

# Classic Air Intake Filters & Tank Vents

## Series B10 - Enameled Carbon Steel w/Weather Hoods

## Series B12 - 304 Stainless Steel w/Weather Hoods

- Intake Air Flows to 20,000 CFM
- Exceptionally Low  $\Delta P$  Design
- 304SS Throat Safety Cages Std.
- Rugged Enameled Steel Construction



Series B10 & B12 air intake filters provide superior protection for compressors, blowers, turbines, engines, and other air handling equipment. They are fabricated from heavy gauge enameled steel. Series B12 corrosion resistant weather hoods reject rain and snow in coastal environments. They are also well suited for service in food processing installations serving pneumatic blowers. Any of the 20 standard models can be modified at your request to more exactly fit your needs.

### • Connection Sizes from 1/2" to 24"

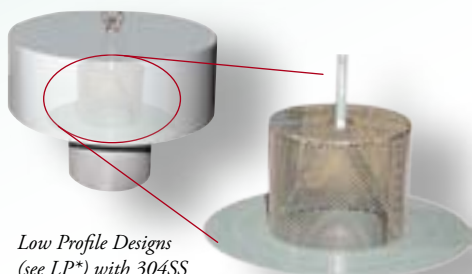
Male NPT (MT) or flat face flanges (FF) are std. Flanges match diameter & drilling for 150# ANSI standard. Specify optional right angle base (AF) for side mounts, female NPT (FT), bevel (BV) or plain cut (PE) stub necks where you wish to weld in place. Increased or decreased connections are also optionally available on any model.

### • Choice of Filter Elements

These textile media filter elements are unsurpassed for low  $\Delta P$ , high dirt holding capacity and exceptional efficiency. Unlike paper media they cannot rip or tear. These elements have no catastrophic mode of failure. They handle moisture, vibration, poor handling, and rugged service with ease. They stop airborne particulates and other contaminants before they can sneak into a compressor, blower, or turbine to do abrasion or varnish damage. The table below shows the favorite 10 $\mu$  standard filter element. In addition, we offer a wide range of alternative filter elements that can serve your specific needs if a finer micron retention, or specific operating conditions exist. See page 30.



Cap style cover std in OD of 20" and larger. Access handles are standard on models with OD of 12" and larger.

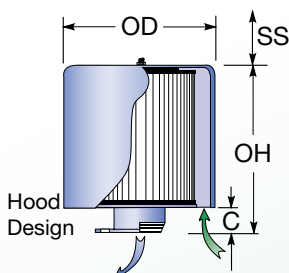


Low Profile Designs (see LP\*) with 304SS safety screen shown. Safety screen is std. on all B10 models. Filter element is not shown in this illustration.

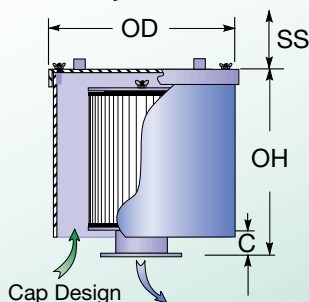
Consult us for use with reciprocating compressors.

| Housing Model Number | Typical CFM | Standard Outlet |           | Cover Style | Approximate Dimensions in Inches |         |    |               | Approx Wgt Lbs. | Element Number |
|----------------------|-------------|-----------------|-----------|-------------|----------------------------------|---------|----|---------------|-----------------|----------------|
|                      |             | Size            | Type      |             | OH                               | OD      | C  | Service Space |                 |                |
| B10-0400-MT-005      | 12          | 1/2"            | Male NPT  | Hood        | 6 1/2"                           | 4"      | 2" | 4 1/4"        | 1.3             | 321-3419K5     |
| B10-0400-MT-007      | 18          | 3/4"            | Male NPT  | Hood        | 6 1/2"                           | 4"      | 2" | 4 1/4"        | 1.3             | 321-3419K5     |
| B10-0400-MT-010      | 25          | 1"              | Male NPT  | Hood        | 6 1/2"                           | 4"      | 2" | 4 1/4"        | 1.3             | 321-3419K5     |
| LP* B10-0416-MT-005  | 12          | 1/2"            | Male NPT  | Hood        | 4 1/2"                           | 6 1/4"  | 2" | 2 1/4"        | 1.3             | 321-3420K5     |
| LP* B10-0416-MT-007  | 18          | 3/4"            | Male NPT  | Hood        | 4 1/2"                           | 6 1/4"  | 2" | 2 1/4"        | 1.3             | 321-3420K5     |
| LP* B10-0416-MT-010  | 25          | 1"              | Male NPT  | Hood        | 4 1/2"                           | 6 1/4"  | 2" | 2 1/4"        | 1.3             | 321-3420K5     |
| B10-0401-MT-012      | 40          | 1 1/4"          | Male NPT  | Hood        | 6 1/2"                           | 4 1/2"  | 2" | 4 1/4"        | 2.5             | 321-3421K5     |
| LP* B10-0417-MT-012  | 40          | 1 1/4"          | Male NPT  | Hood        | 4 1/2"                           | 6 1/4"  | 2" | 2 1/4"        | 2.5             | 321-3422K5     |
| B10-0402-MT-015      | 65          | 1 1/4"          | Male NPT  | Hood        | 6 1/2"                           | 5 1/2"  | 2" | 4 1/4"        | 2.5             | 321-3423K5     |
| LP* B10-0418-MT-015  | 65          | 1 1/2"          | Male NPT  | Hood        | 4 1/2"                           | 7 1/2"  | 2" | 2 1/4"        | 2.5             | 321-3424K5     |
| B10-0403-MT-020      | 90          | 2"              | Male NPT  | Hood        | 8 1/2"                           | 6"      | 2" | 6 1/4"        | 3.8             | 321-3425K5     |
| LP* B10-0419-MT-020  | 90          | 2"              | Male NPT  | Hood        | 6 1/8"                           | 8"      | 2" | 4"            | 3.8             | 321-3426K5     |
| B10-0404-MT-030      | 200         | 3"              | Male NPT  | Hood        | 11 1/2"                          | 8 1/4"  | 3" | 8 1/4"        | 3.8             | 321-3427K5     |
| LP* B10-0420-MT-030  | 200         | 3"              | Male NPT  | Hood        | 8 1/8"                           | 10 1/2" | 3" | 5"            | 3.8             | 321-3428K5     |
| B10-0405-MT-040      | 350         | 4"              | Male NPT  | Hood        | 11 1/2"                          | 10"     | 3" | 8 1/4"        | 17.5            | 321-3429K5     |
| LP* B10-0421-MT-040  | 350         | 4"              | Male NPT  | Hood        | 8 1/8"                           | 12 3/4" | 3" | 5"            | 17.5            | 321-3430K5     |
| B10-0406-MT-050      | 800         | 5"              | Male NPT  | Hood        | 16 1/2"                          | 12 3/4" | 4" | 12 1/4"       | 22.5            | 321-3431K5     |
| B10-0406-FF-050      | 800         | 5"              | Plate Flg | Hood        | 16 1/2"                          | 12 3/4" | 4" | 12 1/4"       | 22.5            | 321-3431K5     |
| LP* B10-0422-MT-050  | 800         | 5"              | Male NPT  | Hood        | 11 1/4"                          | 15"     | 3" | 8 1/4"        | 18.8            | 321-3432K5     |
| LP* B10-0422-FF-050  | 800         | 5"              | Plate Flg | Hood        | 11 1/4"                          | 15"     | 3" | 8 1/4"        | 18.8            | 321-3432K5     |
| B10-0407-MT-060      | 950         | 6"              | Male NPT  | Hood        | 16 1/2"                          | 14 1/2" | 4" | 8 1/4"        | 22.5            | 321-3433K5     |
| B10-0407-FF-060      | 950         | 6"              | Plate Flg | Hood        | 16 1/2"                          | 14 1/2" | 4" | 12 1/4"       | 22.5            | 321-3433K5     |
| LP* B10-0423-MT-060  | 950         | 6"              | Plate Flg | Hood        | 11 1/4"                          | 16 3/4" | 3" | 8 1/4"        | 18.8            | 321-3434K5     |
| LP* B10-0423-FF-060  | 950         | 6"              | Plate Flg | Hood        | 11 1/4"                          | 16 3/4" | 3" | 8 1/4"        | 18.8            | 321-3434K5     |
| B10-0408-FF-080      | 1800        | 8"              | Plate Flg | Hood        | 16 1/2"                          | 18"     | 4" | 8 1/4"        | 43.8            | 321-3410K5     |
| B10-0409-FF-100      | 3000        | 10"             | Plate Flg | Cap         | 27 1/2"                          | 21"     | 6" | 18 1/4"       | 75.0            | 321-3411K5     |
| B10-0410-FF-120      | 3500        | 12"             | Plate Flg | Cap         | 27 1/2"                          | 24"     | 6" | 18 1/2"       | 125.0           | 321-3412K5     |
| B10-0411-FF-140      | 4800        | 14"             | Plate Flg | Cap         | 33 1/2"                          | 26"     | 6" | 24 1/2"       | 137.5           | 321-3413K5     |
| B10-0412-FF-160      | 6000        | 16"             | Plate Flg | Cap         | 33 1/2"                          | 29"     | 6" | 24 1/2"       | 187.5           | 321-3414K5     |
| B10-0413-FF-180      | 7000        | 18"             | Plate Flg | Cap         | 33 1/2"                          | 32 1/2" | 6" | 24 1/2"       | 218.8           | 321-3415K5     |
| B10-0414-FF-200      | 10000       | 20"             | Plate Flg | Cap         | 33 1/2"                          | 36"     | 6" | 24 1/2"       | 337.5           | 321-3416K5     |
| B10-0415-FF-240      | 13000       | 24"             | Plate Flg | Cap         | 33 1/2"                          | 42"     | 6" | 24 1/2"       | 412.5           | 321-3417K5     |

Note: LP denotes our Low Profile style housings. See typ.  $\Delta P$  vs. Flow at chart on facing page ->



Rugged one piece 11 gauge enameled steel weather hoods, or cap assemblies on larger sizes resist damage from abuse common in industrial locations.



Alternate connection styles are readily available.