.00 | 0.50 | 3 | 2 | 5 | 04/10 |
| 0012 | 0.2 | 4 | 9.19 | 8.00 | 0.50 | 2.76 | 1.87 | 5 | 04/20 |
| 0018 | 0.2 | 8 | 10.13 | 9.06 | 0.75 | 2.76 | 1.87 | 6 | 05/20 |
| 0027 | 0.3 | 11 | 11.0 | 9.69 | 1.00 | 3.35 | 2.60 | 6 | 05/25 |
| 0036 | 0.3 | 14 | 13.19 | 10.02 | 1.25 | 3.35 | 2.64 | 8 | 07/25 |
| 0048 | 0.6 | 18 | 14.87 | 11.57 | 1.50 | 4.09 | 3.50 | 8 | 07/30 |
| 0072 | 0.9 | 22 | 17.80 | 11.69 | 2.00 | 4.09 | 3.50 | 11 | 10/30 |
| 0108 | 1.1 | 23 | 22.80 | 11.69 | 2.00 | 4.09 | 3.50 | 18 | 15/30 |
| 0144 | 2.1 | 33 | 28.55 | 13.38 | 2.50 | 5.08 | 3.90 | 23 | 20/30 |
| 0192 | 2.9 | 40 | 38.86 | 13.38 | 3.00 | 5.08 | 4.06 | 33 | 30/30 |
| 0288 | 4.4 | 52 | 40.01 | 14.95 | 3.00 | 6.06 | 4.33 | 33 | 30/50 |

* Without Filter Element

**150 Lbs. ANSI B 16.5

DIMENSIONS

- 1 Upper Housing Bowl**
- 2 Lower Housing Bowl**
- 3 Hexagon Bolt**
- 4 Washer**
- 5 Nut**
- 6 Gasket**
- 7 Bracket Bolt**
- 8 Bracket Plate**
- 9 Tie Rod**
- 10 Filter Element**
- 11 Plug**
- 12 Lifting Eye Bolts**
- 13 Spring**



WITH FLANGE CONNECTION

| Size | Volume (Gal.) | Weight* (Lbs.) | Dimensions (Inches) | | | | | | Quantity | Element Size |
|------|---------------|----------------|---------------------|----------|---|-------|-------|----|----------|--------------|
| | | | A | B ± .125 | C | D | E | F | | |
| 0432 | 9.5 | 140 | 36.66 | 16.14 | 4 | 8.62 | 7.25 | 23 | 3 | 20/30 |
| 0576 | 11.9 | 183 | 46.66 | 16.14 | 4 | 8.62 | 7.25 | 33 | 3 | 30/30 |
| 0768 | 20.3 | 220 | 53.13 | 18.90 | 6 | 10.75 | 9.00 | 33 | 4 | 30/30 |
| 1152 | 29.1 | 338 | 54.79 | 21.26 | 6 | 12.75 | 8.82 | 33 | 6 | 30/30 |
| 1536 | 50.2 | 628 | 62.63 | 26.00 | 8 | 16.0 | 15.82 | 33 | 8 | 30/30 |
| 1920 | 50.2 | 628 | 60.50 | 25.98 | 8 | 16.0 | 13.87 | 33 | 10 | 30/30 |

* Without Filter Element ** 150 Lbs. ANSI B 16.5



R.P. ADAMS

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Notice: This document is not intended as a replacement for careful review of all applicable laws, regulations, and standards. It is the user's responsibility to design, use, and maintain a steam system in accordance with all applicable laws, regulations and standards. Many factors beyond the control of R.P. ADAMS can affect the use and performance of R.P. ADAMS products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, specifications, availability and data are subject to change without notice, and may vary by region or country.

