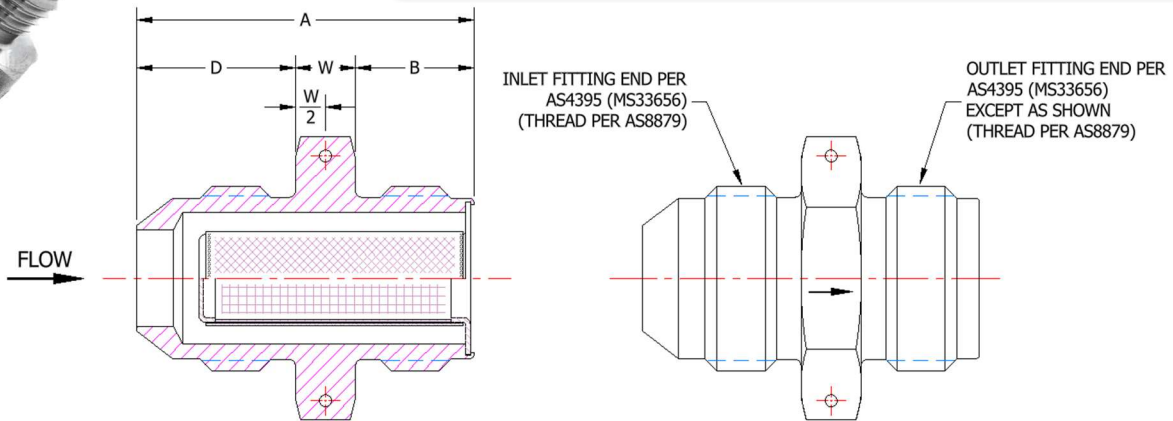


# FILTER FITTING, FLARED (FOR AS5174 (AN815) APPLICATIONS)



\*NOTE: SUPPORT MESH OMITTED FOR 250 MICRONS AND GREATER

## PART NUMBER DEFINITION: 84400 - 1 2 - 3

- ADD "P" FOLLOWING MAIN PART NUMBER (84400P) FOR PASSIVATION
- STANDARD PASSIVATION: AMS 2700, METHOD 1, TYPE 2, CLASS 2
- MATERIAL: CRES PER AMS-QQ-S-763, CHEMICAL COMPOSITION ONLY
- FILTER MEDIUM: FILTER CAPABLE OF FILTERING LIQUIDS AND GASES
- FILTER MEDIA: SINTERED STAINLESS STEEL WOVEN WIRE MESH
- STANDARD FILTER ELEMENT MATERIAL: 304 CRES ONLY
- STANDARD FITTING MATERIAL: 304 CRES
- ALTERNATE FITTING MATERIAL: 303 CRES, 316 CRES & 321 CRES
- FOR ALTERNATE MATERIAL LISTED, CONSULT FACTORY FOR AVAILABILITY

### ADDITIONAL PART INFORMATION:

- MICRON RATING VERIFICATION: PARTICLE CONTROL ASSURED BY BUBBLE POINT TEST PER ARP-901
- OPERATING TEMPERATURE RANGE: -180°F TO +550°F
- CONSTRUCTION: FILTER ELEMENT IS RESISTANCE WELDED AND PERMANENTLY SPIN SWAGED INTO FITTING

### PLEASE NOTE:

- STANDARD PARTS ARE NOT READILY AVAILABLE; HOWEVER, WE MAINTAIN INVENTORY OF SUB-COMPONENTS TO MINIMIZE DELIVERY TIME ONCE AN ORDER IS PLACED
  - ANY MODIFICATIONS TO STANDARD PART WILL BE RECLASSIFIED AS A CUSTOM PART, REQUIRING A UNIQUE PART NUMBER

### PART NUMBER EXAMPLES: 84400-4-17 OR 84400P-6K-40

| Dash No<br><span style="border: 1px solid blue; padding: 2px;">1</span> | Tube OD | A<br>MAX | D<br>± .005 | (W)<br>REFERENCE | B<br>MAX | Material<br><span style="border: 1px solid blue; padding: 2px;">2</span> |
|-------------------------------------------------------------------------|---------|----------|-------------|------------------|----------|--------------------------------------------------------------------------|
| 4                                                                       | .250"   | 1.14"    | .550"       | .150"            | .435"    |                                                                          |
| 5                                                                       | .312"   | 1.16"    | .550"       | .150"            | .450"    | 304                                                                      |
| 6                                                                       | .375"   | 1.27"    | .556"       | .263"            | .435"    | C (303)                                                                  |
| 8                                                                       | .500"   | 1.41"    | .657"       | .248"            | .495"    | K (316)                                                                  |
| 10                                                                      | .625"   | 1.65"    | .758"       | .312"            | .585"    | R (321)                                                                  |
| 12                                                                      | .750"   | 1.90"    | .864"       | .381"            | .642"    |                                                                          |

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| Micron<br><span style="border: 1px solid blue; padding: 2px;">3</span> | When Filtering Liquids        |                                 | When Filtering Gasses         |                                 |
|------------------------------------------------------------------------|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|                                                                        | Nominal Micron<br>98% Removal | Absolute Micron<br>100% Removal | Nominal Micron<br>98% Removal | Absolute Micron<br>100% Removal |
| 02                                                                     | 2                             | 15                              | 1                             | 9                               |
| 05                                                                     | 5                             | 18                              | 3.5                           | 13                              |
| 10                                                                     | 10                            | 25                              | 6                             | 18                              |
| 17                                                                     | 17                            | 45                              | 11                            | 25                              |
| 40                                                                     | 40                            | 65                              | 30                            | 55                              |
| 70                                                                     | 70                            | 105                             | 50                            | 85                              |
| 105                                                                    | 105                           | 150                             | 85                            | 130                             |
| 145                                                                    | 145                           | 205                             | 120                           | 175                             |
| 250*                                                                   | 250                           | 350                             | 200                           | 300                             |

| CALCULATED DATA |                                                     |                              |                                                     |                              |
|-----------------|-----------------------------------------------------|------------------------------|-----------------------------------------------------|------------------------------|
| MICRON          | FILTER ELEMENT DATA FOR A<br>DASH 4 (.250" TUBE OD) |                              | FILTER ELEMENT DATA FOR A<br>DASH 5 (.312" TUBE OD) |                              |
|                 | EFFECTIVE<br>FILTRATION AREA                        | MINIMUM COLLAPSE<br>PRESSURE | EFFECTIVE<br>FILTRATION AREA                        | MINIMUM COLLAPSE<br>PRESSURE |
| 02              | 0.49 SQ IN.                                         | 500 PSID                     | 0.61 SQ IN.                                         | 500 PSID                     |
| 05              | 0.49 SQ IN.                                         | 720 PSID                     | 0.62 SQ IN.                                         | 500 PSID                     |
| 10              | 0.49 SQ IN.                                         | 720 PSID                     | 0.62 SQ IN.                                         | 500 PSID                     |
| 17              | 0.50 SQ IN.                                         | 790 PSID                     | 0.62 SQ IN.                                         | 500 PSID                     |
| 40              | 0.50 SQ IN.                                         | 950 PSID                     | 0.62 SQ IN.                                         | 655 PSID                     |
| 70              | 0.50 SQ IN.                                         | 950 PSID                     | 0.62 SQ IN.                                         | 655 PSID                     |
| 105             | 0.50 SQ IN.                                         | 950 PSID                     | 0.62 SQ IN.                                         | 655 PSID                     |
| 145             | 0.51 SQ IN.                                         | 1075 PSID                    | 0.63 SQ IN.                                         | 765 PSID                     |
| 250*            | 0.51 SQ IN.                                         | 500 PSID                     | 0.63 SQ IN.                                         | 500 PSID                     |

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**PART NUMBER DEFINITION:** 84400 - 1 2 - 3

| CALCULATED DATA |                                                     |                              |                                                     |                              |
|-----------------|-----------------------------------------------------|------------------------------|-----------------------------------------------------|------------------------------|
| MICRON          | FILTER ELEMENT DATA FOR A<br>DASH 6 (.375" TUBE OD) |                              | FILTER ELEMENT DATA FOR A<br>DASH 8 (.500" TUBE OD) |                              |
|                 | EFFECTIVE<br>FILTRATION AREA                        | MINIMUM COLLAPSE<br>PRESSURE | EFFECTIVE<br>FILTRATION AREA                        | MINIMUM COLLAPSE<br>PRESSURE |
| 02              | 0.73 SQ IN.                                         | 500 PSID                     | 1.10 SQ IN.                                         | 470 PSID                     |
| 05              | 0.74 SQ IN.                                         | 500 PSID                     | 1.11 SQ IN.                                         | 500 PSID                     |
| 10              | 0.74 SQ IN.                                         | 500 PSID                     | 1.11 SQ IN.                                         | 500 PSID                     |
| 17              | 0.74 SQ IN.                                         | 500 PSID                     | 1.11 SQ IN.                                         | 500 PSID                     |
| 40              | 0.75 SQ IN.                                         | 500 PSID                     | 1.12 SQ IN.                                         | 500 PSID                     |
| 70              | 0.75 SQ IN.                                         | 500 PSID                     | 1.12 SQ IN.                                         | 500 PSID                     |
| 105             | 0.75 SQ IN.                                         | 500 PSID                     | 1.12 SQ IN.                                         | 500 PSID                     |
| 145             | 0.75 SQ IN.                                         | 635 PSID                     | 1.12 SQ IN.                                         | 500 PSID                     |
| 250*            | 0.75 SQ IN.                                         | 445 PSID                     | 1.13 SQ IN.                                         | 200 PSID                     |

| CALCULATED DATA |                                                      |                              |                                                      |                              |
|-----------------|------------------------------------------------------|------------------------------|------------------------------------------------------|------------------------------|
| MICRON          | FILTER ELEMENT DATA FOR A<br>DASH 10 (.625" TUBE OD) |                              | FILTER ELEMENT DATA FOR A<br>DASH 12 (.750" TUBE OD) |                              |
|                 | EFFECTIVE<br>FILTRATION AREA                         | MINIMUM COLLAPSE<br>PRESSURE | EFFECTIVE<br>FILTRATION AREA                         | MINIMUM COLLAPSE<br>PRESSURE |
| 02              | 1.67 SQ IN.                                          | 210 PSID                     | 2.26 SQ IN.                                          | 145 PSID                     |
| 05              | 1.68 SQ IN.                                          | 375 PSID                     | 2.27 SQ IN.                                          | 260 PSID                     |
| 10              | 1.68 SQ IN.                                          | 375 PSID                     | 2.27 SQ IN.                                          | 260 PSID                     |
| 17              | 1.68 SQ IN.                                          | 445 PSID                     | 2.28 SQ IN.                                          | 310 PSID                     |
| 40              | 1.69 SQ IN.                                          | 500 PSID                     | 2.28 SQ IN.                                          | 425 PSID                     |
| 70              | 1.69 SQ IN.                                          | 500 PSID                     | 2.28 SQ IN.                                          | 425 PSID                     |
| 105             | 1.69 SQ IN.                                          | 500 PSID                     | 2.28 SQ IN.                                          | 425 PSID                     |
| 145             | 1.70 SQ IN.                                          | 500 PSID                     | 2.29 SQ IN.                                          | 500 PSID                     |
| 250*            | 1.70 SQ IN.                                          | 90 PSID                      | 2.30 SQ IN.                                          | 65 PSID                      |