



# Pneumatic Air Preparation - AFR2 Series Combination Filter and Regulators



*Modular Assembly Example*



**AFR2-6633-AD**



**AFR2-3233-D**



**AFR2-2133-N**

NITRA® pneumatic combination particulate/moisture separation air filters and adjustable pressure regulators are available with 1/8", 1/4", 3/8", 1/2", 3/4" or 1" NPT female port sizes to meet a broad range of pneumatic air supply filtration and regulation applications all in a single convenient unit. Available with either a manual / semi-automatic or automatic drain. All-metal bowls with sight gauge are available in all sizes. Polycarbonate or nylon bowls with metal bowl guards are available in 2xxx, 3xxx and 4xxx sizes. Replaceable 40-micron filter elements are standard. An optional 5-micron filter element (purchased separately and customer installable) is available when stricter filtration is required.

The pressure regulator features a locking pressure adjustment knob, integral pressure gauge and is available in adjustable pressure ranges of 20 - 60 psi or 20 - 130 psi. The regulator will relieve downstream pressure if the setpoint is reduced.

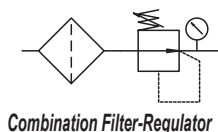
Provided with a mounting bracket for stand-alone applications, the modular design also enables easy field assembly with NITRA pneumatic lubricators (using modular assembly brackets purchased separately).

## Features

- Air filtration and regulation all in a single convenient unit
- 1/8", 1/4", 3/8", 1/2", 3/4" and 1" NPT female port sizes
- 40-micron replaceable filter element standard; for stricter filtration an optional 5-micron filter element purchased separately is easily customer installable
- All-metal bowls with sight gauge available on all sizes. Polycarbonate or nylon bowls with metal bowl guards available on 2xxx, 3xxx and 4xxx sizes.
- Manual / semi-automatic and automatic drains available
- Adjustable ranges of 20 - 60 psi and 20-130 psi
- Locking pressure adjustment knob
- Integral pressure gauge
- Mounting bracket provided for stand-alone applications
- Modular design enables easy field assembly with NITRA lubricators
- 2 year warranty



*Mounting bracket included.*



*Combination Filter-Regulator*



See [www.AutomationDirect.com](http://www.AutomationDirect.com) for a wide variety of fitting options



# Pneumatic Air Preparation - AFR2 Series

## Combination Filter and Regulators

| AFR2 Series Combination Filter and Regulators |         |              |                                          |                                             |                                              |       |                                 |                                                                |                                              |                                 |                                |                                              |                                |  |                     |
|-----------------------------------------------|---------|--------------|------------------------------------------|---------------------------------------------|----------------------------------------------|-------|---------------------------------|----------------------------------------------------------------|----------------------------------------------|---------------------------------|--------------------------------|----------------------------------------------|--------------------------------|--|---------------------|
| Part No.                                      | Price   | Weight (lbs) | Port Size (FNPT)                         | Drain Bowl Capacity                         | Drain Type                                   | Fluid | Temperature                     | Filtering Grade                                                | Operating Pressure                           | Maximum Pressure                | Proof Pressure                 | Drawing Link                                 |                                |  |                     |
| <a href="#">AFR2-2132-N</a>                   | \$62.00 | 0.82         | 1/8"                                     | 25cc nylon with metal bowl guard            | Manual/<br>Semi-Automatic                    | Air   | -5°C to 70°C<br>(23°F to 158°F) | 40μ (5μ element can be ordered separately and field installed) | 20~60psi<br>(0.14~0.41MPa)<br>(1.4~4.1 bar)  | 60psi<br>(0.41MPa)<br>(4.1 bar) | 215psi<br>(1.5MPa)<br>(15 bar) | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-2132-D</a>                   | \$72.00 | 0.85         |                                          | 25cc die-cast aluminum bowl w/ sight        |                                              |       |                                 |                                                                |                                              |                                 |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-2132</a>                     | \$62.00 | 0.83         |                                          | 25cc polycarbonate with metal bowl guard    |                                              |       |                                 |                                                                |                                              |                                 |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-2133-N</a>                   | \$62.00 | 0.83         |                                          | 25cc nylon with metal bowl guard            |                                              |       |                                 |                                                                | 20~130psi<br>(0.14~0.90MPa)<br>(1.4~9.0 bar) | 145psi<br>(1.0MPa)<br>(10 bar)  |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-2133-D</a>                   | \$72.00 | 0.86         |                                          | 25cc die-cast aluminum bowl w/ sight        |                                              |       |                                 |                                                                |                                              |                                 |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-2133</a>                     | \$62.00 | 0.84         |                                          | 25cc polycarbonate with metal bowl guard    |                                              |       |                                 |                                                                |                                              |                                 |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-2232-N</a>                   | \$62.00 | 0.82         | 25cc nylon with metal bowl guard         | 20~60psi<br>(0.14~0.41MPa)<br>(1.4~4.1 bar) |                                              |       |                                 |                                                                | 60psi<br>(0.41MPa)<br>(4.1 bar)              |                                 |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-2232-D</a>                   | \$72.00 | 0.84         | 25cc die-cast aluminum bowl w/ sight     |                                             |                                              |       |                                 |                                                                |                                              |                                 |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-2232</a>                     | \$62.00 | 0.82         | 25cc polycarbonate with metal bowl guard |                                             |                                              |       |                                 |                                                                |                                              |                                 |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-2233-N</a>                   | \$62.00 | 0.83         | 25cc nylon with metal bowl guard         |                                             |                                              |       |                                 |                                                                |                                              |                                 |                                | 20~130psi<br>(0.14~0.90MPa)<br>(1.4~9.0 bar) | 145psi<br>(1.0MPa)<br>(10 bar) |  | <a href="#">PDF</a> |
| <a href="#">AFR2-2233-D</a>                   | \$72.00 | 0.86         | 25cc die-cast aluminum bowl w/ sight     |                                             |                                              |       |                                 |                                                                |                                              |                                 |                                |                                              |                                |  | <a href="#">PDF</a> |
| <a href="#">AFR2-2233</a>                     | \$62.00 | 0.84         | 25cc polycarbonate with metal bowl guard |                                             |                                              |       |                                 |                                                                |                                              |                                 |                                |                                              |                                |  | <a href="#">PDF</a> |
| <a href="#">AFR2-3232-N</a>                   | \$71.00 | 1.34         | 60cc nylon with metal bowl guard         | Automatic                                   |                                              |       |                                 |                                                                | 20~60psi<br>(0.14~0.41MPa)<br>(1.4~4.1 bar)  | 60psi<br>(0.41MPa)<br>(4.1 bar) |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-3232-D</a>                   | \$81.00 | 1.38         | 60cc die-cast aluminum bowl w/ sight     |                                             |                                              |       |                                 |                                                                |                                              |                                 |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-3232</a>                     | \$71.00 | 1.35         | 60cc polycarbonate with metal bowl guard |                                             |                                              |       |                                 |                                                                |                                              |                                 |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-3232-AN</a>                  | \$88.00 | 1.37         | 60cc nylon with metal bowl guard         |                                             |                                              |       |                                 |                                                                |                                              |                                 |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-3232-AD</a>                  | \$98.00 | 1.41         | 60cc die-cast aluminum bowl w/ sight     |                                             |                                              |       |                                 |                                                                |                                              |                                 |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-3232-A</a>                   | \$88.00 | 1.39         | 60cc polycarbonate with metal bowl guard |                                             |                                              |       |                                 |                                                                |                                              |                                 |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-3233-N</a>                   | \$71.00 | 1.36         | 60cc nylon with metal bowl guard         | Manual/<br>Semi-Automatic                   | 20~130psi<br>(0.14~0.90MPa)<br>(1.4~9.0 bar) |       |                                 |                                                                | 145psi<br>(1.0MPa)<br>(10 bar)               |                                 |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-3233-D</a>                   | \$81.00 | 1.39         | 60cc die-cast aluminum bowl w/ sight     |                                             |                                              |       |                                 |                                                                |                                              |                                 |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-3233</a>                     | \$71.00 | 1.37         | 60cc polycarbonate with metal bowl guard |                                             |                                              |       |                                 |                                                                |                                              |                                 |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-3233-AN</a>                  | \$88.00 | 1.39         | 60cc nylon with metal bowl guard         |                                             |                                              |       |                                 |                                                                |                                              |                                 |                                | Automatic                                    | <a href="#">PDF</a>            |  |                     |
| <a href="#">AFR2-3233-AD</a>                  | \$98.00 | 1.42         | 60cc die-cast aluminum bowl w/ sight     |                                             |                                              |       |                                 |                                                                |                                              |                                 |                                |                                              | <a href="#">PDF</a>            |  |                     |
| <a href="#">AFR2-3233-A</a>                   | \$88.00 | 1.4          | 60cc polycarbonate with metal bowl guard |                                             |                                              |       |                                 |                                                                |                                              |                                 |                                |                                              | <a href="#">PDF</a>            |  |                     |
| <a href="#">AFR2-3332-N</a>                   | \$71.00 | 1.33         | 60cc nylon with metal bowl guard         | Manual/<br>Semi-Automatic                   | 20~60psi<br>(0.14~0.41MPa)<br>(1.4~4.1 bar)  |       |                                 |                                                                | 60psi<br>(0.41MPa)<br>(4.1 bar)              |                                 |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-3332-D</a>                   | \$81.00 | 1.37         | 60cc die-cast aluminum bowl w/ sight     |                                             |                                              |       |                                 |                                                                |                                              |                                 |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-3332</a>                     | \$71.00 | 1.35         | 60cc polycarbonate with metal bowl guard |                                             |                                              |       |                                 |                                                                |                                              |                                 |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-3332-AN</a>                  | \$88.00 | 1.36         | 60cc nylon with metal bowl guard         | Automatic                                   |                                              |       |                                 |                                                                |                                              |                                 |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-3332-AD</a>                  | \$98.00 | 1.38         | 60cc die-cast aluminum bowl w/ sight     |                                             |                                              |       |                                 |                                                                |                                              |                                 |                                | <a href="#">PDF</a>                          |                                |  |                     |
| <a href="#">AFR2-3332-A</a>                   | \$88.00 | 1.38         | 60cc polycarbonate with metal bowl guard |                                             |                                              |       |                                 |                                                                |                                              |                                 |                                | <a href="#">PDF</a>                          |                                |  |                     |

See our Web site [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete Engineering drawings.



# Pneumatic Air Preparation - AFR2 Series

## Combination Filter and Regulators

### AFR2 Series Combination Filter and Regulators Cont.

| Part No.                     | Price    | Weight (lbs) | Port Size (FNPT) | Drain Bowl Capacity                       | Drain Type            | Fluid               | Temperature                  | Filtering Grade                                                | Operating Pressure                     | Maximum Pressure         | Proof Pressure           | Drawing Link        |                              |                                                                |                                        |                          |                          |                     |
|------------------------------|----------|--------------|------------------|-------------------------------------------|-----------------------|---------------------|------------------------------|----------------------------------------------------------------|----------------------------------------|--------------------------|--------------------------|---------------------|------------------------------|----------------------------------------------------------------|----------------------------------------|--------------------------|--------------------------|---------------------|
| <a href="#">AFR2-3333-N</a>  | \$52.00  | 1.34         | 3/8"             | 60cc nylon with metal bowl guard          | Manual/Semi-Automatic | Air                 | -5°C to 70°C (23°F to 158°F) | 40μ (5μ element can be ordered separately and field installed) | 20~130psi (0.14~0.90MPa) (1.4~9.0 bar) | 145psi (1.0MPa) (10 bar) | 215psi (1.5MPa) (15 bar) | <a href="#">PDF</a> |                              |                                                                |                                        |                          |                          |                     |
| <a href="#">AFR2-3333-D</a>  | \$81.00  | 1.39         |                  | 60cc die-cast aluminum bowl w/ sight      |                       |                     |                              |                                                                |                                        |                          |                          | <a href="#">PDF</a> |                              |                                                                |                                        |                          |                          |                     |
| <a href="#">AFR2-3333</a>    | \$71.00  | 1.37         |                  | 60cc polycarbonate with metal bowl guard  |                       |                     |                              |                                                                |                                        |                          |                          | <a href="#">PDF</a> |                              |                                                                |                                        |                          |                          |                     |
| <a href="#">AFR2-3333-AN</a> | \$88.00  | 1.37         |                  | 60cc nylon with metal bowl guard          | Automatic             |                     |                              |                                                                |                                        |                          |                          | <a href="#">PDF</a> |                              |                                                                |                                        |                          |                          |                     |
| <a href="#">AFR2-3333-AD</a> | \$98.00  | 1.42         |                  | 60cc die-cast aluminum bowl w/ sight      |                       |                     |                              |                                                                |                                        |                          |                          | <a href="#">PDF</a> |                              |                                                                |                                        |                          |                          |                     |
| <a href="#">AFR2-3333-A</a>  | \$88.00  | 1.4          |                  | 60cc polycarbonate with metal bowl guard  |                       |                     |                              |                                                                |                                        |                          |                          | <a href="#">PDF</a> |                              |                                                                |                                        |                          |                          |                     |
| <a href="#">AFR2-4433-N</a>  | \$111.00 | 2.33         | 1/2"             | 100cc nylon with metal bowl guard         | Manual/Semi-Automatic |                     |                              |                                                                |                                        |                          |                          | Air                 | -5°C to 70°C (23°F to 158°F) | 40μ (5μ element can be ordered separately and field installed) | 20~130psi (0.14~0.90MPa) (1.4~9.0 bar) | 145psi (1.0MPa) (10 bar) | 215psi (1.5MPa) (15 bar) | <a href="#">PDF</a> |
| <a href="#">AFR2-4433-D</a>  | \$125.00 | 2.41         |                  | 100cc die-cast aluminum bowl w/ sight     |                       |                     |                              |                                                                |                                        |                          |                          |                     |                              |                                                                |                                        |                          |                          | <a href="#">PDF</a> |
| <a href="#">AFR2-4433</a>    | \$111.00 | 2.4          |                  | 100cc polycarbonate with metal bowl guard |                       |                     |                              |                                                                |                                        |                          |                          |                     |                              |                                                                |                                        |                          |                          | <a href="#">PDF</a> |
| <a href="#">AFR2-4433-AN</a> | \$95.00  | 2.4          |                  | 100cc nylon with metal bowl guard         | Automatic             |                     |                              |                                                                |                                        |                          |                          |                     |                              |                                                                |                                        |                          |                          | <a href="#">PDF</a> |
| <a href="#">AFR2-4433-AD</a> | \$142.00 | 2.42         |                  | 100cc die-cast aluminum bowl w/ sight     |                       |                     |                              |                                                                |                                        |                          |                          |                     |                              |                                                                |                                        |                          |                          | <a href="#">PDF</a> |
| <a href="#">AFR2-4433-A</a>  | \$128.00 | 2.28         |                  | 100cc polycarbonate with metal bowl guard |                       |                     |                              |                                                                |                                        |                          |                          |                     |                              |                                                                |                                        |                          |                          | <a href="#">PDF</a> |
| <a href="#">AFR2-6633-D</a>  | \$190.00 | 5.26         | 3/4"             | 205cc die-cast aluminum bowl w/ sight     | Manual/Semi-Automatic | <a href="#">PDF</a> |                              |                                                                |                                        |                          |                          |                     |                              |                                                                |                                        |                          |                          |                     |
| <a href="#">AFR2-6633-AD</a> | \$154.00 | 5.29         |                  |                                           | Automatic             | <a href="#">PDF</a> |                              |                                                                |                                        |                          |                          |                     |                              |                                                                |                                        |                          |                          |                     |
| <a href="#">AFR2-6833-D</a>  | \$190.00 | 5.13         | 1"               |                                           | Manual/Semi-Automatic | <a href="#">PDF</a> |                              |                                                                |                                        |                          |                          |                     |                              |                                                                |                                        |                          |                          |                     |
| <a href="#">AFR2-6833-AD</a> | \$207.00 | 5.27         |                  |                                           | Automatic             | <a href="#">PDF</a> |                              |                                                                |                                        |                          |                          |                     |                              |                                                                |                                        |                          |                          |                     |

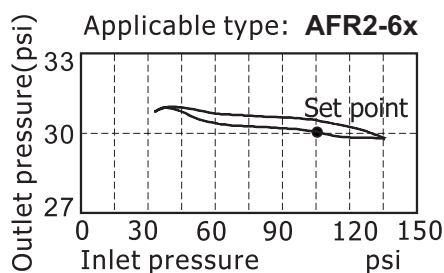
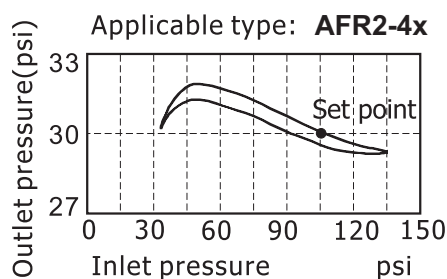
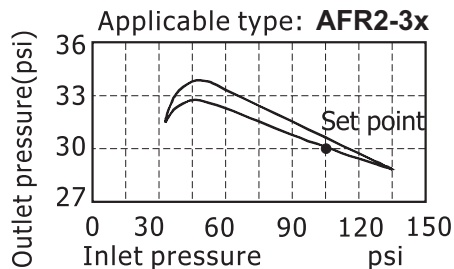
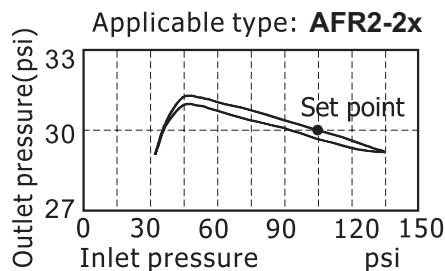
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# Pneumatic Air Preparation - AFR2 Series Combination Filter and Regulators

## Performance Charts

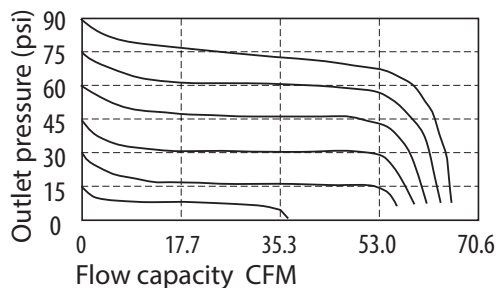
### Pressure chart



### Flow chart

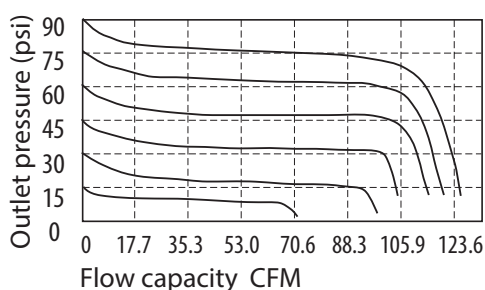
Applicable type: **AFR2-2x**

Inlet pressure: 105psi



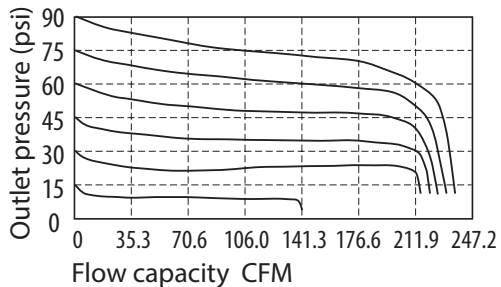
Applicable type: **AFR2-3x**

Inlet pressure: 105psi



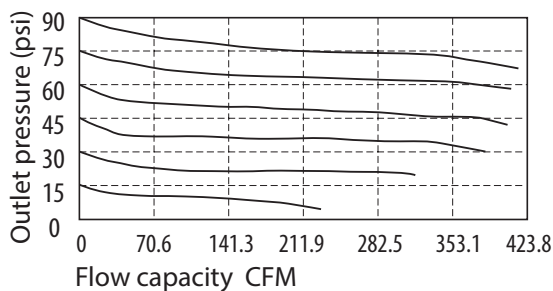
Applicable type: **AFR2-4x**

Inlet pressure: 105psi



Applicable type: **AFR2-6x**

Inlet pressure: 105psi





# GEN 2 Pneumatic Air Prep Accessories



**Part No. [AGP2-21](#)**



**Part No. [AGP2-31](#)**



**Part No. [AGP2-42](#)**

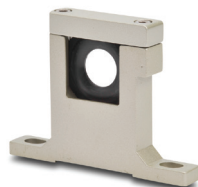
| GEN 2 Pneumatic Air Preparation Accessories |        |                                                                                                                                                                  |              |                     |
|---------------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------|
| Part No.                                    | Price  | Description                                                                                                                                                      | Weight (lbs) | Drawing Link        |
| <a href="#">AGP2-21</a>                     | \$5.25 | NITRA pneumatic gauge port adapter plate, 1/8in female NPT connection(s), aluminum. For use with Ax-2 series air prep components. (3) o-rings included.          | 0.02         | <a href="#">PDF</a> |
| <a href="#">AGP2-31</a>                     | \$6.75 | NITRA pneumatic gauge port adapter plate, 1/8in female NPT connection(s), aluminum. For use with Ax-3 series air prep components. (3) o-rings included.          | 0.04         | <a href="#">PDF</a> |
| <a href="#">AGP2-42</a>                     | \$7.50 | NITRA pneumatic gauge port adapter plate, 1/4in female NPT connection(s), aluminum. For use with Ax-4 and Ax-6 series air prep components. (3) o-rings included. | 0.04         | <a href="#">PDF</a> |



# Pneumatic Air Preparation Accessories



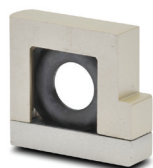
**Part No. [ADB-21](#)**



**Part No. [AB-4T](#)**



**Part No. [AB-4L](#)**



**Part No. [AB-4U](#)**

| Pneumatic Air Preparation Accessories |         |                                                                                                                                               |              |
|---------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Part No.                              | Price   | Description                                                                                                                                   | Weight (lbs) |
| <a href="#">ADB-21</a>                | \$18.00 | NITRA pneumatic distribution block, 1/8in female NPT inlet(s), (3) 1/8in female NPT outlet(s). For use with Ax-21 series air prep components. | 0.1          |
| <a href="#">ADB-22</a>                | \$18.00 | NITRA pneumatic distribution block, 1/4in female NPT inlet(s), (3) 1/4in female NPT outlet(s). For use with Ax-22 series air prep components. | 0.1          |
| <a href="#">ADB-32</a>                | \$25.50 | NITRA pneumatic distribution block, 1/4in female NPT inlet(s), (3) 1/4in female NPT outlet(s). For use with Ax-32 series air prep components. | 0.2          |
| <a href="#">ADB-33</a>                | \$25.50 | NITRA pneumatic distribution block, 3/8in female NPT inlet(s), (3) 3/8in female NPT outlet(s). For use with Ax-33 series air prep components. | 0.2          |
| <a href="#">ADB-44</a>                | \$27.00 | NITRA pneumatic distribution block, 1/2in female NPT inlet(s), (3) 1/2in female NPT outlet(s). For use with Ax-44 series air prep components. | 0.4          |
| <a href="#">AB-2T</a>                 | \$16.50 | NITRA modular T-bracket, for use with Ax-2 series air prep components.                                                                        | 0.2          |
| <a href="#">AB-2L</a>                 | \$16.50 | NITRA modular L-bracket, for use with Ax-2 series air prep components.                                                                        | 0.2          |
| <a href="#">AB-2U</a>                 | \$16.50 | NITRA modular U-bracket, for use with Ax-2 series air prep components.                                                                        | 0.1          |
| <a href="#">AB-3T</a>                 | \$18.00 | NITRA modular T-bracket, for use with Ax-3 series air prep components.                                                                        | 0.3          |
| <a href="#">AB-3L</a>                 | \$18.00 | NITRA modular L-bracket, for use with Ax-3 series air prep components.                                                                        | 0.3          |
| <a href="#">AB-3U</a>                 | \$18.00 | NITRA modular U-bracket, for use with Ax-3 series air prep components.                                                                        | 0.2          |
| <a href="#">AB-4T</a>                 | \$22.00 | NITRA modular T-bracket, for use with Ax-4 series air prep components.                                                                        | 0.5          |
| <a href="#">AB-4L</a>                 | \$22.00 | NITRA modular L-bracket, for use with Ax-4 series air prep components.                                                                        | 0.5          |
| <a href="#">AB-4U</a>                 | \$22.00 | NITRA modular U-bracket, for use with Ax-4 series air prep components.                                                                        | 0.4          |
| <a href="#">AB-6T</a>                 | \$32.00 | NITRA modular T-bracket, for use with Ax-6 series air prep components.                                                                        | 1.3          |
| <a href="#">AB-6L</a>                 | \$30.00 | NITRA modular L-bracket, for use with Ax-6 series air prep components.                                                                        | 1.2          |
| <a href="#">AB-6U</a>                 | \$28.50 | NITRA modular U-bracket, for use with Ax-6 series air prep components.                                                                        | 0.8          |



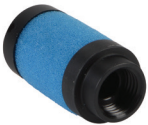
# Pneumatic Air Preparation Accessories



**Part No. [AFE2-43](#)**



**Part No. [AFE2-41](#)**



**Part No. [AFE-24](#)**



**Part No. [AFE-35](#)**

| Pneumatic Air Preparation Accessories  |         |                                                                                                                                                                           |              |
|----------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Part No.                               | Price   | Description                                                                                                                                                               | Weight (lbs) |
| <b>NITRA Gen 2 Particulate Filters</b> |         |                                                                                                                                                                           |              |
| <a href="#">AFE2-23</a>                | \$1.50  | NITRA particulate filter element, replacement, 40 micron particles, high-density polyethylene (HDPE). For use with AF-2 series filters or AFR-2 series filter regulators. | 0.01         |
| <a href="#">AFE2-33</a>                | \$3.00  | NITRA particulate filter element, replacement, 40 micron particles, high-density polyethylene (HDPE). For use with AF-3 series filters or AFR-3 series filter regulators. | 0.01         |
| <a href="#">AFE2-43</a>                | \$4.25  | NITRA particulate filter element, replacement, 40 micron particles, high-density polyethylene (HDPE). For use with AF-4 series filters or AFR-4 series filter regulators. | 0.01         |
| <a href="#">AFE2-63</a>                | \$11.00 | NITRA particulate filter element, replacement, 40 micron particles, high-density polyethylene (HDPE). For use with AF-6 series filters or AFR-6 series filter regulators. | 0.04         |
| <a href="#">AFE2-21</a>                | \$1.50  | NITRA particulate filter element, replacement, 5 micron particles, high-density polyethylene (HDPE). For use with AF-2 series filters or AFR-2 series filter regulators.  | 0.01         |
| <a href="#">AFE2-31</a>                | \$3.00  | NITRA particulate filter element, replacement, 5 micron particles, high-density polyethylene (HDPE). For use with AF-3 series filters or AFR-3 series filter regulators.  | 0.01         |
| <a href="#">AFE2-41</a>                | \$4.25  | NITRA particulate filter element, replacement, 5 micron particles, high-density polyethylene (HDPE). For use with AF-4 series filters or AFR-4 series filter regulators.  | 0.01         |
| <a href="#">AFE2-61</a>                | \$11.00 | NITRA particulate filter element, replacement, 5 micron particles, high-density polyethylene (HDPE). For use with AF-6 series filters or AFR-6 series filter regulators.  | 0.04         |
| <b>NITRA Coalescing Filters</b>        |         |                                                                                                                                                                           |              |
| <a href="#">AFE-24</a>                 | \$20.50 | NITRA coalescing oil removal filter element, replacement, 0.3 micron particles, borosilicate glass microfiber. For use with AC-2 series coalescing filters.               | 0.05         |
| <a href="#">AFE-34</a>                 | \$25.50 | NITRA coalescing oil removal filter element, replacement, 0.3 micron particles, borosilicate glass microfiber. For use with AC-3 series coalescing filters.               | 0.05         |
| <a href="#">AFE-44</a>                 | \$40.50 | NITRA coalescing oil removal filter element, replacement, 0.3 micron particles, borosilicate glass microfiber. For use with AC-4 series coalescing filters.               | 0.1          |
| <a href="#">AFE-25</a>                 | \$20.50 | NITRA coalescing oil removal filter element, replacement, 0.01 micron particles, borosilicate glass microfiber. For use with AC-2 series coalescing filters.              | 0.04         |
| <a href="#">AFE-35</a>                 | \$25.50 | NITRA coalescing oil removal filter element, replacement, 0.01 micron particles, borosilicate glass microfiber. For use with AC-3 series coalescing filters.              | 0.05         |
| <a href="#">AFE-45</a>                 | \$40.50 | NITRA coalescing oil removal filter element, replacement, 0.01 micron particles, borosilicate glass microfiber. For use with AC-4 series coalescing filters.              | 0.1          |



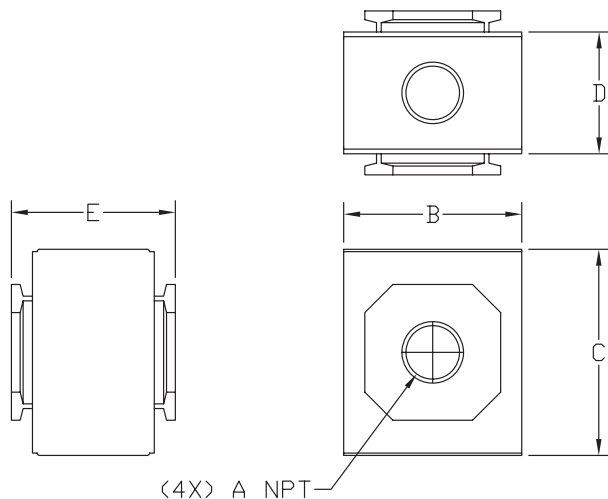
# Pneumatic Air Preparation Accessories

## Dimensions

mm [inches]

### ADB-x

| PART NO. | A NPT | DIM B       | DIM C       | DIM D       | DIM E       |
|----------|-------|-------------|-------------|-------------|-------------|
| ADB-21   | 1/8   | 30.0 [1.18] | 36.0 [1.42] | 19.5 [0.77] | 28.5 [1.12] |
| ADB-22   | 1/4   | 30.0 [1.18] | 36.0 [1.42] | 19.5 [0.77] | 28.5 [1.12] |
| ADB-32   | 1/4   | 38.0 [1.50] | 44.0 [1.73] | 26.0 [1.02] | 35.0 [1.38] |
| ADB-33   | 3/8   | 38.0 [1.50] | 44.0 [1.73] | 26.0 [1.02] | 35.0 [1.38] |
| ADB-44   | 1/2   | 52.0 [2.05] | 52.0 [2.05] | 30.0 [1.18] | 42.0 [1.65] |



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# Pneumatic Air Preparation Accessories

## Dimensions

mm [inches]

### AB-xT

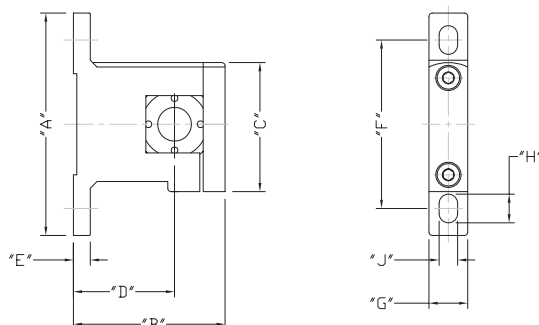


TABLE 1

| PART NUMBER | DIM "A"      | DIM "B"      | DIM "C"     | DIM "D"     | DIM "E"     | DIM "F"      | DIM "G"     | DIM "H"     | DIM "J"     |
|-------------|--------------|--------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|
| AB-2T       | 66.0 [2.60]  | 45.0 [1.77]  | 38.3 [1.51] | 30.0 [1.18] | 5.0 [0.20]  | 50.0 [1.97]  | 11.5 [0.45] | 8.5 [0.33]  | 5.5 [0.22]  |
| AB-3T       | 88.0 [3.46]  | 60.5 [2.38]  | 49.3 [1.94] | 41.5 [1.63] | 7.0 [0.28]  | 70.0 [2.76]  | 12.5 [0.49] | 9.0 [0.35]  | 6.5 [0.26]  |
| AB-4T       | 104.0 [4.09] | 76.0 [2.99]  | 58.5 [2.30] | 50.0 [1.97] | 7.0 [0.28]  | 80.0 [3.15]  | 15.5 [0.61] | 12.0 [0.47] | 8.6 [0.34]  |
| AB-6T       | 128.0 [5.04] | 104.0 [4.09] | 79.5 [3.13] | 70.0 [2.76] | 10.0 [0.39] | 100.0 [3.94] | 19.5 [0.77] | 16.0 [0.63] | 11.0 [0.43] |

### AB-xL

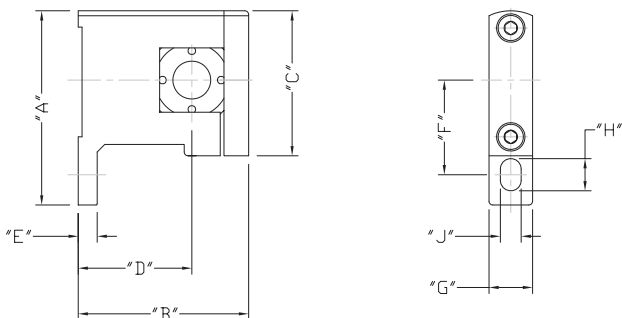


TABLE 1

| PART NUMBER | DIM "A"      | DIM "B"      | DIM "C"     | DIM "D"     | DIM "E"     | DIM "F"     | DIM "G"     | DIM "H"     | DIM "J"     |
|-------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| AB-2L       | 51.3 [2.02]  | 45.0 [1.77]  | 38.3 [1.51] | 30.0 [1.18] | 5.0 [0.20]  | 25.0 [0.98] | 11.5 [0.45] | 8.5 [0.33]  | 5.5 [0.22]  |
| AB-3L       | 68.6 [2.70]  | 60.5 [2.38]  | 49.3 [1.94] | 41.5 [1.63] | 7.0 [0.28]  | 35.0 [1.38] | 12.5 [0.49] | 9.0 [0.35]  | 6.5 [0.26]  |
| AB-4L       | 79.5 [3.13]  | 76.0 [2.99]  | 58.5 [2.30] | 50.0 [1.97] | 7.0 [0.28]  | 40.0 [1.57] | 15.5 [0.61] | 12.0 [0.47] | 8.6 [0.34]  |
| AB-6L       | 103.5 [4.07] | 104.0 [4.09] | 79.5 [3.13] | 70.0 [2.76] | 10.0 [0.39] | 50.0 [1.97] | 19.5 [0.77] | 16.0 [0.63] | 11.0 [0.43] |

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# Pneumatic Air Preparation Accessories

## Dimensions

mm [inches]

**AB-xU**

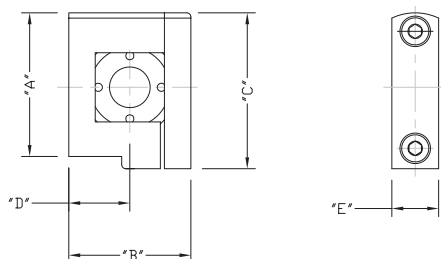


TABLE 1

| PART NUMBER | DIM "A"     | DIM "B"     | DIM "C"     | DIM "D"     | DIM "E"     |
|-------------|-------------|-------------|-------------|-------------|-------------|
| AB-2U       | 35.5 [1.39] | 30.0 [1.18] | 38.3 [1.51] | 15.0 [0.59] | 11.5 [0.45] |
| AB-3U       | 43.8 [1.72] | 38.0 [1.50] | 49.3 [1.94] | 19.5 [0.75] | 12.5 [0.49] |
| AB-4U       | 52.5 [2.07] | 52.0 [2.05] | 58.5 [2.30] | 26.0 [1.02] | 15.5 [0.61] |
| AB-6U       | 76.5 [3.01] | 68.0 [2.68] | 79.5 [3.13] | 34.0 [1.34] | 19.5 [0.77] |

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