



# METAL MUFFLERS, BREATHERS

## **METAL MUFFLERS, BREATHERS**

Metal Mufflers, Breathers and silencers are used for both muffling sound outward or filtering air or fluid inward . We offer brass, aluminum and stainless steel options as well as many different sizes. We have the perfect part for any application, with our PPS Series offering a bronze element that can handle up to 9000 psi, all the way to our AHF Series which can handle up to 300° F.



## AAFM SERIES

The AAFM Series is a strong Aluminum housing with a Polyvinyl foam element that makes this muffler completely non-corrosive. The Polyvinyl insert is easily replaced so you don't have to replace the entire Muffler. Also, these mufflers have male NPT threads of 1/8", 1/4", 3/8", 1/2" and 1". The maximum operating pressure is 130 psi, the temperature range is 41° F to 140° F and it is recommended for use with air.

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SKU	Definition
AAFM-2M	1/8 MNPT Aluminum Muffler Repairable
AAFM-4M	1/4 MNPT Aluminum Muffler Repairable
AAFM-6M	3/8 MNPT Aluminum Muffler Repairable
AAFM-8M	1/2 MNPT Aluminum Muffler Repairable
AAFM-12M	3/4 MNPT Aluminum Muffler Repairable
AAFM-16M	1 inch MNPT Aluminum Muffler Repairable



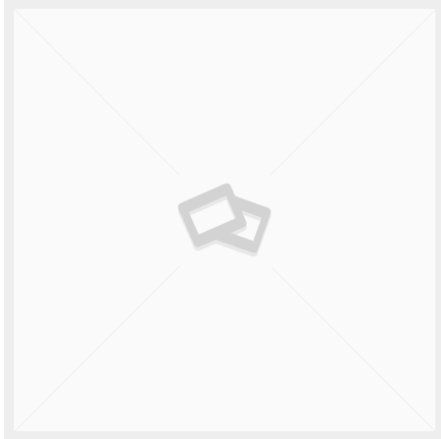
## ZSAM SERIES

High-flow Muffler made of Zinc-plated Steel, has a 50 mesh, self-cleaning Stainless Steel screen. It is made for heavy-duty use. Because of the design of small holes all around the body of the shell, it exhausts air quietly without restricting the airflow. The maximum pressure is 300 psi and the temperature range is 35° F to 160° F. The male NPT threads available are 1/8", 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2" and 2".

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SKU	Definition
ZSAM-2M	1/8 MNPT High Flow Steel Muffler
ZSAM-4M	1/4 MNPT High Flow Steel Muffler
ZSAM-6M	3/8 MNPT High Flow Steel Muffler
ZSAM-8M	1/2 MNPT High Flow Steel Muffler
ZSAM-12M	3/4 MNPT High Flow Steel Muffler
ZSAM-16M	1 inch MNPT High Flow Steel Muffler
ZSAM-20M	1-1/4 inch MNPT High Flow Steel Muffler
ZSAM-24M	1-1/2 inch MNPT High Flow Steel Muffler

SKU	Definition
ZSAM-32M	2 inch MNPT High Flow Steel Muffler



## ABV SERIES

This low-profile 303 Stainless Steel Breather Vent can be used for vacuum relief and pressure equalization. It has standard male NPT threads of 1/8", 1/4", 3/8", 1/2", 3/4" and 1". The filter is equipped with a 316 Stainless Steel 70-micron screen.

SKU	Description
ABV-10-SS	10-32 UNF 303 Stainless Steel Muffler
ABV-12-SS	3/4 MNPT 303 Stainless Steel Muffler
ABV-16-SS	1 inch MNPT Stainless Steel Muffler
ABV-2-SS	1/8 MNPT 303 Stainless Steel Muffler
ABV-4-SS	1/4 MNPT 303 Stainless Steel Muffler
ABV-6-SS	3/8 MNPT 303 Stainless Steel Muffler
ABV-8-SS	1/2 MNPT 303 Stainless Steel Muffler

## VTS-P SERIES



Nickel Plated Brass countersink plug vents will fit flush in any application: gearboxes, storage tanks, single-action cylinders. The Male NPT thread sizes are 1/8"-27, 1/4"-18, 3/8"-18, and 1/2"-14. A 40-micron sintered Bronze filter is standard but optional 10-micron and 90-micron are available. Maximum operating pressure is 150 psi and the operating temperature is 35° F to 300° F.

SKU	Description
VTS-P-18	1/8-27 Nickel-Plated Plug Vent
VTS-P-14	1/4-18 Nickel-Plated Plug Vent
VTS-P-38	3/8 MNPT Nickel-Plated Plug Vent
VTS-P-12	1/2 MNPT Nickel-Plated Plug Vent



## VTS SERIES

This Muffler is made with a 303 **Stainless Steel body** which makes it resistant to atmospheric corrosion, sterilization solutions, and a wide variety of inorganic chemicals. It has a standard male pipe thread of 10-32" UNF threads and 1/8", 1/4", 3/8", 1/2", 3/4" and 1" NPT threads. The maximum operating pressure is 300 psi and the operating temperature range is 35° F to 392° F. It is equipped with a 316 Stainless Steel 70-micron filter screen. The Muffler can be used for gasoline, several chemical solutions, oil and air exhaust as well as intake filtering.

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SKU	DESCRIPTION
VTS-10-70	10-32 UNF 70 Micron Stainless Steel Muffler
VTS-2-70	1/8 MNPT 70 Micron Stainless Steel Muffler



## ACBV SERIES

The ACBV Series is a nickel-plated steel muffler that can be used for gearboxes and valve ports. 10-32 UNF threads and 1/16", 1/8", 1/4", 3/8", 1/2", 3/4" and 1" male NPT threads with a standard 40 micron sintered Bronze filter. 10 or 90 microns optional. Also available with female 1/8", 1/4", 3/8" and 1/2" NPT threads. The operating pressure is 300 psi and the working temperature range is 35° F to 300° F.

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SKU	DESCRIPTION
ACBV-2F-40	1/8 FNPT Nickel-Plated Steel Muffler 40 Micron



## ATTS SERIES

The ATTS Series is a Bronze muffer with a Brass body. This muffer is for cylinders, gear-boxes, or storage vessels. Available in 10-32 Male UNF threads and 1/16 inch, 1/8 inch, 1/4 inch, 3/8 inch, 1/2 inch, 3/4 inch, and 1 inch MNPT threads. The filter element is sintered Bronze with a standard of 40 microns, but 10 and 90 micron elements are available. The maximum operating pressure for the sintered Bronze muffer is 300 psi and the working temperature is 35°F to 300°F.

This series is also available in a 303 Stainless Steel body and 316 Stainless Steel element with thread sizes from 1/8 inch to 1 inch MNPT. The maximum operating pressure for the Stainless Steel muffer is 300 psi and the working temperature is 35°F to 392°F.

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SKU	Description
ATTS-2F	1/8 inch FNPT 40 Micron Bronze Filter Brass Muffler
ATTS-2M	1/8 inch MNPT 40 Micron Bronze Filter Brass Muffler
ATTS-2M-SS	1/8 inch MNPT 70 Micron Stainless Steel Filter Muffler
ATTS-4M	1/4 inch MNPT 40 Micron Bronze Filter Brass Muffler
ATTS-4M-SS	1/4 inch MNPT 70 Micron Stainless Steel Filter Muffler
ATTS-6M	3/8 inch MNPT 40 Micron Bronze Filter Brass Muffler
ATTS-6M-SS	3/8 inch MNPT 70 Micron Stainless Steel Filter Muffler
ATTS-8M	1/2 inch MNPT 40 Micron Bronze Filter Brass Muffler
ATTS-8M-SS	1/2 inch MNPT 70 Micron Stainless Steel Filter Muffler
ATTS-10	10-32 Male UNF 40 Micron Bronze Filter Brass Muffler
ATTS-10-90	10-32 Male UNF 90 Micron Bronze Filter Brass Muffler
ATTS-12M	3/4 inch MNPT 40 Micron Bronze Filter Brass Muffler
ATTS-12M-SS	3/4 inch MNPT 70 Micron Stainless Steel Filter Muffler
ATTS-16M	1 inch MNPT 40 Micron Bronze Filter Brass Muffler
ATTS-16M-SS	1 inch MNPT 70 Micron Stainless Steel Filter Muffler



## ATSM SERIES

The ATSM Series is an adjustable speed Muffler made of Brass with a standard 40-micron sintered Bronze element. The maximum operating pressure is 300 psi for MNPT thread sizes of 1/8 inch, 1/4 inch, 3/8 inch, 1/2 inch, 3/4 inch, and 1 inch, except the 10-32 Male UNF threads. The maximum operating pressure for the 10-32 Male UNF threads is 150 psi. The working temperature range for all sizes is 35° F to 300° F.

This series is also available in 303 Stainless Steel with 316 Stainless Steel, and a 70-micron screen. The Stainless Steel Muffler is available with MNPT threads of 1/8 inch, 1/4 inch, 3/8 inch, 1/2 inch, 3/4 inch, and 1 inch. The maximum pressure is 300 psi and the working temperature range is 35° F to 392° F.

SKU	Description
ATSM-2M	1/8 inch MNPT 40 Micron Brass Adjustable Muffler
ATSM-2M-SS	1/8 inch MNPT 70 Micron Stainless Steel Adjustable Muffler
ATSM-4M	1/4 inch MNPT 40 Micron Brass Adjustable Muffler
ATSM-4M-SS	1/4 inch MNPT 70 Micron Stainless Steel Adjustable Muffler
ATSM-6M	3/8 inch MNPT 40 Micron Brass Adjustable Muffler
ATSM-6M-SS	3/8 inch MNPT 70 Micron Stainless Steel Adjustable Muffler
ATSM-8M	1/2 inch MNPT 40 Micron Brass Adjustable Muffler
ATSM-8M-SS	1/2 MNPT 70 Micron Stainless Steel Adjustable Muffler
ATSM-10	10-32 UNF 40 Micron Brass Adjustable Muffler
ATSM-12M	3/4 inch MNPT 40 Micron Brass Adjustable Muffler
ATSM-12M-SS	3/4 MNPT 70 Micron Stainless Steel Adjustable Muffler
ATSM-16M	1 inch MNPT 40 Micron Brass Adjustable Muffler
ATSM-16M-SS	1 Inch MNPT 70 Micron Stainless Steel Adjustable Muffler

## ATBV SERIES



The ATBV Series is a low-profile breather vent used for vacuum relief or pressure equalization for gearboxes or storage vessels. It is available in Brass, Zinc-Plated Steel, and Nickel-Plated Steel. The maximum operating pressure is 150 psi and the temperature range is 35° F to 300° F for all materials. The filter element is sintered Bronze with a standard of 40 microns with 10 and 90 microns available. Male thread sizes range from 10-32 inch UNF to 1-1/2 inch NPT.

\*\*\*SAE Breather Vents are also available in Brass with a 70-micron sintered Bronze screen. The male thread sizes are 7/16"-20, 9/16"-18, 3/4"-16, 7/8"-14 and 1-1/16"-12. The psi and working temperatures are the same as above.

SKU	Description
ATBV-2M	1/8 inch MNPT Brass Muffler
ATBV-2M-N	1/8 inch MNPT Nickel Plated Brass Muffler Vent
ATBV-2M-SZ	1/8 inch MNPT Zinc Plated Steel Muffler Vent
ATBV-4M	1/4 inch MNPT Brass Muffler
ATBV-6M	3/8 inch MNPT Brass Muffler
ATBV-8M	1/2 inch MNPT Brass Muffler
ATBV-10	10-32 UNF Muffler
ATBV-12M	3/4 inch MNPT Brass Muffler
ATBV-16M	1 inch MNPT Brass Muffler
ATBV-32M-NP/S	2 inch MNPT Nickel Plated Steel Muffler Vent
ATBV-10SAE	Muffler Vent 10 SAE 7/8-14 40 Micron
ATBV-12SAE	1-1/16 -12 SAE Thread Brass Muffler
ATBV-2F	1/8 FNPT Nickel-Plated Steel Breather Vent
ATBV-4F	1/4 FNPT Nickel-Plated Steel Breather Vent
ATBV-4SAE	7/16-20 SAE Thread Brass Muffler
ATVB-6F	3/8 FNPT Nickel-Plated Steel Breather Vent
ATBV-6SAE	9/16-18 SAE Thread 40 Micron Brass Muffler
ATBV-6SAE90	9/16-18 SAE Thread 90 Micron Brass Muffler
ATBV-8F	1/2 FNPT Nickel-Plated Steel Breather Vent
ATBV-8SAE	3/4-16 SAE Thread 40 Micron Brass Muffler