

# EXAIR®

MANUFACTURING INTELLIGENT COMPRESSED AIR® PRODUCTS SINCE 1983

Super Air Nozzles

Vortex Tubes

Chip Vac

Air Amplifiers

Silencing Mufflers

Chip Trapper

Leak Detector

Safety Air Guns

Super Air Wipes

Super Air Knife

Cabinet Cooler® Systems

Air Operated Conveyors

E-Vac® Vacuum Generators

Static Eliminators

Reversible Drum V

Adjustable

Frank



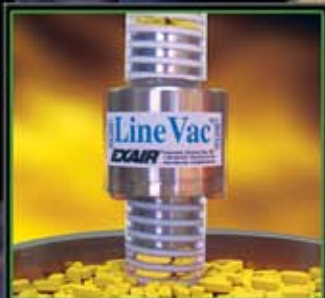
**CONSERVE**



**COOL**



**CLEAN**



**CONVEY**



**NEW**

**Adjustable E-Vac®  
Modular E-Vac®**



**23  
CATALOG**



YOU REQUESTED THIS CATALOG AND PRICE LIST.  
PLEASE SEE MAILING LABEL ON BACK COVER.



|                 |   |  |                 |   |  |
|-----------------|---|--|-----------------|---|--|
| <b>Page 3</b>   | <b>EXAIR Optimization</b><br>Minimize Compressed Air Use and Detect Wasteful Leaks                      |   | <b>Page 11</b>  | <b>Air Knives</b><br>Blowoff, Clean, Dry and Cool With Less Noise and Air Consumption               |   |
| <b>Page 29</b>  | <b>Air Wipes</b><br>Blowoff, Dry, Clean and Cool Pipe, Cable, Extruded Shapes and Hose                  |   | <b>Page 35</b>  | <b>Air Amplifiers</b><br>Vent, Exhaust, Cool, Dry and Clean - With No Moving Parts                  |   |
| <b>Page 43</b>  | <b>Air Nozzles and Jets</b><br>Reduce Noise Levels and Air Costs on Blowoff Operations                  |   | <b>Page 59</b>  | <b>Safety Air Guns</b><br>Safety Air Guns Use Engineered Air Nozzles for High Performance           |   |
| <b>Page 65</b>  | <b>Static Eliminators</b><br>Eliminate Static Electricity, Dust and Shock Hazard                        |   | <b>Page 87</b>  | <b>E-Vac<sup>®</sup> Vacuum Generators</b><br>Vacuums for Lifting, Clamping, Mounting and Placement |   |
| <b>Page 103</b> | <b>Air Operated Conveyors</b><br>Convey Parts, Materials and Waste - With No Moving Parts               |   | <b>Page 115</b> | <b>Industrial Housekeeping</b><br>Reliable Vacuums for Chip Removal, Liquid Transfer and Cleaning   |   |
| <b>Page 129</b> | <b>Vortex Tubes and Spot Cooling</b><br>Cold Air for Industrial Spot Cooling Problems                   |   | <b>Page 141</b> | <b>Cold Gun Aircoolant Systems</b><br>Cool Machining Operations With Clean, Cold Air                |   |
| <b>Page 145</b> | <b>Cabinet Cooler<sup>®</sup> Systems</b><br>Cool and Purge NEMA 12, 4 and 4X Electrical Control Panels |  | <b>Page 154</b> | <b>Accessories</b><br>Mufflers, Filters, Regulators, Valves, Swivel Fittings and More               |  |

|  |           |  |   |
|--|-----------|--|---|
| Terms and Conditions .....               | 2         | <b>Safety Air Guns..... 59</b>                     | <b>Industrial Housekeeping.....115</b>          |
| <b>EXAIR Optimization .....</b>          | <b>3</b>  | Soft Grip Safety Air Guns .....                    | Chip Vac .....                                  |
| Electronic Flow Control .....            | 4         | Heavy Duty Safety Air Guns .....                   | 115   |
| Ultrasonic Leak Detector .....           | 7         | <b>NEW</b> Super Blast Safety Air Guns .....       | <b>NEW</b> Heavy Duty Dry Vac.....              |
| Digital Flowmeter .....                  | 9         | 63   | 117   |
| Digital Sound Level Meter .....          | 10        | <b>Static Eliminators..... 65</b>                  | Reversible Drum Vac.....                        |
| <b>Air Knives.....11</b>                 |           | Super Ion Air Knife .....                          | 119   |
| Super Air Knife.....                     | 11        | Power Supplies .....                               | <b>NEW</b> Chip Trapper.....                    |
| <b>NEW</b> PVDF Super Air Knife.....     | 17        | Standard Ion Air Knife .....                       | 121   |
| Universal Mounting System.....           | 20        | Ionizing Bars .....                                | Vac-u-Gun.....                                  |
| <b>NEW</b> Long Super Air Knife.....     | 22        | Super Ion Air Wipes.....                           | 123   |
| Standard Air Knife.....                  | 24        | Ion Air Cannon.....                                | Deep Hole Vac-u-Gun .....                       |
| Full-Flow Air Knife.....                 | 27        | Ion Air Gun .....                                  | 125   |
| <b>Air Wipes .....</b>                   | <b>29</b> | Ion Air Jet .....                                  | Window Blowoff .....                            |
| Super Air Wipes .....                    | 29        | Stay Set Ion Air Jet.....                          | 127   |
| Standard Air Wipes.....                  | 33        | Ionizing Point.....                                | <b>Vortex Tubes &amp; Spot Cooling .. 129</b>   |
| <b>Air Amplifiers .....</b>              | <b>35</b> | Static Meter .....                                 | Vortex Tubes .....                              |
| Super Air Amplifiers .....               | 37        | AC Sensor .....                                    | 129   |
| Adjustable Air Amplifiers.....           | 41        | <b>E-Vac<sup>®</sup> Vacuum Generators..... 87</b> | Adjustable Spot Cooler.....                     |
| <b>Air Nozzles and Jets .....</b>        | <b>43</b> | In-Line.....                                       | 137   |
| Air Nozzles .....                        | 43        | <b>NEW</b> Modular .....                           | Mini Cooler.....                                |
| Super Air Nozzles.....                   | 46        | <b>NEW</b> Adjustable .....                        | 140   |
| Air Jets .....                           | 50        | Vacuum Cups .....                                  | <b>Cold Gun Aircoolant Systems... 141</b>       |
| High Force Air Nozzles .....             | 52        | <b>Air Operated Conveyors .....</b>                | Cold Gun .....                                  |
| <b>NEW</b> Large Super Air Nozzles ..... | 53        | Line Vac.....                                      | 141   |
| Super Air Nozzle Clusters .....          | 56        | Threaded Line Vac.....                             | <b>Cabinet Cooler<sup>®</sup> Systems .....</b> |
| Stay Set Hoses .....                     | 57        | Heavy Duty Line Vac.....                           | 145   |
|  |           | Light Duty Line Vac.....                           | NEMA 12, 4 and 4X .....                         |
|  |           |  | 145   |
|  |           |  | <b>NEW</b> Electronic Temperature Control ..... |
|  |           |  | 150   |
|  |           |  | <b>Accessories .....</b>                        |
|  |           |  | 154   |
|  |           |  | Silencing Mufflers .....                        |
|  |           |  | 154   |
|  |           |  | Filters .....                                   |
|  |           |  | 156   |
|  |           |  | Regulators .....                                |
|  |           |  | 157   |
|  |           |  | Valves, Swivels, Thermostats .....              |
|  |           |  | 158   |
|  |           |  | Magnetic Bases, Stay Sets, Hoses .....          |
|  |           |  | 159   |
|  |           |  | Receiver Tank, Fittings .....                   |
|  |           |  | 160   |

# Terms and Conditions (U.S. and Canada Only)

**Terms:** Net 30 days upon credit approval, Visa, MasterCard, Discover and American Express.



**F.O.B. Point:** EXAIR Corporation, Cincinnati, Ohio. For U.P.S. shipment, freight is prepaid and added to the invoice.

**Delivery:** All cataloged products are shipped from stock, via U.P.S. within 24 hours after receipt of order. Priority shipment is available upon request.

**Ordering:** Call 1-800-903-9247 or 513-671-3322 Worldwide  
8:00 a.m. to 5:00 p.m. ET (Mon. - Fri.)  
Fax toll free 1-866-329-3924 or  
513-671-3363 Worldwide  
E-mail: [orders@exair.com](mailto:orders@exair.com)  
[www.exair.com](http://www.exair.com) (secure web site)

**Remit to address (payments only):**

EXAIR Corporation  
Location 00766  
Cincinnati, Ohio 45264-0766

**Tax:** Sales and use tax, where applicable, are not included.

**Technical Assistance:** Please call our Application Engineering Department, 1-800-90-EXAIR (1-800-903-9247).

**OSHA and CE Compliance:** EXAIR compressed air products comply with OSHA's Safety Requirements, the EU General Product Safety Directive (2001/95/EC) and meet the noise limitation requirements of the EU Machinery Directive (98/37/EC). They help companies comply with the Noise Directive (86/188/EEC) along with pending changes to the workplace noise requirements due to the implementation of the Physical Agents Directive (2003/10/EC). These directives are non-marking directives and do not allow display of the CE mark. Some EXAIR products display the CE mark where there are applicable directives.

**RoHS:** Electrical portions of EXAIR's static eliminators, EFC, ETC, solenoid valves, and thermostats comply with the RoHS (Restriction of Hazardous Substances) Directive 2002/95/EC, including the amendment outlined in the European Commission decision L 214/65.

**Reach:** Per Regulation (EC) No 1907/2006 Title I, Article 3, paragraph 3, the European Union has recently enacted legislation to register chemicals and substances imported into the EU to ensure a high level of protection of human health and the environment.

Per Title II, Article 7, paragraph 1, articles (products) must be registered when a substance is intended to be released under normal or reasonably foreseeable conditions of use and it is present in those articles in quantities totaling over 1 metric ton per producer or importer per year. Registration of EXAIR products is not required since they do not contain substances that are intentionally released.

**Copyright Restrictions:** The content of the EXAIR Catalog, including all photos, graphics, drawings and arrangements are proprietary to EXAIR Corporation and are protected by the United States and international copyright and trademark laws. You are authorized to use the contents of the EXAIR Catalog for personal use or as it relates to your role as a current or prospective customer of EXAIR. The contents of this catalog may not be copied or modified for any type of publication or distribution without the prior written consent of EXAIR Corporation. The content of the EXAIR Catalog is the intellectual property solely of the EXAIR Corporation with no rights transferred to other parties. No part of this catalog may be reproduced for any commercial purposes without the express authorization in writing by the EXAIR Corporation.

**Trademarks:** "EXAIR", "Cabinet Cooler", "E-Vac", "Intelligent Compressed Air", and "Compressed Air Intelligence" are registered trademarks of the EXAIR Corporation. The EXAIR logo, product names, designs and descriptive phrases are trademarked by EXAIR Corporation. These trademarks may not be used without prior written permission of the EXAIR Corporation.

EFC, Digital Flowmeter, Digital Sound Level Meter, High Power Cold Gun, Super Air Knife, Standard Air Knife, Full-Flow Air Knife, Super Air Amplifier, Adjustable Air Amplifier, Super Air Nozzle, Micro Air Nozzle, High Power Safety Air Gun, Stay Set Hose, Super Blast Safety Air Gun, Super Air Wipe, Standard Air Wipe, Super Ion Air Knife, Standard Ion Air Knife, Super Ion Air Wipe, Ion Air Cannon, Ion Air Gun, Ion Air Jet, Ionizing Point, Stay Set Ion Air Jet, Line Vac, Chip Vac, Heavy Duty Dry Vac, Reversible Drum Vac, Chip Trapper, Vac-u-Gun, Air Disk, Air Stik, Mini Cooler, Cold Gun Aircoolant, and ETC are trademarks of EXAIR Corporation.



Intelligent Compressed Air® products are identified throughout this catalog that can help your plant save tens of thousands of dollars over the course of a single year. *The Best Practices for Compressed Air Systems* manual published by the Compressed Air Challenge® recommends products like the Super Air Knife™, Super Air Amplifier™, and the family of Super Air Nozzles™ for energy conservation. Many of the products shown offer unique ways to solve common industrial problems using compressed air. Compressed Air Challenge is a registered trademark of Compressed Air Challenge, Inc.



EXAIR has partnered with Energy Star, a voluntary program of the U.S. Department of Energy and the Environmental Protection Agency. Energy Star offers energy efficient solutions to help save money while protecting the environment for future generations. EXAIR has implemented improved energy management practices and technologies throughout our facility, including energy efficient lighting, HVAC systems, and electronic thermostats. EXAIR's participation in this program underscores our commitment to conserving energy.

EXAIR products are subject to ongoing development. Specifications are subject to change without notice.

Some products in this catalog are covered by U.S. Patent #5402938 and others may be U.S. Patent Pending. Copyright ©2009 EXAIR Corporation. All Rights Reserved.

**Warranty:** 5 Year "Built To Last" Warranty against defects in workmanship and materials on all compressed air products\*. Defective products must be returned freight prepaid for repair or replacement at our option. This warranty applies under conditions of normal use, but does not apply to defects that result from intentional damage, negligence, unreasonable use or exposure.

\*5 Year Warranty applies to compressed air products only.  
A 1 Year Warranty applies to all accessories and electrically powered products.



**EXAIR's Unconditional Guarantee:** Extends to all U.S. and Canadian customers and includes invoiced U.P.S. Ground Service shipping charges. Products returned after the 30 day guarantee period are subject to a 15% restocking charge. Products must be returned freight prepaid.



**EXAIR** Corporation  
11510 Goldcoast Dr.  
Cincinnati, Ohio 45249-1621

**Phone Number:** (513) 671-3322  
**Fax Number:** (513) 671-3363  
**E-mail:** [techhelp@exair.com](mailto:techhelp@exair.com)  
**Web Site:** [www.exair.com](http://www.exair.com)

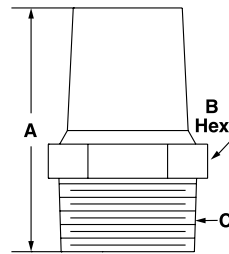
# Accessories

## Silencing Mufflers

EXAIR Silencing Mufflers help to reduce work area noise produced by air exhausting from cylinders, valves and other air powered equipment. Per OSHA standard 1910.95, a worker must not be exposed to sound levels above 90 dBA for any eight hour shift of a 40 hour work week. Silencing Mufflers help plants meet this OSHA requirement by reducing the sound to safe levels below 90 dBA. They also eliminate harmful dead ended pressures. Each style of Silencing Muffler shown has a high airflow capacity, with low back pressure. Popular NPT sizes are ideal for new and existing installations.

### Sintered Bronze Mufflers

EXAIR's low cost Sintered Bronze Mufflers are easy to install in new and existing exhaust ports of valves, cylinders and other air powered equipment. Each Sintered Bronze Muffler is capable of passing a certain volume of air with minimal back pressure restriction so it doesn't interfere with the operation of the cylinder or valve. When used with cylinders, the "Muffler Quick Pick" table helps you select the appropriate model based on the actual bore and stroke of the cylinder. (Note: Model 9089 has a 1/2"-20 straight thread to fit most solenoid valves.)



| Model # | Overall Length |      | Hex  | Thread Size    |
|---------|----------------|------|------|----------------|
|         | A              | B    | C    |                |
| 9080    | in             | 0.72 | 0.31 | #10-32         |
|         | mm             | 18   | 8    |                |
| 9081    | in             | 1.13 | 0.44 | 1/8 NPT        |
|         | mm             | 29   | 11   |                |
| 9082    | in             | 1.38 | 0.56 | 1/4 NPT        |
|         | mm             | 35   | 14   |                |
| 9083    | in             | 1.50 | 0.69 | 3/8 NPT        |
|         | mm             | 38   | 18   |                |
| 9084    | in             | 1.88 | 0.88 | 1/2 NPT        |
|         | mm             | 48   | 22   |                |
| 9085    | in             | 2.25 | 1.06 | 3/4 NPT        |
|         | mm             | 57   | 27   |                |
| 9086    | in             | 2.91 | 1.31 | 1 NPT          |
|         | mm             | 74   | 33   |                |
| 9087    | in             | 3.25 | 1.69 | 1-1/4 NPT      |
|         | mm             | 83   | 43   |                |
| 9088    | in             | 3.69 | 2    | 1-1/2 NPT      |
|         | mm             | 94   | 51   |                |
| 9089*   | in             | 1.19 | 0.63 | 1/2"-20 FEMALE |
|         | mm             | 30   | 16   |                |



|  |   |
|--|---|
|  Model 9080 |  Model 9085                      |
|  Model 9081 |  Model 9086                      |
|  Model 9082 |  Model 9087                      |
|  Model 9083 |  Model 9088                      |
|  Model 9084 |  Contact an Application Engineer |

Muffler will exhaust cylinder in 1/2 second for a cylinder charged to 100 PSIG

Muffler Quick Pick

| Bore (in.) | Stroke (in.) |      |      |      |      |      |      |      |      |      |
|------------|--------------|------|------|------|------|------|------|------|------|------|
|            | 3            | 6    | 9    | 12   | 18   | 24   | 30   | 36   | 42   | 48   |
| 0.5        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 1.0        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 1.5        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 2.0        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 2.5        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 3.0        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 3.5        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 4.0        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 4.5        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 5.0        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 5.5        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 6.0        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |

\* Model 9089 for solenoid valves only.

### Reclassifying Mufflers

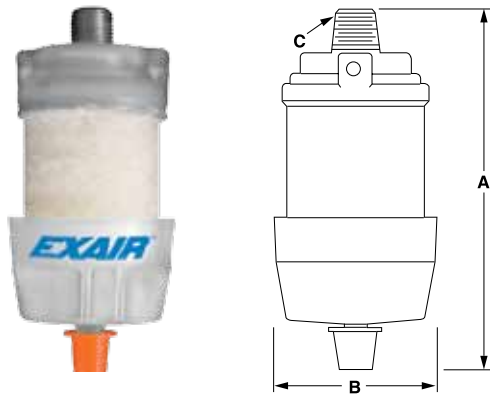
Reclassifying Mufflers are an upgrade from Sintered Bronze Mufflers. They offer the best noise reduction - up to 35 dB. Reclassifying Mufflers eliminate oil mist. Exhaust air from cylinders and valves often contain oil mists that can contaminate the workers' breathing air, affecting their health. Per OSHA standard 29 CFR 1910.10, a worker's cumulative exposure to oil mist must not exceed 4.32 PPM (particles per million) in any eight hour shift of a 40 hour work week.

The patented wrap design of the removable element separates oil from the exhausted air so virtually no oil is released into the environment. Based on an intake of 50 PPM at 100 PSIG, the Reclassifying Mufflers reclassify and reduce the exhausted oil mist to .015 PPM. A reservoir where oil accumulates at the bottom can be drained by attaching a 1/4" tube.



## Reclassifying Mufflers continued

Each Reclassifying Muffler passes a certain volume of air with minimal back pressure restriction so it doesn't interfere with the operation of the cylinder or valve. When used with cylinders, the "Muffler Quick Pick" table helps you select the appropriate model based on the actual bore and stroke of the cylinder.



- Model 9070
- Model 9071
- Model 9072
- Model 9073
- Model 9074
- Model 9075
- Contact an Application Engineer for more information.

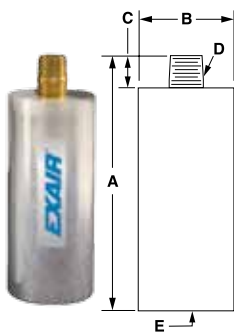
Muffler Needed To Exhaust In 1/2 Second For A Cylinder Charged To 100 PSIG

### Muffler Quick Pick

| Bore (in.) | Stroke (in.) |      |      |      |      |      |      |      |      |      |
|------------|--------------|------|------|------|------|------|------|------|------|------|
|            | 3            | 6    | 9    | 12   | 18   | 24   | 30   | 36   | 42   | 48   |
| 0.5        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 1.0        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 1.5        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 2.0        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 2.5        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 3.0        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 3.5        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 4.0        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 4.5        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 5.0        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 5.5        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |
| 6.0        | Blue         | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |

| Model # | Description           |    | A    | B    | C       | Replacement Element # |
|---------|-----------------------|----|------|------|---------|-----------------------|
| 9070    | Reclassifying Muffler | in | 3.13 | 1.63 | 1/8 NPT | 900553                |
|         |                       | mm | 80   | 41   |         |                       |
| 9071    | Reclassifying Muffler | in | 3.13 | 1.63 | 1/4 NPT | 900554                |
|         |                       | mm | 80   | 41   |         |                       |
| 9072    | Reclassifying Muffler | in | 4.75 | 2.44 | 3/8 NPT | 900555                |
|         |                       | mm | 121  | 62   |         |                       |
| 9073    | Reclassifying Muffler | in | 4.75 | 2.44 | 1/2 NPT | 900555                |
|         |                       | mm | 121  | 62   |         |                       |
| 9074    | Reclassifying Muffler | in | 6.25 | 3.31 | 3/4 NPT | 900555                |
|         |                       | mm | 159  | 84   |         |                       |
| 9075    | Reclassifying Muffler | in | 6.25 | 3.31 | 1 NPT   | 900555                |
|         |                       | mm | 159  | 84   |         |                       |

## Straight-Through Mufflers



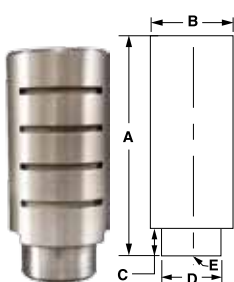
Straight-Through Silencing Mufflers feature a corrosion-resistant aluminum outer shell lined with sound-absorbing foam for better noise reduction. The typical noise reduction is up to 20 dB.

| Model # | Description              |    | A    | B   | C   | D        | E        | Rated Flow |
|---------|--------------------------|----|------|-----|-----|----------|----------|------------|
| 3905    | Straight-Through Muffler | in | 4    | 1.5 | .5  | 1/4 MNPT | 1/4 FNPT | 22 SCFM    |
|         |                          | mm | 102  | 38  | 13  |          |          | 623 SLPM   |
| 3911    | Straight-Through Muffler | in | 4.13 | 1.5 | .63 | 3/8 MNPT | 3/8 FNPT | 50 SCFM    |
|         |                          | mm | 105  | 38  | 16  |          |          | 1415 SLPM  |
| 3913    | Straight-Through Muffler | in | 9.75 | 2   | .75 | 3/4 MNPT | 3/4 FNPT | 73 SCFM    |
|         |                          | mm | 248  | 51  | 19  |          |          | 2066 SLPM  |

Flow rated at 1/2 PSIG back pressure

Caution: Operations approaching 32°F (0°C) could result in freeze-up due to moisture in the compressed air line.

## Heavy Duty Mufflers



Heavy Duty Silencing Mufflers feature a corrosion-resistant aluminum outer shell with an internal stainless steel screen that protects valves and cylinders from contamination that could enter through the exhaust ports. This also keeps contaminants such as rust from being ejected at high speed from the exhaust port. The typical noise reduction is up to 14 dB.

| Model # | Description        |    | A    | B   | C   | D   | E        |
|---------|--------------------|----|------|-----|-----|-----|----------|
| 3903    | Heavy Duty Muffler | in | 1.81 | .81 | .44 | .63 | 1/4 FNPT |
|         |                    | mm | 46   | 21  | 11  | 16  |          |
| 3907    | Heavy Duty Muffler | in | 4.5  | 2   | .75 | 1.5 | 3/4 FNPT |
|         |                    | mm | 114  | 51  | 19  | 38  |          |

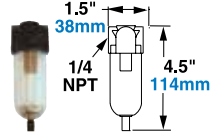
Caution: Operations approaching 32°F (0°C) could result in freeze-up due to moisture in the compressed air line.



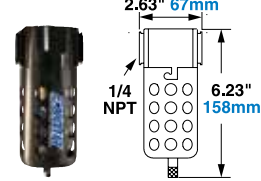
# Accessories

## Filter Separators

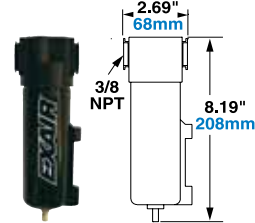
**Model 9003**



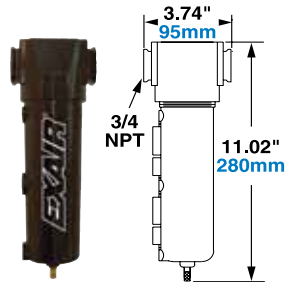
**Model 9004**



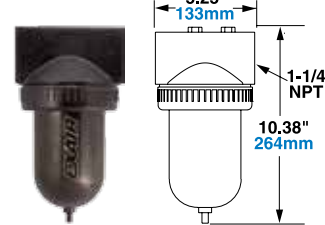
**Model 9001 & 9032**



**Model 9002**



**Model 9066**



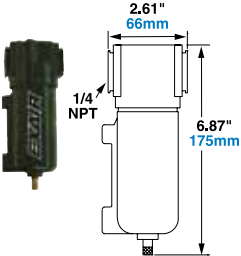
EXAIR's Filter Separators remove water, dirt and rust from your compressed air system. They prevent these contaminants from plugging or damaging the compressed air products. A filter separator should be installed prior to an oil removal filter, pressure regulator or valve.

The Model 9003 Manual Drain Filter has a polycarbonate bowl and a 20 micron filter element. A manual drain is used to empty the filter. Model 9001, 9002, 9004, 9032, and 9066 Automatic Drain Filter Separators have a metal bowl and a 5 micron filter element (Model 9004 has a polycarbonate bowl with a metal guard). An internal float automatically activates the drain when the bowl becomes full.

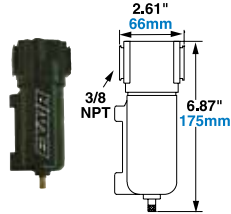
| Model #     | Description   |
|-------------|---|
| <b>9003</b> | Manual Drain Filter Separator, 1/4 NPT, 27 SCFM (765 SLPM)          |
| <b>9004</b> | Automatic Drain Filter Separator, 1/4 NPT, 43 SCFM (1218 SLPM)      |
| <b>9001</b> | Automatic Drain Filter Separator, 3/8 NPT, 65 SCFM (1841 SLPM)      |
| <b>9032</b> | Automatic Drain Filter Separator, 1/2 NPT, 90 SCFM (2548 SLPM)      |
| <b>9002</b> | Automatic Drain Filter Separator, 3/4 NPT, 220 SCFM (6230 SLPM)     |
| <b>9066</b> | Automatic Drain Filter Separator, 1-1/4 NPT, 400 SCFM (11,327 SLPM) |

## Oil Removal Filters

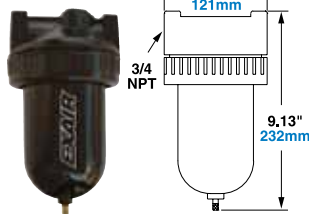
**Model 9027**



**Model 9005**



**Model 9006**

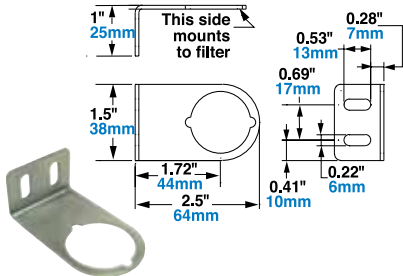


EXAIR's Model 9027, 9005 and 9006 Oil Removal Filters remove oil particulate that is typical of many compressed air systems. A .03 micron element is used to trap submicron particles. An internal float automatically activates the drain when full.

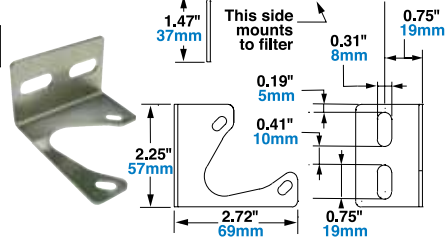
| Model #     | Description   |
|-------------|---|
| <b>9027</b> | Oil Removal Filter, 1/4 NPT, 24 SCFM (680 SLPM)             |
| <b>9005</b> | Oil Removal Filter, 3/8 NPT, 15 - 37 SCFM (425-1048 SLPM)   |
| <b>9006</b> | Oil Removal Filter, 3/4 NPT, 50 - 150 SCFM (1415-4248 SLPM) |

## Filter Mounting Brackets

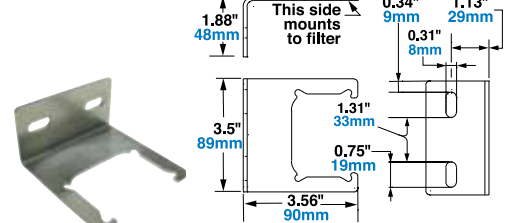
**Model 900395**



**Model 900396**



**Model 900397**

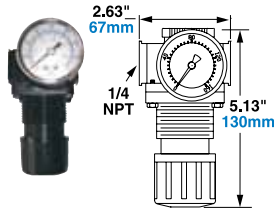


| Model #       | Description   |
|---------------|---|
| <b>900395</b> | Mounting Bracket for Model 9003                             |
| <b>900396</b> | Mounting Bracket for Model 9001, 9004, 9005, 9027, and 9032 |
| <b>900397</b> | Mounting Bracket for Model 9002                             |

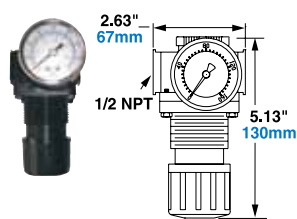
## Pressure Regulators

EXAIR's Model 9008, 9033, 9009 and 9067 Pressure Regulators permit easy selection of the operating pressure. A pressure gauge is included.

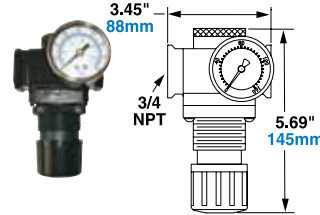
**Model 9008**



**Model 9033**



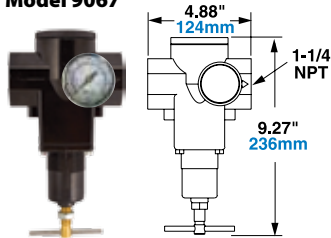
**Model 9009**



**Model 9011**

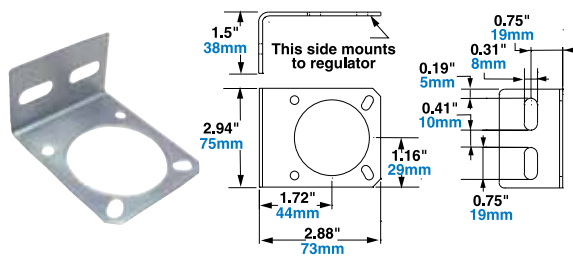


**Model 9067**



| Model #     | Description  |
|-------------|--|
| <b>9008</b> | Pressure Regulator with Gauge, 1/4 NPT, 50 SCFM (1415 SLPM)      |
| <b>9033</b> | Pressure Regulator with Gauge, 1/2 NPT, 100 SCFM (2832 SLPM)     |
| <b>9009</b> | Pressure Regulator with Gauge, 3/4 NPT, 220 SCFM (6230 SLPM)     |
| <b>9067</b> | Pressure Regulator with Gauge, 1-1/4 NPT, 600 SCFM (16,990 SLPM) |
| <b>9011</b> | Pressure Gauge Only, 1/4 NPT, 0-160 PSI (0-11 BAR)               |

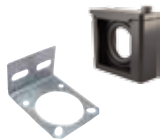
## Pressure Regulator Mtg Brackets



This optional mounting bracket fits Models 9008, 9033 and 9009 pressure regulators and includes the bracket and a locking ring.

| Model #       | Description                                    |
|---------------|--|
| <b>900398</b> | Mounting Bracket for Model 9008, 9033 and 9009 |

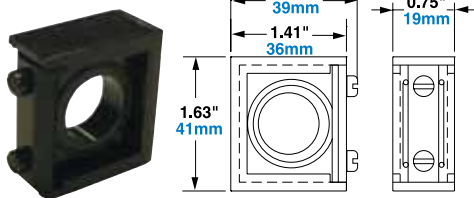
## Mounting and Coupling Kits



| Model #     | Description   |
|-------------|---|
| <b>9046</b> | Mounting and Coupling Kit for Model 9001 Filter/Model 9008 Regulator and Model 9032 Filter/Model 9033 Regulator |
| <b>9047</b> | Mounting and Coupling Kit for Model 9002 Filter/Model 9009 Regulator  |
| <b>9048</b> | Mounting and Coupling Kit for Model 9004 Filter/Model 9005 Oil Removal Filter                                   |

## Coupling Kits

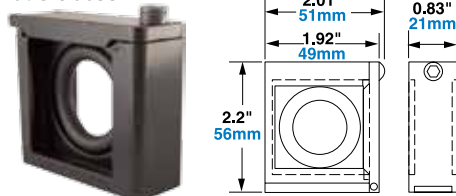
**Model 900394**



EXAIR's Coupling Kits are interlocking slides that couple the modular filters and pressure regulators together.

| Model #       | Description   |
|---------------|---|
| <b>900394</b> | Fits auto drain filters and regulators with 1/4 NPT, 3/8 NPT, and 1/2 NPT threads |
| <b>900552</b> | Fits auto drain filters and regulators with 3/4 NPT threads                       |

**Model 900552**



# Accessories

## Solenoid Valves



Solenoid Valves are available in a variety of flow rates and voltages. All models are UL Listed and are CE and RoHS compliant.



| Model # | Description   |
|---------|---|
| 9018    | NEMA 4-4X Solenoid Valve, 110-120V, 50/60Hz, 1/4 NPT, 40 SCFM (1133 SLPM) |
| 9020    | Solenoid Valve, 120V, 50/60Hz, 1/4 NPT, 40 SCFM (1133 SLPM)               |
| 9021    | Solenoid Valve, 200-240V, 50/60Hz, 1/4 NPT, 40 SCFM (1133 SLPM)           |
| 9024    | NEMA 4-4X Solenoid Valve, 240V, 50/60Hz, 1/4 NPT, 40 SCFM (1133 SLPM)     |
| 9059    | NEMA 4-4X Solenoid Valve, 24VDC, 3/4 NPT, 200 SCFM (5664 SLPM)            |
| 9031    | Solenoid Valve, 24VDC, 1/4 NPT, 40 SCFM (1133 SLPM)                       |
| 9034    | Solenoid Valve, 120V, 50/60Hz, 1/2 NPT, 100 SCFM (2832 SLPM)              |
| 9035    | Solenoid Valve, 240V, 50/60Hz, 1/2 NPT, 100 SCFM (2832 SLPM)              |
| 9058    | NEMA 4-4X Solenoid Valve, 24VDC, 1/2 NPT, 100 SCFM (2832 SLPM)            |
| 9036    | Solenoid Valve, 120V, 50/60Hz, 3/4 NPT, 200 SCFM (5664 SLPM)              |
| 9037    | Solenoid Valve, 240V, 50/60Hz, 3/4 NPT, 200 SCFM (5664 SLPM)              |
| 9065    | Solenoid Valve, 24VDC, 1 NPT, 350 SCFM (9911 SLPM)                        |

## Valves



| Model  | Description             |
|--------|-------------------------|
| 9012   | Manual Valve, 1/4 NPT   |
| 900340 | Manual Valve, 3/8 NPT   |
| 900343 | Manual Valve, 1/2 NPT   |
| 900743 | Manual Valve, 3/4 NPT   |
| 900346 | Manual Valve, 1 NPT     |
| 900744 | Manual Valve, 1-1/4 NPT |

| Model | Description         |
|-------|---------------------|
| 9040  | Foot Valve, 1/4 NPT |

## Swivel Fittings



EXAIR's Swivel Fittings make it easy to adjust the position of the Air Nozzles, Air Jets, and Air Amplifiers. Swivel Fittings permit a movement of 25 degrees from the center axis for a total movement of 50 degrees. Type 303 Stainless Steel.

| Model | Description            |
|-------|------------------------|
| 9052  | 1/8 NPT Swivel Fitting |
| 9053  | 1/4 NPT Swivel Fitting |
| 9068  | 3/8 NPT Swivel Fitting |
| 9069  | 1/2 NPT Swivel Fitting |

## ETC™ Electronic Temperature Control



**Model 9238** - 120VAC, 50/60 Hz  
**Model 9239** - 240VAC, 50/60 Hz

Setting Temperature: Membrane push button control  
 Power Supply Current: 165 mA max  
 Sensor: Type J Thermocouple  
 ETC enclosure: Polycarbonate NEMA 4X, IP 65, UL508, UL94-5V  
 Temperature Sampling Rate: 1 Reading/second  
 Max. Temp.: 158°F (70°C)  
 Solenoid Valve: 1/4 NPT  
 RoHS Compliant

EXAIR's NEW digital ETC™ (Electronic Temperature Control) provides precise temperature control for your electrical enclosure. The LED readout of the ETC™ displays the internal temperature of the electrical enclosure (°F or °C) that is constantly being monitored by a quick response thermocouple.

## Thermostat

The adjustable thermostat is factory set at 95°F (35°C). It will normally hold  $\pm 2^\circ\text{F}$  (1°C) of the desired temperature setting. It is rated 24V-240V, 50/60 Hz and is UL Recognized, CSA Certified.



| Model | Description |
|-------|-------------|
| 9017  | Thermostat  |



## Magnetic Bases

**Model 9042**   **Model 9043**   **Model 9029**



Magnetic bases are suited to applications where frequent movement of the air product is required. The powerful magnet permits horizontal or vertical mounting. A shutoff valve is provided that can be used to infinitely vary the force and flow.

| Model | Description  |
|-------|--|
| 9042  | One Outlet Magnetic Base with Shutoff Valve        |
| 9043  | Two Outlet Magnetic Base with Shutoff Valve        |
| 9029  | One Outlet Swivel Magnetic Base with Shutoff Valve |

## Stay Set Hoses

For applications where frequent repositioning of air product is required, the Flexible Stay Set Hoses™ are ideal. Simply mount the hose in close proximity to the application and bend it. Since the hose has "memory", it will not creep or bend. It will always keep the aim until physically moved to the next position.

(1/4 male NPT fitting on one end, 1/8 female NPT on the other)

### Model #   Description

|      |                                 |
|------|---------------------------------|
| 9256 | 6" (152mm) 1/4 MNPT x 1/8 FNPT  |
| 9262 | 12" (305mm) 1/4 MNPT x 1/8 FNPT |
| 9268 | 18" (457mm) 1/4 MNPT x 1/8 FNPT |
| 9274 | 24" (610mm) 1/4 MNPT x 1/8 FNPT |
| 9280 | 30" (762mm) 1/4 MNPT x 1/8 FNPT |
| 9286 | 36" (914mm) 1/4 MNPT x 1/8 FNPT |



(1/4 male NPT fitting on each end)

### Model #   Description

|      |                                 |
|------|---------------------------------|
| 9206 | 6" (152mm) 1/4 MNPT x 1/4 MNPT  |
| 9212 | 12" (305mm) 1/4 MNPT x 1/4 MNPT |
| 9218 | 18" (457mm) 1/4 MNPT x 1/4 MNPT |
| 9224 | 24" (610mm) 1/4 MNPT x 1/4 MNPT |
| 9230 | 30" (762mm) 1/4 MNPT x 1/4 MNPT |
| 9236 | 36" (914mm) 1/4 MNPT x 1/4 MNPT |



## Hoses

### 12 Foot (3.05m) Coiled Hoses

| Model # | Description                           | Model # | Description                           | Model # | Description                           |
|---------|---------------------------------------|---------|---------------------------------------|---------|---------------------------------------|
| 900106  | 1/8 NPT<br>Coiled Hose<br>With Swivel | 900750  | 1/4 NPT<br>Coiled Hose<br>With Swivel | 900751  | 3/8 NPT<br>Coiled Hose<br>With Swivel |



### Conveying Hose

Hose lengths are 10', 20', 30', 40' and 50'. Select the hose model number (diameter) and indicate the length with a dash. Example: A Model 6931-20 is 1" ID Hose x 20' long.



| Model # | Description  | Model # | Description    | Model # | Description    |
|---------|--------------|---------|----------------|---------|----------------|
| 6928-   | Hose 3/8" ID | 6931-   | Hose 1" ID     | 6934-   | Hose 2" ID     |
| 6929-   | Hose 1/2" ID | 6932-   | Hose 1-1/4" ID | 6935-   | Hose 2-1/2" ID |
| 6930-   | Hose 3/4" ID | 6933-   | Hose 1-1/2" ID | 6936-   | Hose 3" ID     |

### Compressed Air Hose

Compressed air hose (3/8" ID) is constructed of reinforced synthetic rubber to assure long life and protection against ozone, weathering, and temperatures up to 158°F (70°C). Includes a 1/4 NPT male brass fitting on each end. Hose lengths are 10', 20', 30', 40' and 50'. Indicate the length with a dash. Example: A Model 900061-30 is a 30' long compressed air hose.



| Model #  | Description                              |
|----------|--|
| 900061 - | Compressed Air Hose, 1/4 MNPT x 1/4 MNPT |

# Accessories

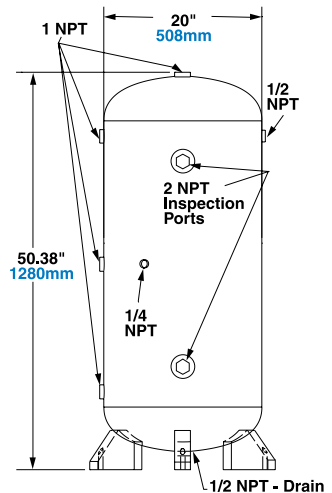
## 60 Gallon Receiver Tank



Some applications require an intermittent demand for a high volume of compressed air. This can cause fluctuations in pressure and volume throughout the compressed air system with some points being “starved” for compressed air. EXAIR’s Model 9500-60 60 Gallon Receiver Tank can be installed near the point of the high demand so there is an additional supply of compressed air available for a short duration. The time between the high volume demand occurrences should be long enough so the compressor has enough time to replenish the EXAIR 60 Gallon Receiver Tank.

The 60 gallon vertical steel tank with mounting feet saves floor space and meets the American Society of Mechanical Engineers (ASME) pressure vessel code. (It is not ASME rated for vacuum.) A drain valve is provided for placement at the bottom of the tank to discharge liquid and contaminants.

A user supplied check valve installed upstream of the receiver tank will maintain the tank at maximum pressure so upstream uses of compressed air do not deplete the tank. A user supplied needle valve can regulate the refilling of the receiver tank, effectively reducing the large intermittent air requirement into a smaller average demand.



### Receiver Tank

| Model   | Description             |
|---------|-------------------------|
| 9500-60 | 60 Gallon Receiver Tank |

- Pressure tank has a primer finish
- Temperature rating is -20° to 450°F
- Tank maximum pressure is 200 PSIG
- No plugs are included for open ports. User must supply pressure rated plugs and pressure relief valve
- Weight is 165 lbs. (75 kg)
- Please consult your local code requirements prior to installation.

## Compressed Air Fittings



| Hex Nipple |          |                     |
|------------|----------|---------------------|
| Model      | Material | Thread Size         |
| 9890       | Brass    | 1/8 MNPT x 1/8 MNPT |
| 9944       | Brass    | 1/4 MNPT x 1/4 MNPT |
| 9759       | Brass    | 3/8 MNPT x 3/8 MNPT |
| 9760       | Brass    | 1/2 MNPT x 1/2 MNPT |
| 9761       | Brass    | 3/4 MNPT x 3/4 MNPT |
| 9958       | 304SS    | 1/8 MNPT x 1/8 MNPT |
| 9959       | 304SS    | 1/4 MNPT x 1/4 MNPT |
| 9960       | 304SS    | 3/8 MNPT x 3/8 MNPT |
| 9961       | 304SS    | 1/2 MNPT x 1/2 MNPT |



| Close Nipple |          |                     |
|--------------|----------|---------------------|
| Model        | Material | Thread Size         |
| 9551         | Brass    | 1/4 MNPT x 1/4 MNPT |
| 9752         | Brass    | 3/8 MNPT x 3/8 MNPT |
| 900745       | Brass    | 1/2 MNPT x 1/2 MNPT |
| 900559       | Brass    | 3/4 MNPT x 3/4 MNPT |
| 900309       | NP Brass | 1/8 MNPT x 1/8 MNPT |
| 900084       | NP Brass | 1/4 MNPT x 1/4 MNPT |
| 900435       | NP Brass | 3/8 MNPT x 3/8 MNPT |
| 900436       | NP Brass | 1/2 MNPT x 1/2 MNPT |
| 900409       | 316SS    | 1/8 MNPT x 1/8 MNPT |
| 900160       | 316SS    | 1/4 MNPT x 1/4 MNPT |
| 900505       | 316SS    | 3/8 MNPT x 3/8 MNPT |
| 900506       | 316SS    | 1/2 MNPT x 1/2 MNPT |



| Coupler |          |                     |
|---------|----------|---------------------|
| Model   | Material | Thread Size         |
| 900453  | NP Brass | 1/8 FNPT x 1/8 FNPT |
| 9871    | Brass    | 1/4 FNPT x 1/4 FNPT |

MNPT = Male NPT  
FNPT = Female NPT

NP = Nickel Plated



| Reducer |          |                     |
|---------|----------|---------------------|
| Model   | Material | Thread Size         |
| 900405  | Brass    | 1/4 MNPT x 1/8 FNPT |
| 900105  | Brass    | 1/4 FNPT x 1/8 MNPT |
| 9553    | Brass    | 3/8 MNPT x 1/4 MNPT |
| 9897    | Brass    | 1/2 MNPT x 3/8 MNPT |
| 900736  | Brass    | 1/2 MNPT x 1/4 MNPT |
| 900622  | Brass    | 1/2 MNPT x 1/4 FNPT |
| 900985  | Brass    | 1/2 FNPT x 3/8 MNPT |



| Tee    |          |                                |
|--------|----------|--------------------------------|
| Model  | Material | Thread Size                    |
| 900005 | Brass    | 1/4 FNPT x 1/4 FNPT x 1/4 MNPT |
| 9851   | Brass    | 1/4 MNPT x 1/4 MNPT x 1/4 MNPT |
| 9971   | Brass    | 3/8 FNPT x 1/4 FNPT x 3/8 MNPT |
| 9896   | Brass    | 3/8 FNPT x 3/8 FNPT x 3/8 FNPT |
| 900621 | Brass    | 1/2 FNPT x 1/2 FNPT x 1/2 FNPT |
| 900734 | Brass    | 1/2 FNPT x 1/4 FNPT x 1/2 FNPT |



| Elbow  |          |                         |
|--------|----------|-------------------------|
| Model  | Material | Thread Size             |
| 7674   | Brass    | 1/8 MNPT x 1/8 FNPT 45° |
| 9555   | Brass    | 1/4 MNPT x 1/4 FNPT 90° |
| 9895   | Brass    | 3/8 MNPT x 3/8 FNPT 90° |
| 900073 | Brass    | 1/4 MNPT x 3/8 Tube 90° |



| Cross  |          |                     |
|--------|----------|---------------------|
| Model  | Material | Thread Size         |
| 900735 | Brass    | 1/2 FNPT x 1/2 FNPT |



| Bulkhead Fitting |          |                     |
|------------------|----------|---------------------|
| Model            | Material | Thread Size         |
| 900069           | Brass    | 3/4 MNPT x 1/4 FNPT |