

# General Purpose Air Filters

(Approximate size relationship as shown)



**FD10 Sentry Modular**  
NPTF & BSPP Port Sizes:  
1/8, 1/4  
Tubing Sizes: 1/4, 3/8,  
4mm, 6mm, 8mm, & 10mm



**FD50 Minature**  
NPTF & BSPP Port Sizes:  
1/8, 1/4



**FD60 Guardsman**  
NPTF & BSPP Port Sizes:  
1/4, 3/8, & 1/2



**BFD70 Guardsman II**  
NPTF & BSPP Port Sizes:  
1/4, 3/8, & 1/2



**FD100 Vanguard Modular**  
NPTF & BSPP Port Sizes:  
1/4, 3/8, 1/2, & 3/4



**F5A350 Modular**  
NPTF & BSPP Port Sizes:  
1/4, 3/8, & 1/2



**FD380 Modular**  
NPTF & BSPP Port Sizes:  
3/8, 1/2, & 3/4



**FD100 High Flow**  
NPTF & BSPP Port Sizes:  
3/4, & 1



**BFD200 High Flow**  
NPTF & BSPP Port Sizes:  
3/4, & 1



**BF6A400 High Flow**  
NPTF & BSPP Port Sizes:  
3/4, 1, 1-1/4, & 1-1/2



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Boxes that are marked with yellow are available options for the product listed. Numbers and letters inside each yellow box reflects the proper suffix / prefix needed. See Master Pneumatic catalog for complete product breakdown chart.

PIPE SIZE CHART

|         | TUBING |     |     |     |     |      | NPTF & BSPP PIPE THREADS |     |     |     |     |   |       |       |    |
|---------|--------|-----|-----|-----|-----|------|--------------------------|-----|-----|-----|-----|---|-------|-------|----|
|         | 1/4    | 3/8 | 4mm | 6mm | 8mm | 10mm | 1/8                      | 1/4 | 3/8 | 1/2 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2  |
| FD10    | 04     | 06  | M4  | M6  | M8  | M10  | 1                        | 2   |     |     |     |   |       |       |    |
| FD50    |        |     |     |     |     |      | 1                        | 2   |     |     |     |   |       |       |    |
| FD60    |        |     |     |     |     |      |                          | 2   | 3   | 4   |     |   |       |       |    |
| BFD70   |        |     |     |     |     |      |                          | 2   | 3   | 4   |     |   |       |       |    |
| F100    |        |     |     |     |     |      |                          | 2   | 3   | 4   | 6   |   |       |       |    |
| F5A350  |        |     |     |     |     |      |                          | 2   | 3   | 4   |     |   |       |       |    |
| FD380   |        |     |     |     |     |      |                          |     | 3   | 4   | 6   |   |       |       |    |
| FD100*  |        |     |     |     |     |      |                          |     |     |     | 6   | 8 |       |       |    |
| BFD200  |        |     |     |     |     |      |                          |     |     |     | 6   | 8 | 10    | 12    |    |
| BF6A400 |        |     |     |     |     |      |                          |     |     |     |     |   | 10    | 12    | 16 |

OPTIONS CHART

|                                                         | FD10 | FD50 | FD60 | BFD70 | FD100 | F5A350 | FD380 | FD100* | BFD200 | BF6A400 |
|---------------------------------------------------------|------|------|------|-------|-------|--------|-------|--------|--------|---------|
| <b>BOWL (prefix)</b>                                    |      |      |      |       |       |        |       |        |        |         |
| Metal                                                   | B    | B    | B    | B     | B     | B      | B     | B      | B      | B       |
| Plastic                                                 |      |      |      |       |       |        |       |        |        |         |
| <b>Drain (prefix)</b>                                   |      |      |      |       |       |        |       |        |        |         |
| Automatic                                               | FD   | FD   | FD   | FD    | FD    |        | FD    | FD     | FD     |         |
| Float - brass stem<br>(only with metal bowl option)     |      |      |      | BF6A  | BF6A  | BF6A   | BF6A  | BF6A   | BF6A   | BF6A    |
| Float - plastic stem<br>(only with plastic bowl option) |      |      |      | F5A   | F5A   | F5A    | F5A   | F5A    | F5A    | F5A     |
| Manual                                                  | F    | F    | F    | F     | F     | F      | F     | F      | F      | F       |
| No Drain                                                | LDC  | LDC  |      |       | LDC   |        | LDC   | LDC    | LDC    | F7A     |
| Hydro-Jector (Float)                                    |      |      |      |       | LDC   |        | LDC   | LDC    | LDC    | F7AE    |
| <b>Elements (suffix)</b>                                |      |      |      |       |       |        |       |        |        |         |
| 5-µm bronze                                             | E5   | E5   | E5   | E5    | E5    | E5     | E5    | E5     |        | E5      |
| 5-µm polyethylene                                       |      |      |      |       |       |        |       |        |        |         |
| 20-µm bronze                                            | E4   | E4   | E4   | E4    | E4    | E4     | E4    | E4     |        |         |
| 405-µm bronze                                           | E3   | E3   | E3   | E3    | E3    | E3     | E3    | E3     |        | E3      |
| <b>Bowl Length (prefix)</b>                             |      |      |      |       |       |        |       |        |        |         |
| Standard                                                |      |      |      |       |       |        |       |        |        |         |
| Extended                                                |      |      |      | H     |       |        |       |        |        |         |
| <b>Differential Pressure Gauge (suffix)</b>             |      |      |      |       |       |        |       |        |        |         |
| No Gauge                                                |      |      |      |       |       |        |       |        |        |         |
| Small Gauge                                             |      |      |      |       |       | S      | S     | S      | S      | S       |
| Large Gauge                                             |      |      |      |       | L     |        | L     |        |        | L       |
| Reed Switch<br>(normally open)                          |      |      |      |       | E     |        | E     | E      | E      | E       |
| Reed Switch<br>(normally closed)                        |      |      |      |       | E2    |        | E2    | E2     | E2     | E2      |

FLOW RATE

|         | Flow Rate<br>(0.011µm Element) |                                                                                          | Inlet Operating PSI                                                                                                                      |
|---------|--------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
|         | Port Size                      | (PSIG Inlet) SCFM H PSI                                                                  | Range (bowl type)                                                                                                                        |
| FD10    | 1/4                            | (100 PSIG) 31 SCFM                                                                       | 15-150 PSIG                                                                                                                              |
| FD50    | 1/8<br>1/4                     | (100 PSIG) 11 SCFM<br>(100 PSIG) 22 SCFM                                                 | 15-150 PSIG (plastic bowl)<br>15-200 PSIG (metal bowl)                                                                                   |
| FD60    | 1/4<br>3/8<br>1/2              | (100 PSIG) 46 SCFM<br>(100 PSIG) 65 SCFM<br>(100 PSIG) 76 SCFM                           | 15-150 PSIG (plastic bowl)<br>15-200 PSIG (metal bowl)                                                                                   |
| BFD70   | 1/4<br>3/8<br>1/2              | (100 PSIG) 51 SCFM<br>(100 PSIG) 70 SCFM<br>(100 PSIG) 76 SCFM                           | 15-200 PSIG (diff. metal bowl)<br>30-200 PSIG (float metal bowl)                                                                         |
| FD100   | 1/4<br>3/8<br>1/2<br>3/4       | (100 PSIG) 42 SCFM<br>(100 PSIG) 81 SCFM<br>(100 PSIG) 132 SCFM<br>(100 PSIG) 152 SCFM   | 15-150 PSIG (diff. plastic bowl)<br>15-200 PSIG (diff. metal bowl)<br>30-150 PSIG (float plastic bowl)<br>30-200 PSIG (float metal bowl) |
| F5A350  | 1/4<br>3/8<br>1/2              | (91 PSIG) 52 SCFM<br>(91 PSIG) 65 SCFM<br>(91 PSIG) 72 SCFM                              | 40-125 PSIG (float plastic bowl)<br>40-175 PSIG (float metal bowl)                                                                       |
| FD380   | 3/8<br>1/2<br>3/4              | (92 PSIG) 100 SCFM<br>(92 PSIG) 135 SCFM<br>(92 PSIG) 160 SCFM                           | 15-150 PSIG (diff. plastic bowl)<br>15-200 PSIG (diff. metal bowl)<br>30-150 PSIG (float plastic bowl)<br>30-200 PSIG (float metal bowl) |
| FD100*  | 3/4<br>1                       | (100 PSIG) 250 SCFM<br>(100 PSIG) 275 SCFM                                               | 15-150 PSIG (diff. plastic bowl)<br>15-200 PSIG (diff. metal bowl)<br>30-150 PSIG (float plastic bowl)<br>30-200 PSIG (float metal bowl) |
| BFD200  | 3/4<br>1<br>1-1/4<br>1-1/2     | (100 PSIG) 345 SCFM<br>(100 PSIG) 450 SCFM<br>(100 PSIG) 625 SCFM<br>(100 PSIG) 650 SCFM | 15-200 PSIG (diff. metal bowl)<br>30-200 PSIG (float metal bowl)                                                                         |
| BF6A400 | 1-1/4<br>1-1/2<br>2            | (100 PSIG) 700 SCFM<br>(100 PSIG) 750 SCFM<br>(100 PSIG) 850 SCFM                        | 15-200 PSIG (diff. metal bowl)<br>30-200 PSIG (float metal bowl)                                                                         |

\*Product is High Flow



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