

14 NOV 2005



noise control

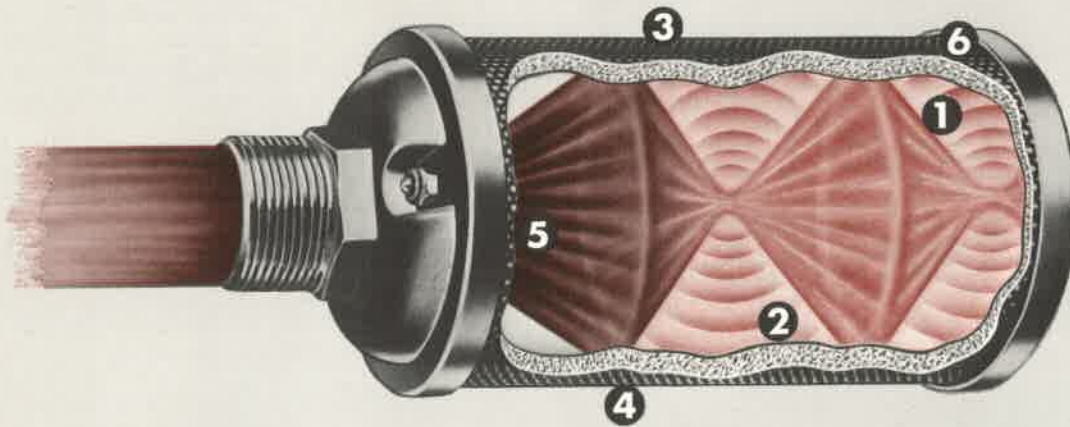
DIRECTORY

**ALLIED WITAN COMPANY
PROMOTES CLEAN QUIET PNEUMATICS**



ALWITCO

ADVANTAGES



- 1 Noise cancelled by interposing sound waves.
- 2 Multiple stage velocity deceleration.
- 3 Disseminator completely dissipates harmful exhaust blast.
- 4 Radical full-flow design.
- 5 Obstruction free expansion chamber.
- 6 Capacious peripheral exhaust surface diffuses air blast, lowers velocity and reduces noise.
- 7 Superbly quiets exponentially perceived noise (EPNdB)
- 8 Noise abated well within the established OSHA Performance Standards. Reference CFR 29 1910.95, 1910.98.

The Allied Witan Atomuffler Design for Noise Control —Stops Noise Before It Starts

Kill the air blast that causes it and you completely prevent the deafening roar of air exhaust noise — before it even starts. Furthermore, let the air stream literally destroy itself — by effectively dividing and turning it back upon itself. This, with no need for baffles, packing or screening, is the basic principle of the Allied Witan Atomuffler system of air exhaust noise control.

As it enters the muffler at high velocity, the air exhaust mass is effectively redirected and subdivided into separate, infinitely smaller air streams. Directed in a continuous stream at the wall of the obstruction-free expansion chamber, they rebound freely to collide head-on with opposing air streams of equal force at a point predetermined by the design of the muffler.

At the greatly reduced velocity thus effected, the air is then softly dispersed through the openings in the large area disseminator surface provided by the perforated

cylinder wall of the muffler...free of noise, with negligible impairment of mechanical efficiency, and with complete protection to personnel from injurious air blast.

With the proved ability to eliminate deafening, nerve-racking air exhaust noise, the Allied Witan Atomuffler Design for Noise Control has for many years been widely utilized in thousands of plants for providing better, more pleasant working conditions, for safety, and for protecting and insuring the physical welfare of employees.

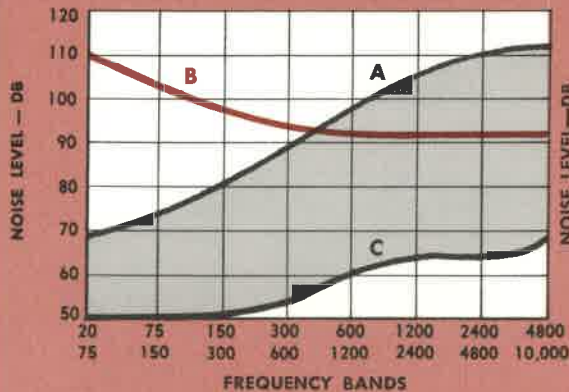
With sound intensity attenuations as high as 10^4 , documented by qualified sound engineers, Allied Witan Air Exhaust Mufflers will more than meet the requirements for satisfactory reduction of noise levels — whether it be for already established shop practice, or pending regulatory legislation.

PERFORMANCE DATA

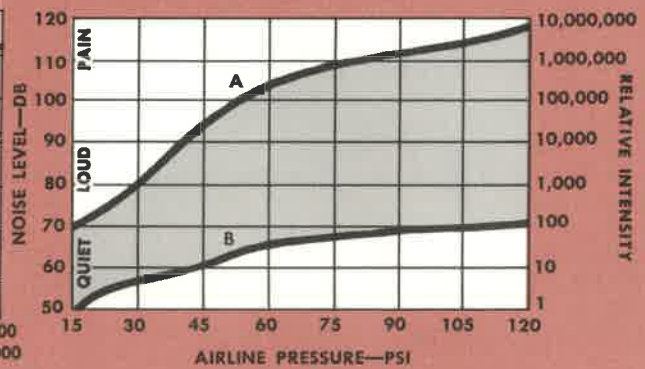
Atomuffler has set the industry standards for years in sound control applications the world over and are now setting the pace in space. Witness the fact that Atomuffler is specified on missile projects where no compromise can be made on efficiency, dependability or performance. Not only does the Atomuffler possess superior sound silencing properties but its value as an air diffuser is unsurpassed in the muffler field. Air diffusion positively prevents troublesome air flow and dangerous after-blasts.

The Atomuffler's unique patented system is a new approach to sound control and is uncomplicated in use and installation and widely recommended by leading casualty insurance companies and safety engineers throughout the world.

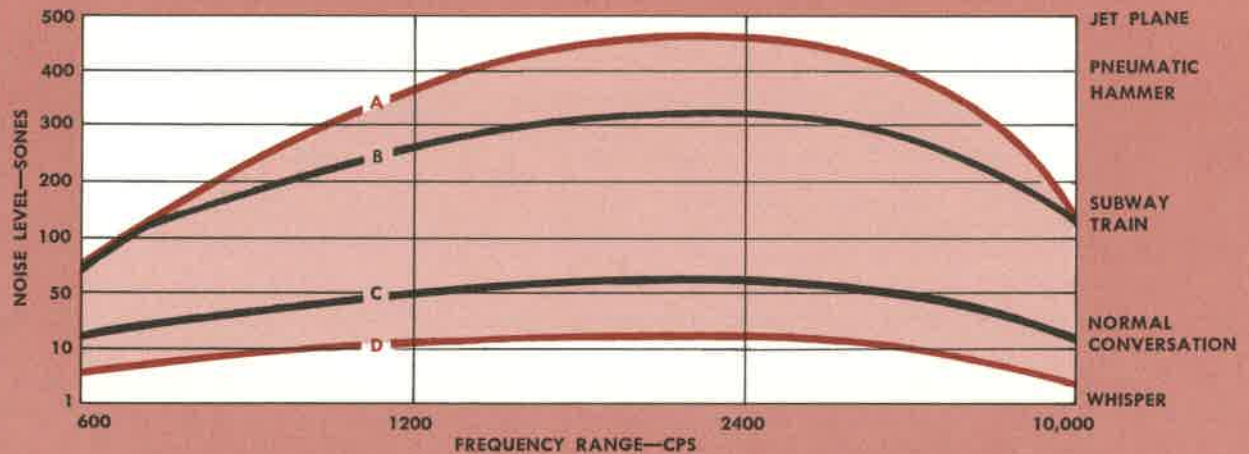
You can be confident of getting the ultimate in noise reduction, advanced muffler design, exceptional service and economy, when you specify . . . Atomuffler.



Frequency Band Noise and Attenuated Levels (Decibels)—Curve A—noise level when exhaust air is discharged directly into atmosphere without a muffler (note—noise level in the higher frequency bands exceeds accepted danger level, Curve B).
 Curve B—Injurious noise level. Prolonged exposure to noise exceeding this level can result in progressive hearing loss.
 Curve C—Attenuated level when ATOMUFFLER is attached to the exhaust opening of air equipment.
 Shaded area illustrates the effective elimination of air exhaust noise with an Atomuffler used on air-operated equipment.



Noise Level and Attenuated Level (At Various Air Line Pressures)—Curve A—noise level when exhaust air is discharged directly into atmosphere without a muffler.
 Curve B—attenuated level when ATOMUFFLER is attached to the exhaust opening of the equipment.
 Shaded area illustrates the effective elimination of air exhaust noise with an ATOMUFFLER used on air-operated equipment.

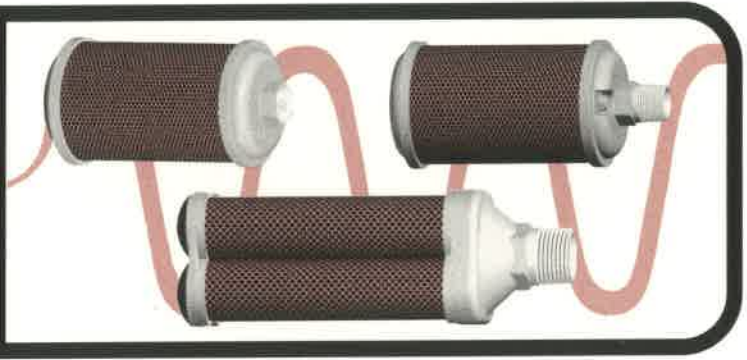


FACTS ABOUT NOISE

Curve A—magnitude of loudness when exhaust air is discharged directly into atmosphere without a muffler.
 Curve B—Exposure to noise above this level is difficult to endure, hearing loss can result from continuous exposure, protection required.
 Curve C—Exposure to noise above this level causes fatigue, poor efficiency and costly errors, protection recommended.
 Curve D—attenuated level when ATOMUFFLER is attached to the exhaust opening of the equipment.
 Shaded area illustrates the effective elimination of air exhaust noise with an ATOMUFFLER used on air-operated equipment.

This graph was prepared to show exhaust noise loudness in sones ranging from loud to soft as distinguished by the human ear. In defining loudness sones differ from decibels in that a decibel is a numerical value indicating intensity of noise, whereas sones indicate the actual loudness as heard by the human ear.

Air Exhaust Muffler



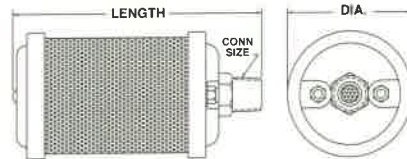
- 85% Noise Reduction
- 94% Flow Factor

Thoroughly proven by users on thousands of installations, the World Class Atomuffler superbly quiets Exponentially Perceived Noise (EPNdB). The Atomuffler satisfies the need to muffle explosive air exhaust noise discharged from valve exhaust ports to a comfortable quiet zone with optimized CV Flow Factor, thus substantially improving equipment performance.

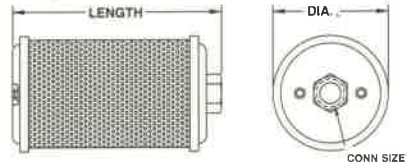
Constructed with a unique expansion chamber, completely free of obstruction, exhaust air flows softly to atmosphere free of noise, oil fog, and contaminates, providing a clean comfortable productive work environment.

Constructed entirely of corrosion resistant material for long life and maintenance-free performance, units are provided with a hex head, making it easy to attach to exhaust ports. They should be mounted in a protective position, free from excess vibration.

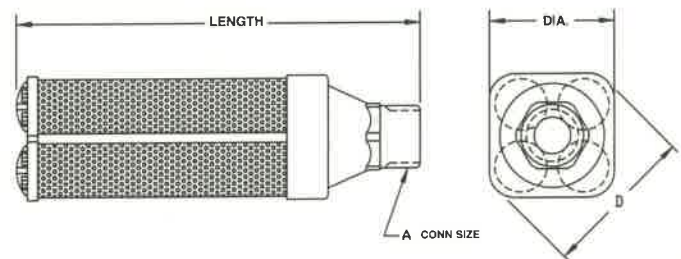
Single Chamber-Male



Single Chamber-Female



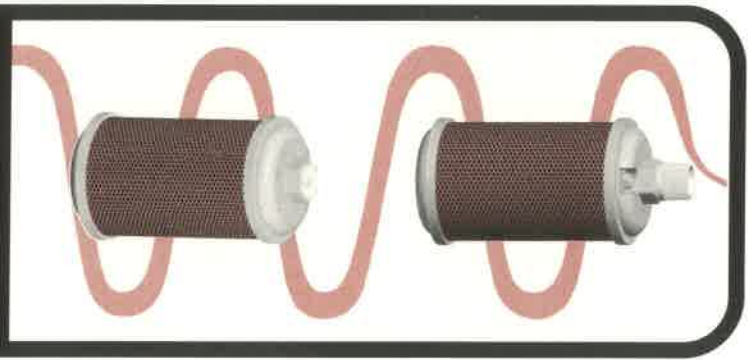
Multi-Chamber-Male



CONN SIZE	CONNECTION THREAD TYPES								DIMENSIONS			ITEM WGT	FLOW SCFM @ 90 PSI	REPLCMT. ELEMNT
	MALE/NPT		FEMALE/NPT		MALE/BSP		FEMALE/BSP		DIA.	LENGTH				
	MOD	EDP#	MOD	EDP#	MOD	EDP#	MOD	EDP#		MALE	FEMALE			
1/8"	M01	0111001	N01	0211001	B01	0121001	B01	0221001	1-7/8	3-1/8	2-13/16	.20	44	1101
1/4"	M02	0111002	N02	0211002	B02	0121002	B02	0221002	1-7/8	4-3/8	4	.25	84	1102
3/8"	M00	0111000	N00	0211000	B00	0121000	B00	0221000	2-5/8	5-1/8	4-9/16	.50	192	1100
1/2"	M05	0111005	N05	0211005	B05	0121005	B05	0221005	3-5/32	6	5-1/2	.75	256	1105
3/4"	M07	0111007	N07	0211007	B07	0121007	B07	0221007	3-3/8	7-3/16	6-11/16	1.00	544	1107
1"	M10	0111010	N10	0211010	B10	0121010	B10	0221010	3-7/8	8-3/4	8	1.30	800	1110
1-1/4"	M12	0111012	N12	0211012	B12	0121012	B12	0221012	3-7/8	8-3/4	8	1.35	1360	1112
1-1/2"	M15	0111015	N15	0211015	B15	0121015	B15	0221015	5-1/4	13-9/16	12-1/2	3.20	2080	1115
2"	M20	0111020	N20	0211020	B20	0121020	B20	0221020	5-1/4	18-7/8	17-3/4	4.10	3200	1120
3"	M30	0111030	—	—	B30	0121030	—	—	7	22-7/8	—	12.70	7200	1130
4"	M40	0111040	—	—	B40	0121040	—	—	8	23-1/5	—	15.40	14000	1140
6"	M60	0111060	—	—	B60	0121060	—	—	11	30-7/8	—	32.10	36000	1160

ALL DIMENSIONS IN INCHES

Soft Flo Muffler



- 85% Noise Reduction
- 94% Flow Factor

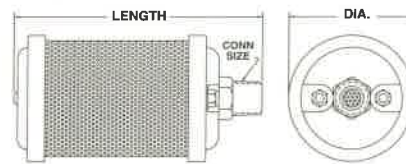
Thoroughly proven by users on thousands of installations, the World Class Atomuffler superbly quiets Exponentially Perceived Noise (EPNdB). The Atomuffler satisfies the need to muffle explosive air exhaust noise discharged from valve exhaust ports to a comfortable quiet zone with optimized CV Flow Factor, thus substantially improving equipment performance.

Constructed with a unique expansion chamber, completely free of obstruction, exhaust air flows softly to atmosphere free of noise, oil fog, and contaminants, providing a clean comfortable productive work environment.

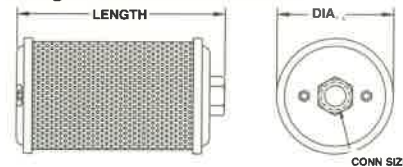
Constructed entirely of corrosion resistant material for long life and maintenance-free performance, units are provided with a hex head, making it easy to attach to exhaust ports. They should be mounted in a protective position, free from excess vibration.

Featuring special internally added acoustic treatment, achieves a higher degree of noise suppression.

Single Chamber-Male



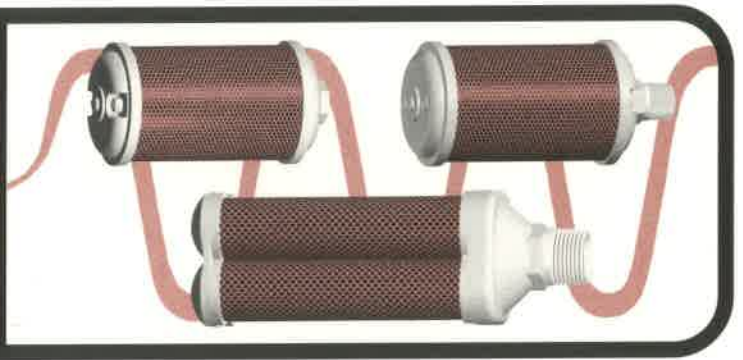
Single Chamber-Female



CONN SIZE	CONNECTION THREAD TYPES								DIMENSIONS			ITEM WGT	FLOW SCFM @ 90 PSI	REPLCMT. ELEMNT
	MALE/NPT		FEMALE/NPT		MALE/BSP		FEMALE/BSP		DIA.	LENGTH				
	PIPE	MOD	EDP#	MOD	EDP#	MOD	EDP#	MOD		EDP#	MALE			
1/8"	K01	0330001	K01	0430001	—	—	—	—	1-7/8	3-1/8	2-13/16	.20	44	1101
1/4"	K02	0330002	K02	0430002	—	—	—	—	1-7/8	4-3/8	4	.25	84	1102
3/8"	K00	0330000	K00	0430000	—	—	—	—	2-5/8	5-1/8	4-9/16	.50	192	1100
1/2"	K05	0330005	K05	0430005	—	—	—	—	3-5/32	6	5-1/2	.75	256	1105
3/4"	K07	0330007	K07	0430007	—	—	—	—	3-3/8	7-3/16	6-11/16	1.00	544	1107
1"	K10	0330010	K10	0430010	—	—	—	—	3-7/8	8-3/4	8	1.30	800	1110
1-1/4"	K12	0330012	K12	0430012	—	—	—	—	3-7/8	8-3/4	8	1.35	1360	1112
1-1/2"	K15	0330015	K15	0430015	—	—	—	—	5-1/4	13-9/16	12-1/2	3.20	2080	1115
2"	K20	0330020	K20	0430020	—	—	—	—	5-1/4	18-7/8	17-3/4	4.10	3200	1120

ALL DIMENSIONS IN INCHES

Relief Valve Muffler



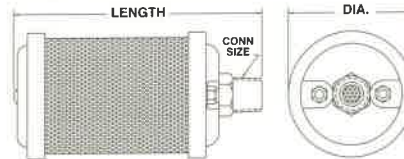
Atomuffler Relief Valve Muffler encompassed all of the salient features embodied in the industry standard atomuffler — plus an added relief valve feature. Relief Valve mufflers are most appropriate for applications where uninterrupted continuous outflow is imperative.

The superior design and construction provides a low-cost, effective method of eliminating annoying, objectionable noise emanating from air operated devices.

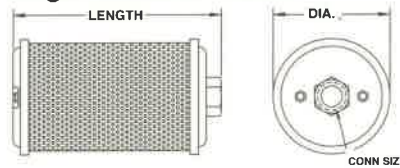
The unique relief valve feature is essentially used to effectuate pressure equalization — with optimum performance. Any outflow deviation is detected by a sensitive valve that responds to the pressure differential and compensates for outflow demands.

Constructed entirely of corrosion resistant material, relief valve mufflers are supplied with disposable disseminator elements. They are available with either male or female pipe thread connections (either NPT or BSP) for quick, easy connection to the exhaust port. The unit should be mounted in a protective position, free from excess vibration. Use a wrench on the hex head to secure the unit to the exhaust port.

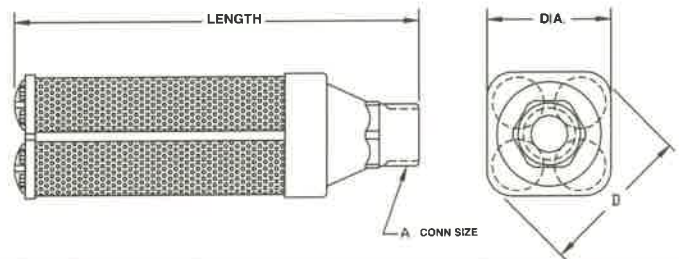
Single Chamber-Male



Single Chamber-Female



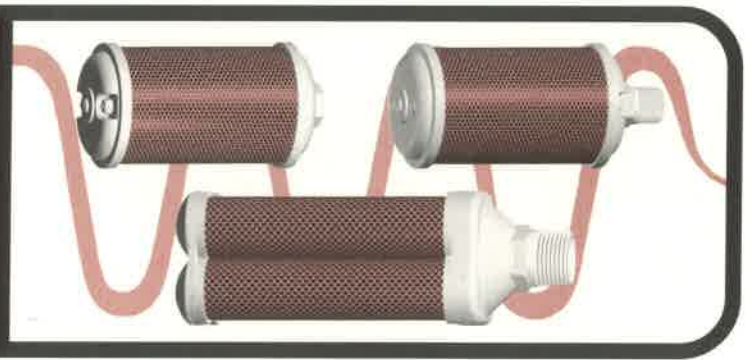
Multi-Chamber-Male



CONN SIZE	CONNECTION THREAD TYPES								DIMENSIONS			ITEM WGT	FLOW SCFM @ 90 PSI	REPLCMT. ELEMNT
	MALE/NPT		FEMALE/NPT		MALE/BSP		FEMALE/BSP		DIA.	LENGTH				
	MOD	EDP#	MOD	EDP#	MOD	EDP#	MOD	EDP#		MALE	FEMALE			
1/8"	X01	0312001	R01	0412001	X01	0322001	—	—	1-7/8	3-1/8	2-13/16	.20	44	1101
1/4"	X02	0312002	R02	0412002	X02	0322002	—	—	1-7/8	4-3/8	4	.25	84	1102
3/8"	X00	0312000	R00	0412000	X00	0322000	—	—	2-5/8	5-1/8	4-9/16	.50	192	1100
1/2"	X05	0312005	R05	0412005	X05	0322005	—	—	3-5/32	6	5-1/2	.90	256	1105
3/4"	X07	0312007	R07	0412007	X07	0322007	—	—	3-3/8	7-3/16	6-11/16	1.20	544	1107
1"	X10	0312010	R10	0412010	X10	0322010	—	—	3-7/8	8-3/4	8	1.60	800	1110
1-1/4"	X12	0312012	R12	0412012	X12	0322012	—	—	3-7/8	8-3/4	8	1.65	1360	1112
1-1/2"	X15	0312015	R15	0412015	X15	0322015	—	—	5-1/4	13-9/16	12-1/2	3.60	2080	1115
2"	X20	0312020	R20	0412020	X20	0322020	—	—	5-1/4	18-7/8	17-3/4	4.50	3200	1120
3"	X30	0312030	—	—	X30	0322030	—	—	6-7/8	22-7/8	—	15.75	7200	1130
4"	X40	0312040	—	—	X40	0322040	—	—	7-7/8	23-1/2	—	16.00	14000	1140
6"	X60	0312060	—	—	X60	0322060	—	—	10-15/16	30-7/8	—	32.70	36000	1160

ALL DIMENSIONS IN INCHES

Air Dryer Muffler



Atomuffler state-of-the-art Air Dryer Mufflers are designed specifically to deal with the demanding service problems associated with desiccant regenerative type air dryer.

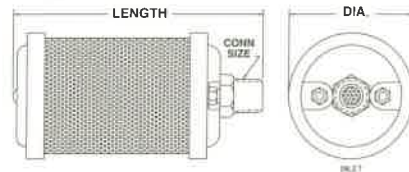
During the purge cycle, expelled air is laden with moisture and often heavily contaminated with desiccant dust. Desiccant particulate dust mixed with moisture presents a difficult challenge to effectively abate air exhaust noise and still provide adequate outflow.

This air dryer muffler is a combination of two units encapsulated into a single dual-stage housing. The primary stage is a dirt trap, that deals with the problem of particulate air contamination. Eroded desiccant fragments are scrubbed from the air stream and retained in the labyrinthine structure, allowing clean air to permeate freely to the secondary stage. The secondary stage serves as an acoustical trap, dealing ultimately with the task of canceling the objectionable noise.

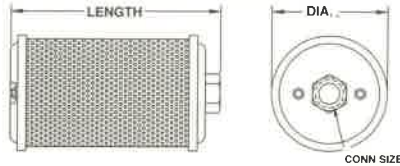
Provided with a pressure sensitive valve that is triggered open if outflow is obstructed by an accumulation of particulate, thus diverting the outflow pressure directly into the atmosphere.

Constructed entirely of corrosion resistant material, air dryer mufflers are supplied with disposable disseminator elements. They are available with either male or female pipe thread connections (either NPT or BSP) for quick, easy connection to the exhaust port. On new installations or whenever air dryers are re-charged with new desiccant material, it is highly recommended that the system be initially purged of free desiccant fragments before installing the muffler. The unit should be mounted in a protective position, free from excess vibration. Use a wrench on the hex head to secure the unit the exhaust port.

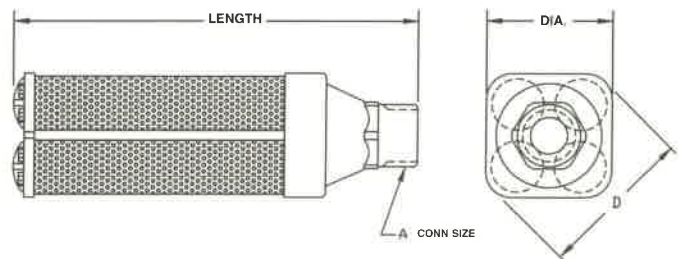
Single Chamber-Male



Single Chamber-Female



Multi-Chamber-Male



CONN SIZE	CONNECTION THREAD TYPES								DIMENSIONS			ITEM WGT	FLOW SCFM @ 90 PSI	REPLCMT. ELEMNT
	MALE/NPT		FEMALE/NPT		MALE/BSP		HI-PRS/NPT		DIA.	LENGTH				
	MOD	EDP#	MOD	EDP#	MOD	EDP#	MOD	EDP#		MALE	FEMALE			
1/8"	X01	0375001	R01	0475001	X01	0325001	P01	0346001	1-7/8	3-1/8	2-7/8	.25	42	4101
1/4"	X02	0375002	R02	0475002	X02	0325002	P02	0346002	1-7/8	4-3/8	4	.30	80	4102
3/8"	X00	0375000	R00	0475000	X00	0325000	P00	0346000	2-5/8	5-1/8	4-5/8	.55	182	4100
1/2"	X05	0375005	R05	0475005	X05	0325005	P05	0346005	3-5/32	6	5-1/2	1.10	243	4105
3/4"	X07	0375007	R07	0475007	X07	0325007	P07	0346007	3-3/8	7-3/16	6-3/4	1.42	517	4107
1"	X10	0375010	R10	0475010	X10	0325010	P10	0346010	3-7/8	8-3/4	8	2.10	760	4110
1-1/4"	X12	0375012	R12	0475012	X12	0325012	P12	0346012	3-7/8	8-3/4	8	2.20	1292	4112
1-1/2"	X15	0375015	R15	0475015	X15	0325015	P15	0346015	5-1/4	13-9/16	12-1/2	5.00	1664	4115
2"	X20	0375020	R20	0475020	X20	0325020	P20	0346020	5-1/4	18-7/8	17-13/16	7.00	3040	4120
3"	X30	0375030	—	—	X30	0325030	P30	0346030	6-7/8	22-7/8	—	16.35	6840	4130
4"	X40	0375040	—	—	X40	0325040	P40	0346040	7-7/8	23-1/2	—	19.65	13300	4140
6"	X60	0375060	—	—	X60	0325060	P60	0346060	10-15/16	30-7/8	—	42.00	34200	4160

ALL DIMENSIONS IN INCHES

Pulsation Snubber



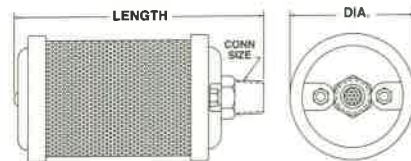
Atomuffler Damper Pulsation Snubber encompasses all of the salient features embodied in the industry standard — atomuffler — plus an added variable reactive damper used to strip noise from emanating raw exhaust air — providing an unobstructed free-flow air passage.

The unique design utilizes a proven reactive principle of noise suppression. The explosive force of exhaust air impacting against the damper thrusts the damper into an oscillating motion, thus converting dynamic acoustic energy into kinetic energy. The dampers' responsive pulsating motion drains off kinetic energy, hence dissipating acoustical energy.

Featuring cost effective noise reduction, this model easily handles dirty contaminated air. Dirt and moisture laden air does not impair the operating performance of this unit.

Constructed entirely of corrosion resistant material, engineered for long service life. Supplied with a replaceable disseminator element. Available with male thread connections (NPT or BSP) for quick, easy connection to the exhaust port. The unit should be mounted in a protective position, free from excess vibration. Use a wrench on the hex head to secure the unit to the exhaust port.

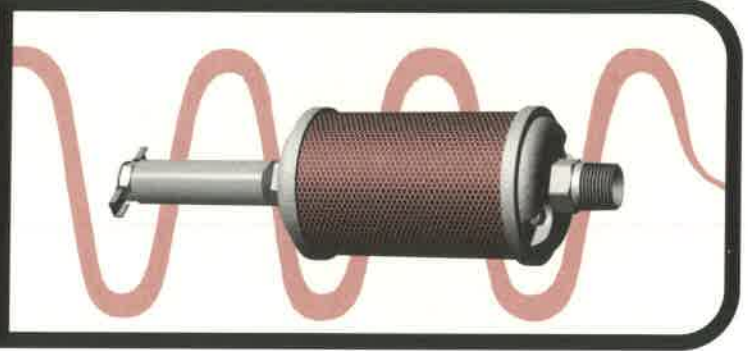
Single Chamber-Male



CONN SIZE	CONNECTION THREAD TYPES								DIMENSIONS			ITEM WGT	FLOW SCFM @ 90 PSI	REPLCMT. ELEMNT
	MALE/NPT		FEMALE/NPT		MALE/BSP		FEMALE/BSP		DIA.	LENGTH				
	MOD	EDP#	MOD	EDP#	MOD	EDP#	MOD	EDP#		MALE	FEMALE			
1/8"	D01	0374001	—	—	D01	0324001	—	—	1-7/8	3-1/8	—	.20	44	1101
1/4"	D02	0374002	—	—	D02	0324002	—	—	1-7/8	4-3/8	—	.25	84	1102
3/8"	D00	0374000	—	—	D00	0324000	—	—	2-5/8	5-1/8	—	.50	192	1100
1/2"	D05	0374005	—	—	D05	0324005	—	—	3-5/32	6	—	.90	256	1105
3/4"	D07	0374007	—	—	D07	0324007	—	—	3-3/8	7-3/16	—	1.20	544	1107
1"	D10	0374010	—	—	D10	0324010	—	—	3-7/8	8-3/4	—	1.60	800	1110
1-1/4"	D12	0374012	—	—	D12	0324012	—	—	3-7/8	8-3/4	—	1.65	1360	1112
1-1/2"	D15	0374015	—	—	D15	0324015	—	—	5-1/4	13-9/16	—	3.60	2080	1115
2"	D20	0374020	—	—	D20	0324020	—	—	5-1/4	18-7/8	—	4.50	3200	1120

ALL DIMENSIONS IN INCHES

Defogger/ Reclassifier

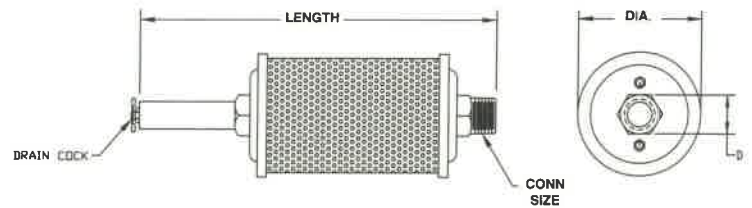


Atomuffler Defogger/reclassifier Mufflers are designed to meet the specific needs of reducing pneumatic noise emanating from air-operated devices and to effectively remove entrained oil from exhausted air defogger/reclassifier mufflers are typically used when it is undesirable to blow foggy exhaust air into atmosphere.

The defogger/reclassifier muffler utilizes a tried and proven unique coalescing concept of intercepting, extracting and condensing oil to liquid droplets that gravitate into a sump to be drained off periodically. This is the state-of-the-art preferred choice to silence annoying objectionable noise and to deal with particulate contamination associated with pneumatic systems — this unit provides cost saving benefits with optimum performance.

Constructed entirely of corrosion resistant material, defogger/reclassifier mufflers are supplied with disposable disseminator elements. They are available with male pipe thread connections (NPT) for quick, easy connection to the exhaust port. The unit should be mounted vertically in a protective position, free from excess vibration. Use a wrench on the hex head to secure the unit to the exhaust port.

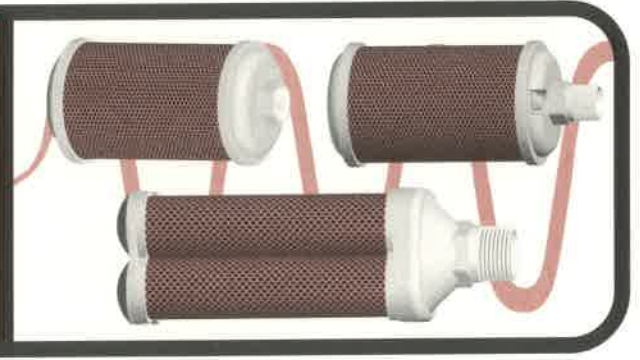
Single Chamber-Male



CONN SIZE	CONNECTION THREAD TYPES								DIMENSIONS			ITEM WGT	FLOW SCFM @ 90 PSI	REPLCMT. ELEMNT
	MALE/NPT		FEMALE/NPT		MALE/BSP		FEMALE/BSP		DIA.	LENGTH				
	MOD	EDP#	MOD	EDP#	MOD	EDP#	MOD	EDP#		MALE	FEMALE			
1/8"	L01	0313001	—	—	—	—	—	—	1-7/8	6-3/8	—	.26	44	1101
1/4"	L02	0313002	—	—	—	—	—	—	1-7/8	7-5/8	—	.30	84	1102
3/8"	L00	0313000	—	—	—	—	—	—	2-5/8	8-3/4	—	.60	192	1100
1/2"	L05	0313005	—	—	—	—	—	—	3-5/32	10-5/8	—	1.00	256	1105
3/4"	L07	0313007	—	—	—	—	—	—	3-3/8	14-1/4	—	1.50	544	1107
1"	L10	0313010	—	—	—	—	—	—	3-7/8	15-1/2	—	2.00	800	1110
1-1/4"	L12	0313012	—	—	—	—	—	—	3-7/8	15-9/16	—	2.00	1360	1112
1-1/2"	L15	0313015	—	—	—	—	—	—	5-1/4	20-5/16	—	5.10	2080	1115
2"	L20	0313020	—	—	—	—	—	—	5-1/4	25-1/32	—	6.50	3200	1120

ALL DIMENSIONS IN INCHES

Vacuum Pump Muffler

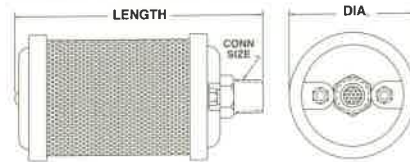


Vacuum Pump Mufflers are designed to muffle the annoying and distracting noise of vacuum pump exhausts. An efficient and inexpensive addition to your pump, they are recommended for expirators, suction apparatus, vacuum frames, checks, simulation chambers, transfer and control devices — where quiet and efficient pump performance is essential.

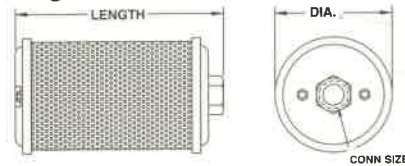
Attenuation of the irritating pulsations is achieved by an obstruction-free expansion chamber, from which the exhaust air, at lowered velocity is softly dispersed through the openings in the large area cylinder wall disseminator of the muffler ... free of noise and without causing mechanical impedance.

Mufflers are ordinarily supplied with standard pipe threads for direct connection to the exhaust port of the pump. Unit should be mounted in a protective position, free from excessive vibration. Use wrench on hex head to tighten unit to the device. Constructed entirely with corrosion-resistant materials.

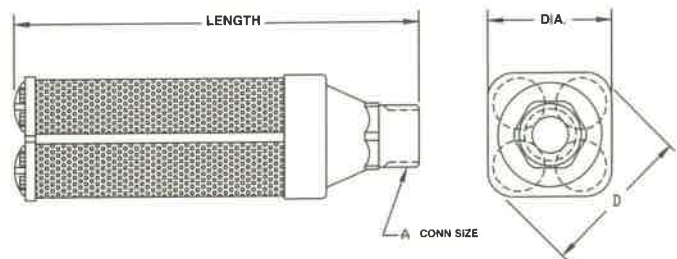
Single Chamber-Male



Single Chamber-Female



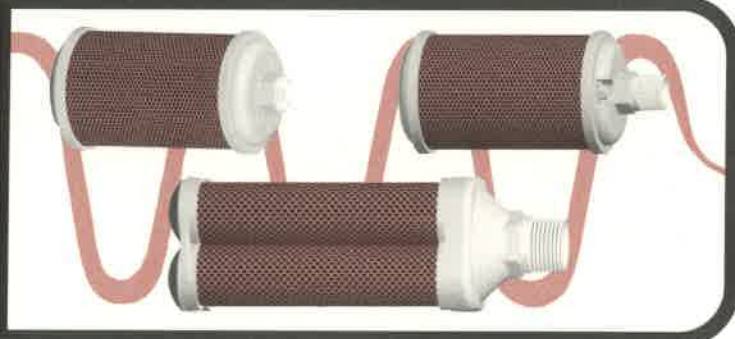
Multi-Chamber-Male



CONN SIZE	CONNECTION THREAD TYPES								DIMENSIONS			ITEM WGT	FLOW SCFM @ 90 PSI	REPLCMT. ELEMNT
	MALE/NPT		FEMALE/NPT		MALE/BSP		FEMALE/BSP		DIA.	LENGTH				
	MOD	EDP#	MOD	EDP#	MOD	EDP#	MOD	EDP#		MALE	FEMALE			
1/8"	V01	0112001	R01	0212001	V01	0122001	—	—	1-7/8	3-1/8	2-13/16	.20	—	1101
1/4"	V02	0112002	R02	0212002	V02	0122002	—	—	1-7/8	4-3/8	4	.25	—	1102
3/8"	V00	0112000	R00	0212000	V00	0122000	—	—	2-5/8	5-1/8	4-9/16	.50	—	1100
1/2"	V05	0112005	R05	0212005	V05	0122005	—	—	3-5/32	6	5-1/2	.75	—	1105
3/4"	V07	0112007	R07	0212007	V07	0122007	—	—	3-3/8	7-3/16	6-11/16	1.00	—	1107
1"	V10	0112010	R10	0212010	V10	0122010	—	—	3-7/8	8-3/4	8	1.35	—	1110
1-1/4"	V12	0112012	R12	0212012	V12	0122012	—	—	3-7/8	8-3/4	8	1.38	—	1112
1-1/2"	V15	0112015	R15	0212015	V15	0122015	—	—	5-1/4	13-9/16	12-1/2	3.30	—	1115
2"	V20	0112020	R20	0212020	V20	0122020	—	—	5-1/4	18-7/8	17-3/4	4.10	—	1120
3"	V30	0112030	—	—	V30	0122030	—	—	6-7/8	22-7/8	—	12.70	—	1130
4"	V40	0112040	—	—	V40	0122040	—	—	7-7/8	23-1/2	—	15.10	—	1140
6"	V60	0112060	—	—	V60	0122060	—	—	10-15/16	30-7/8	—	31.80	—	1160

ALL DIMENSIONS IN INCHES

Filter Silencer



The Filter Silencer is a highly efficient dual-stage filter plus an effective muffler for equipment such as compressor intakes, pressure blowers and pumps, reservoir vents, and gear housing breathers, used wherever it is essential that air be free of contamination.

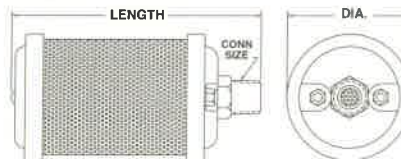
Feature Benefits:

- Dual-stage depth filtration filters out extremely fine dirt particles.
- Excellent attenuation of noise for quieter operation.
- Performs equally well at high or low velocities.
- Simple and easy to service.
- Long service life.

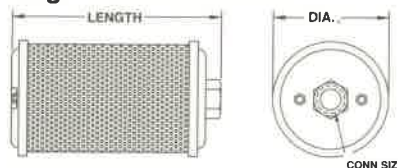
Filter elements are designed for heavy duty and sized for high flow rates and continuous operation. Filter elements consist of two separate independent filters providing positive filtration and protection of vital equipment from damaging airborne dust.

Unit should be mounted in a protective position, free from excessive vibration. Use wrench on hex head to tighten unit to the device.

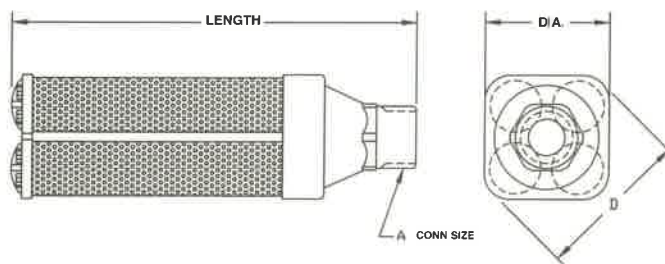
Single Chamber-Male



Single Chamber-Female



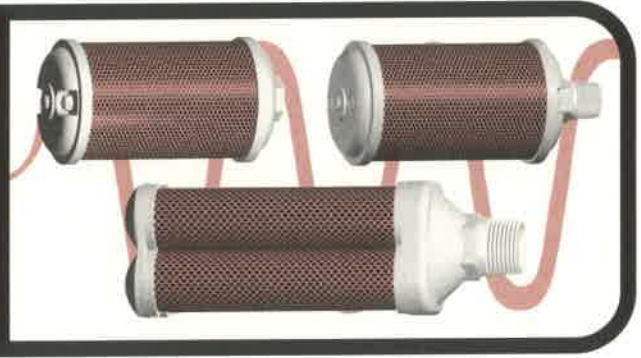
Multi-Chamber-Male



CONN SIZE	CONNECTION THREAD TYPES								DIMENSIONS			ITEM WGT	FLOW SCFM @ 90 PSI	REPLCMT. ELEMNT
	MALE/NPT		FEMALE/NPT		MALE/BSP		FEMALE/BSP		DIA.	LENGTH				
	MOD	EDP#	MOD	EDP#	MOD	EDP#	MOD	EDP#		MALE	FEMALE			
1/8"	F01	0113001	F01	0213001	F01	0123001	—	—	1-7/8	3-1/8	2-13/16	.20	—	3101
1/4"	F02	0113002	F02	0213002	F02	0123002	—	—	1-7/8	4-3/8	4	.25	—	3102
3/8"	F00	0113000	F00	0213000	F00	0123000	—	—	2-5/8	5-1/8	4-9/16	.50	—	3100
1/2"	F05	0113005	F05	0213005	F05	0123005	—	—	3-5/32	6	5-1/2	.75	—	3105
3/4"	F07	0113007	F07	0213007	F07	0123007	—	—	3-3/8	7-3/16	6-11/16	1.00	—	3107
1"	F10	0113010	F10	0213010	F10	0123010	—	—	3-7/8	8-3/4	8	1.56	—	3110
1-1/4"	F12	0113012	F12	0213012	F12	0123012	—	—	3-7/8	8-3/4	8	1.62	—	3112
1-1/2"	F15	0113015	F15	0213015	F15	0123015	—	—	5-1/4	13-9/16	12-1/2	3.75	—	3115
2"	F20	0113020	F20	0213020	F20	0123020	—	—	5-1/4	18-7/8	17-3/4	4.75	—	3120
3"	F30	0113030	—	—	F30	0123030	—	—	6-7/8	22-7/8	—	14.50	—	3130
4"	F40	0113040	—	—	F40	0123040	—	—	7-7/8	23-1/2	—	17.12	—	3140
6"	F60	0113060	—	—	F60	0123060	—	—	10-15/16	30-7/8	—	40.00	—	3160

ALL DIMENSIONS IN INCHES

High Pressure Muffler



Thoroughly proven by users on thousands of installations, the World Class Atomuffler superbly quiets Exponentially Perceived Noise (EPNdB). The Atomuffler satisfies the need to muffle explosive air exhaust noise from discharged valve exhaust ports to a comfortable quiet zone with optimized CV Flow Factor, thus substantially improving equipment performance.

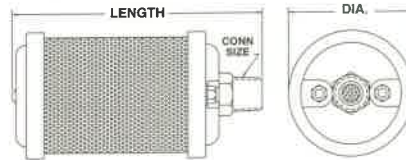
Constructed with a unique expansion chamber, completely free of obstruction, exhaust air flows softly to atmosphere free of noise, oil fog, and contaminants, providing a clean comfortable productive work environment.

Constructed entirely of corrosion resistant material for long life and maintenance-free performance, units are provided with a hex head, making it easy to attach to exhaust ports. They should be mounted in a protective position, free from excess vibration.

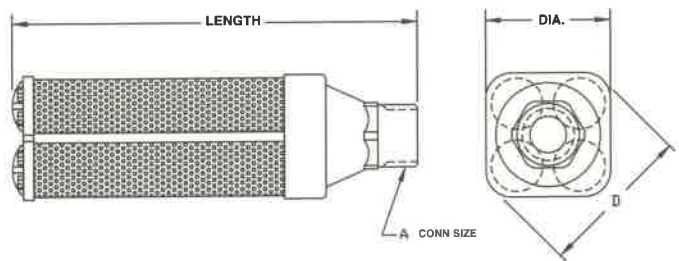
High Pressure Mufflers are engineered for silencing high pressure exhaust noise; models available for service up to 9,000 P.S.I.G. Units are made to meet specific requirements.

When ordering, specify pipe size connection and the operating air pressure (P.S.I.G.).

Single Chamber-Male



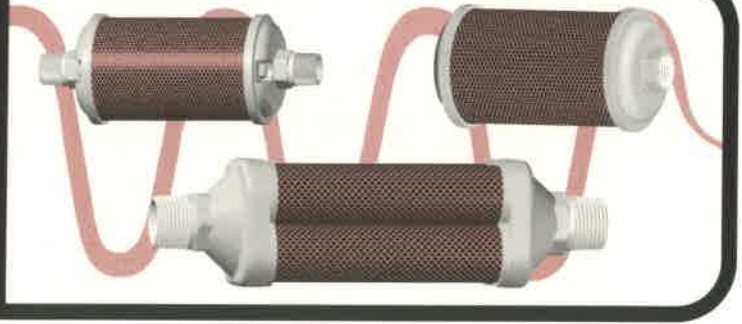
Multi-Chamber-Male



CONN SIZE	CONNECTION THREAD TYPES								DIMENSIONS			ITEM WGT	FLOW SCFM @ 90 PSI	REPLCMT. ELEMNT
	MALE/NPT		FEMALE/NPT		MALE/BSP		FEMALE/BSP		DIA.	LENGTH				
	MOD	EDP#	MOD	EDP#	MOD	EDP#	MOD	EDP#		MALE	FEMALE			
1/8"	P01	0316001	—	—	P01	0326001	—	—	1-7/8	3-1/8	—	.20	VARI	1101
1/4"	P02	0316002	—	—	P02	0326002	—	—	1-7/8	4-3/8	—	.25	—	1102
3/8"	P00	0316000	—	—	P00	0326000	—	—	2-5/8	5-1/8	—	.50	—	1100
1/2"	P05	0316005	—	—	P05	0326005	—	—	3-5/32	6	—	.90	—	1105
3/4"	P07	0316007	—	—	P07	0326007	—	—	3-3/8	7-3/16	—	1.20	—	1107
1"	P10	0316010	—	—	P10	0326010	—	—	3-7/8	8-3/4	—	1.60	—	1110
1-1/4"	P12	0316012	—	—	P12	0326012	—	—	3-7/8	8-3/4	—	1.65	—	1112
1-1/2"	P15	0316015	—	—	P15	0326015	—	—	5-1/4	13-9/16	—	3.60	—	1115
2"	P20	0316020	—	—	P20	0326020	—	—	5-1/4	18-7/8	—	4.50	—	1120
3"	P30	0316030	—	—	P30	0326030	—	—	6-7/8	22-7/8	—	15.75	—	1130
4"	P40	0316040	—	—	P40	0326040	—	—	7-7/8	23-1/2	—	16.00	—	1140
6"	P60	0316060	—	—	P60	0326060	—	—	10-15/16	30-7/8	—	32.70	—	1160

ALL DIMENSIONS IN INCHES

Thru-Flow Muffler



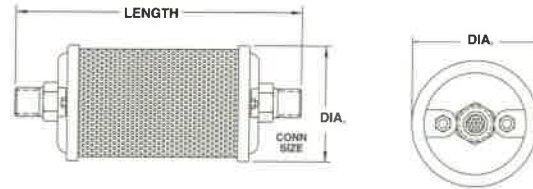
Thru-Flow Mufflers are recommended for applications where compressed air is being used on heavy slurries and such; mufflers reduce the exhaust noise and allow "carry out" to pass through freely. They can be arranged in series or tandem to accomplish any desired results.

Thoroughly proven by users on thousands of installations, the World Class Atomuffler superbly quiets Exponentially Perceived Noise (EPNdB). The Atomuffler satisfies the need to muffle explosive air exhaust noise discharged from valve exhaust ports to a comfortable quiet zone with optimized CV Flow Factor, thus substantially improving equipment performance.

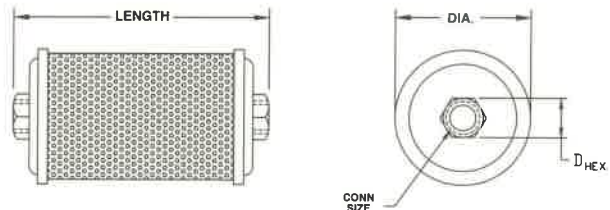
Constructed with a unique expansion chamber, completely free of obstruction, exhaust air flows softly to atmosphere free of noise, oil fog, and contaminants, providing a clean comfortable productive work environment.

Constructed entirely of corrosion resistant material for long life and maintenance-free performance, units are provided with a hex head, making it easy to attach to exhaust ports. They should be mounted in a protective position, free from excess vibration.

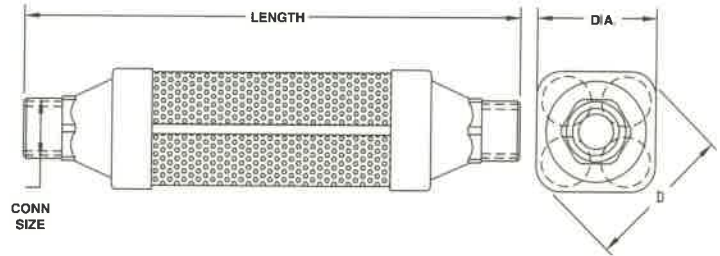
Single Chamber-Male



Single Chamber-Female



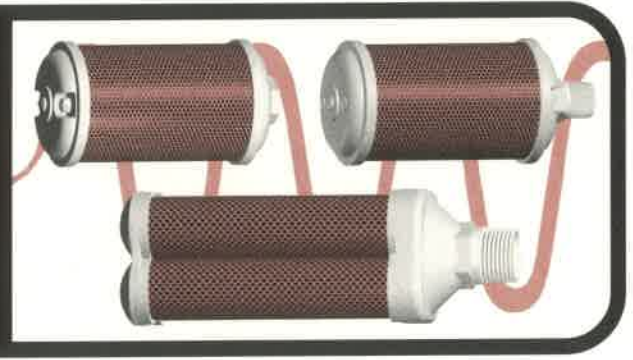
Multi-Chamber-Male



CONN SIZE	CONNECTION THREAD TYPES								DIMENSIONS			ITEM WGT	FLOW SCFM @ 90 PSI	REPLCMT. ELEMNT
	MALE/NPT		FEMALE/NPT		MALE/BSP		FEMALE/BSP		DIA.	LENGTH				
	MOD	EDP#	MOD	EDP#	MOD	EDP#	MOD	EDP#		MALE	FEMALE			
1/8"	T01	0319001	T01	0419001	T01	0329001	—	—	1-7/8	3-7/8	3	.20	44	1101
1/4"	T02	0319002	T02	0419002	T02	0329002	—	—	1-7/8	5-5/16	4-3/16	.26	84	1102
3/8"	T00	0319000	T00	0419000	T00	0329000	—	—	2-5/8	6	4-3/4	.55	192	1100
1/2"	T05	0319005	T05	0419005	T05	0329005	—	—	3-5/32	7	5-3/4	.90	256	1105
3/4"	T07	0319007	T07	0419007	T07	0329007	—	—	3-3/8	8-1/4	7	1.12	544	1107
1"	T10	0319010	T10	0419010	T10	0329010	—	—	3-7/8	10-5/16	8-3/8	1.60	800	1110
1-1/4"	T12	0319012	T12	0419012	T12	0329012	—	—	3-7/8	10-3/8	8-1/2	1.60	1360	1112
1-1/2"	T15	0319015	T15	0419015	T15	0329015	—	—	5-1/4	15-3/8	13	4.25	2080	1115
2"	T20	0319020	T20	0419020	T20	0329020	—	—	5-1/4	20-3/4	18-5/16	5.85	3200	1120
3"	T30	0319030	—	—	T30	0329030	—	—	6-7/8	29-5/16	—	13.35	7200	1130
4"	T40	0319040	—	—	T40	0329040	—	—	7-7/8	30-1/16	—	20.00	14000	1140
6"	T60	0319060	—	—	T60	0329060	—	—	10-15/16	39-7/8	—	36.00	36000	1160

ALL DIMENSIONS IN INCHES

Steam Exhaust Muffler



Low in cost, compact, lightweight and easy to handle, Steam Exhaust Mufflers effectively silence the annoying and objectionable noise created by steam exhaust outlets.

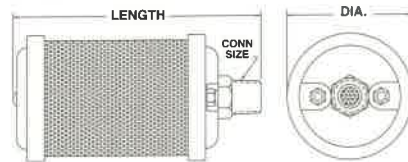
Unlike other mufflers for steam exhaust service, they are constructed with expansion chambers completely free of obstructions, in which the exhaust steam is expanded, then disseminated at reduced velocity through the perforated cylinder wall openings of the muffler — without noise, and with negligible mechanical impedance.

As an additional safeguard for meeting the requirements of unusually demanding applications, SM Mufflers are supplied with heavy duty metal cylinder wall disseminators for successfully combating the otherwise potentially damaging effects of high flow rate and temperature up to 350°F.

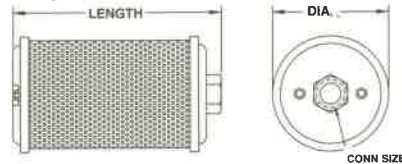
Constructed of corrosion-resistant materials and treated with a special coating for resistance to conditions where alkalis could be a problem.

For quick, direct connection to steam exhaust ports SM Mufflers are supplied with standard pipe thread connections in a full range of sizes from 1/8 to 6 inches. Unit should be mounted in a protective position, free from excessive vibration. Use wrench on hex head to tighten unit to device.

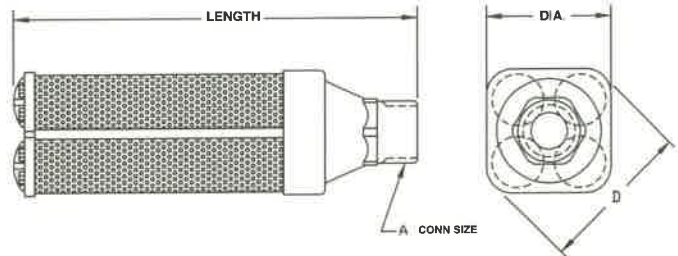
Single Chamber-Male



Single Chamber-Female



Multi-Chamber-Male



CONN SIZE	CONNECTION THREAD TYPES								DIMENSIONS			ITEM WGT	FLOW SCFM @ 90 PSI	REPLCMT. ELEMNT
	MALE/NPT		FEMALE/NPT		MALE/BSP		FEMALE/BSP		DIA.	LENGTH				
	PIPE	MOD	EDP#	MOD	EDP#	MOD	EDP#	MOD		EDP#	MALE			
1/8"	S01	0114001	Z01	0214001	S01	0124001	—	—	1-7/8	3-1/8	2-13/16	.22	36	5101
1/4"	S02	0114002	Z02	0214002	S02	0124002	—	—	1-7/8	4-3/8	4	.30	84	5102
3/8"	S00	0114000	Z00	0214000	S00	0124000	—	—	2-5/8	5-1/8	4-9/16	.60	152	5100
1/2"	S05	0114005	Z05	0214005	S05	0124005	—	—	3-5/32	6	5-1/2	1.00	216	5105
3/4"	S07	0114007	Z07	0214007	S07	0124007	—	—	3-3/8	7-3/16	6-11/16	1.25	424	5107
1"	S10	0114010	Z10	0214010	S10	0124010	—	—	3-7/8	8-3/4	8	1.62	800	5110
1-1/4"	S12	0114012	Z12	0214012	S12	0124012	—	—	3-7/8	8-3/4	8	1.75	1200	5112
1-1/2"	S15	0114015	Z15	0214015	S15	0124015	—	—	5-1/4	13-9/16	12-1/2	4.50	1920	5115
2"	S20	0114020	Z20	0214020	S20	0124020	—	—	5-1/4	18-7/8	17-3/4	6.00	2960	5120
3"	S30	0114030	—	—	S30	0124030	—	—	6-7/8	22-7/8	—	16.50	6640	5130
4"	S40	0114040	—	—	S40	0124040	—	—	7-7/8	23-1/2	—	17.80	14400	5140
6"	S60	0114060	—	—	S60	0124060	—	—	10-15/16	30-7/8	—	37.80	34400	5160

ALL DIMENSIONS IN INCHES

Atomuffler Speed Control



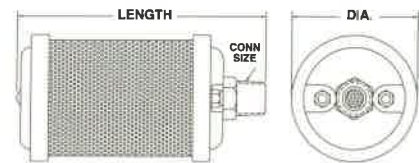
Inexpensive, and highly effective for eliminating air exhaust noise, the Speed Control Muffler provides the added feature of speed control for air operated devices.

Connected directly to the exhaust port of the air operating valve, CS Type Mufflers are extensively used to regulate cylinder or actuator speeds on welders, presses, riveters, stitching equipment, etc. — wherever it is desirable to regulate air flow for the control of cycle time, and to reduce wear and tear on the equipment.

Adjustment to the cylinder speed desired is accomplished by regulating the flow of exhaust air through the muffler, simply by turning an external adjustment screw which accurately varies the orifice opening of the muffler, from closed to full flow. Ample latitude provided by adjustment screw enables operator to “zero in” to exact setting required. Securely locked at the required setting with a locknut, the adjustment screw cannot be removed or blown from the muffler.

Constructed with the Allied Witan Atomuffler design for noise control, the CS Type Muffler is provided with an expansion chamber completely free of obstructions, from which the exhaust air, at reduced velocity, is softly and quietly dispersed through the openings of the cylinder wall of the muffler — with nothing remaining of the high pitched noise often characteristic of metered air discharge applications. Unit should be mounted in protective position, free from excessive vibration. Use wrench on hex head to tighten unit to the device.

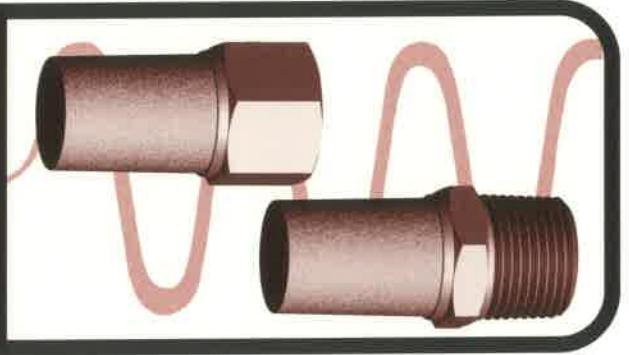
Single Chamber-Male



CONN SIZE	CONNECTION THREAD TYPES								DIMENSIONS			ITEM WGT	FLOW SCFM @ 90 PSI	REPLCMT. ELEMNT
	MALE/NPT		FEMALE/NPT		MALE/BSP		FEMALE/BSP		DIA.	LENGTH				
	MOD	EDP#	MOD	EDP#	MOD	EDP#	MOD	EDP#		MALE	FEMALE			
1/8"	C01	0315001	—	—	C01	0321001	—	—	1-7/8	3-1/8	—	.25	44	1101
1/4"	C02	0315002	—	—	C02	0321002	—	—	1-7/8	4-3/8	—	.30	84	1102
3/8"	C00	0315000	—	—	C00	0321000	—	—	2-5/8	5-1/8	—	.60	192	1100

ALL DIMENSIONS IN INCHES

Porous Metal Filter & Muffler



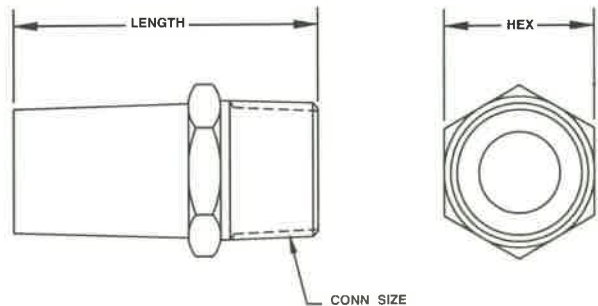
Selective Permeability...Optimum Filtering and Diffusion for Air, Fuels, and other Liquids...Disperses Noise

Tough, cellular sintered metal structure, secured to metal ferrule, provides desirable combination of strength and performance.

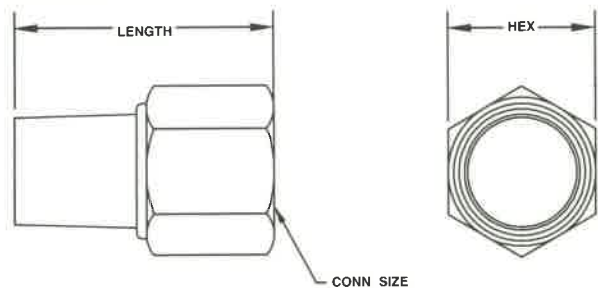
Porous Metal units are effective for many applications including muffling of air valve noise; exhaust and intake filtering; cryogenic phase separation; coalescing of oil mist; water vapor, etc.; pressure or vacuum equalization; and many others.

Compact and inexpensive, they are easy to install and maintain. Particularly suitable where space is limited. Unit should be mounted in a protective position free from exposure to excessive vibration and abuse. Use wrench on hex head to tighten unit to the device.

Male



Female



MODEL P TYPE PM

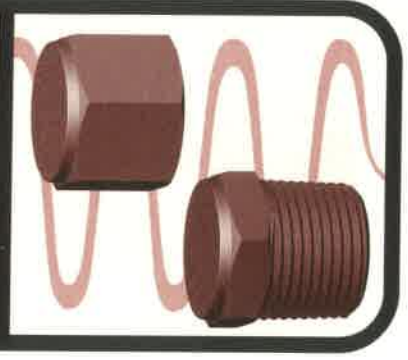
CONN SIZE	MODEL SIZE	DIMENSIONS				ITEM WGT.	FLOW SCF/90
		HEX		LENGTH			
		M	F	M	F		
10/32	P08	3/8	—	13/16	—	.01	12
1/16	P16	3/8	—	13/16	—	.01	24
1/8	P18	7/16	9/16	13/16	1-1/4	.02	48
1/4	P28	9/16	11/16	1-4/14	1-7/16	.03	64
3/8	P38	11/16	7/8	1-15/32	1-7/8	.05	160
1/2	P48	7/8	1-1/16	1-7/8	2-1/8	.10	240
3/4	P68	1-1/16	—	2-1/8	—	.16	400
1"	P88	1-5/16	—	2-13/16	—	.29	560
1-1/4	P108	1-11/16	—	3-7/16	—	.50	640
1-1/2	P128	2"	—	4"	—	.75	1200
2"	P168	2-3/8	—	4-3/4	—	1.31	2000

P/M MICRON PORE SIZE & EDP NO.

CONN TYPE	THRD TYPE	MICRON SIZE	EDP NUMBER MODEL / SIZE RANGE
NPT	MALE	40	<u>0155008</u> / <u>0155168</u>
NPT	MALE	90	0170018 / 0170168
NPT	MALE	10	<u>0525018</u> / <u>0525088</u>
NPT	MALE	20	0526018 / 0526088
BSP	MALE	40	<u>0556018</u> / <u>0556168</u>
BSP	MALE	90	0524018 / 0524168
BSP	MALE	10	<u>0522018</u> / <u>0522088</u>
BSP	MALE	20	0523018 / 0523088
NPT	FEMALE	40	<u>0255018</u> / <u>0255048</u>
NPT	FEMALE	90	0539018 / 0539048
NPT	FEMALE	10	<u>0625018</u> / <u>0625048</u>
NPT	FEMALE	20	0626018 / 0626048

UNDERLINED NUMBERS = RANGE OF MODEL SIZES

Porous Metal Breather Vent Filter

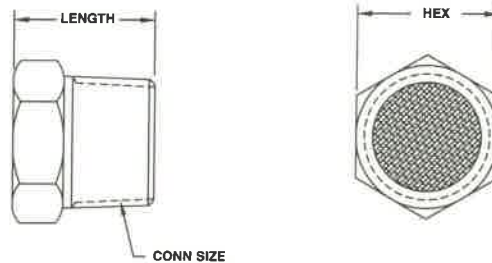


Tough...Inexpensive...Low Profile Filter & Diffusion Unit

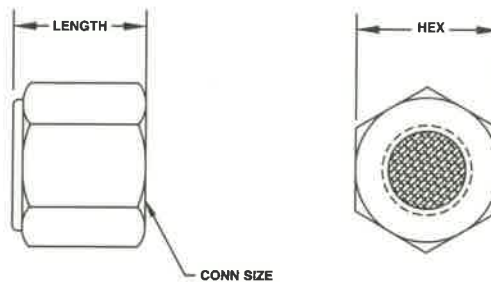
With their low profile, these compact units are most often used as breather vent filters easily inserted in cylinders, gear boxes, crank cases, storage cases, storage tanks and other vessels - wherever pressure equalization is required.

Supplied with male pipe threads, they can be inserted, with little protrusion, as a flat integral part of the equipment. Unit should be mounted in a protective position free from excessive vibration. Use wrench on hex head to tighten unit to the device.

Male



Female



MODEL F TYPE BF

CONN SIZE	MODEL SIZE	DIMENSIONS				ITEM WGT.	FLOW SCF/90
		HEX		LENGTH			
		M	F	M	F		
10/32	F08	3/8	—	3/8	—	.01	6
1/16	F16	3/8	—	3/8	—	.01	12
1/8	F18	7/16	9/16	7/16	5/8	.01	24
1/4	F28	9/16	11/16	5/8	3/4	.02	32
3/8	F38	11/16	7/8	3/4	15/16	.04	80
1/2	F48	7/8	1-1/16	7/8	1"	.06	120
3/4	F68	1-1/16	—	1"	—	.09	200
1"	F88	1-5/16	—	1-1/16	—	.19	280
1-1/4	F108	1-11/16	—	1-7/16	—	.32	320
1-1/2	F128	2"	—	1-1/2	—	.43	600
2"	F168	2-3/8	—	1-1/2	—	.71	1000

P/M MICRON PORE SIZE & EDP NO.

CONN TYPE	THRD TYPE	MICRON SIZE	EDP NUMBER MODEL / SIZE RANGE
NPT	MALE	40	<u>0157008</u> / <u>0157168</u>
NPT	MALE	90	<u>0175018</u> / <u>0175168</u>
NPT	MALE	10	<u>0527018</u> / <u>0527088</u>
NPT	MALE	20	<u>0528018</u> / <u>0528088</u>
BSP	MALE	40	<u>0558018</u> / <u>0558168</u>
BSP	MALE	90	<u>0539018</u> / <u>0539168</u>
BSP	MALE	10	<u>0537018</u> / <u>0537088</u>
BSP	MALE	20	<u>0538018</u> / <u>0538088</u>
NPT	FEMALE	40	<u>0257018</u> / <u>0257048</u>
NPT	FEMALE	90	<u>0675018</u> / <u>0675048</u>
NPT	FEMALE	10	<u>0627018</u> / <u>0627048</u>
NPT	FEMALE	20	<u>0628018</u> / <u>0628048</u>

— UNDERLINED NUMBERS = RANGE OF MODEL SIZES

Adjust-A-Flo Muffler



Speed Control Mufflers are used to effectively eliminate noise and to control the flow of pressurized air.

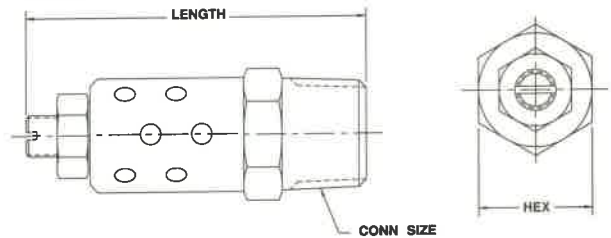
The adjustable tapered metering valve provides needle point control of air flow ... on pressure applications ... and for vacuum relief on vacuum systems.

Using an external adjustment screw, flow can be precisely metered between fully closed to full hi-flow open. A locknut allows the desired setting to be locked in, preventing accidental tampering.

Constructed with a sintered bronze sleeve housed in a plated steel jacket, the Speed Control Muffler offers superior noise reduction as well as maximum durability.

Provided in standard pipe sizes.

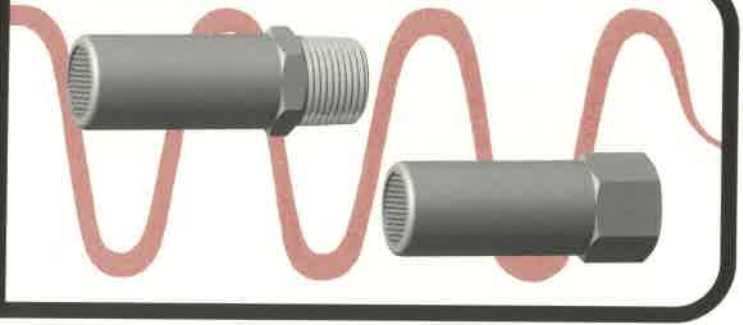
Male



CONN SIZE	CONNECTION THREAD TYPES				DIMENSIONS		ITEM WGT	FLOW SCFM @ 90 PSI
	MALE/NPT		MALE/BSP		DIA.	LENGTH MALE		
	MOD	EDP#	MOD	EDP#				
1/8"	C18	0156018	C18	0559018	7/16	1-11/32	.02	30
1/4"	C28	0156028	C28	0559028	9/16	1-21/32	.04	51
3/8"	C38	0156038	C38	0559038	11/16	2-5/64	.06	70
1/2"	C48	0156048	C48	0559048	7/8	2-1/4	.12	100
3/4"	C68	0156068	C68	0559068	1-1/16	2-13/16	.21	130
1"	C88	0156088	C88	0559088	1-5/16	3-13/32	.35	160

ALL DIMENSIONS IN INCHES

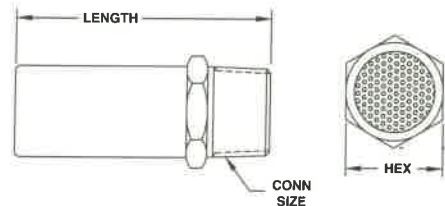
End Flow Muffler



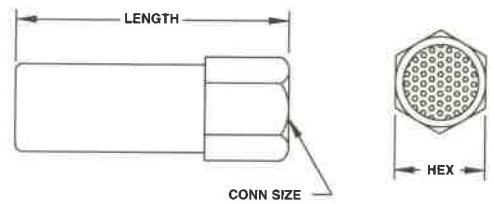
Alwitco End Flow Mufflers are particularly designed for use where it is desirable to direct the flow of exhaust air in a single direction. Discharged axially, the exhaust air flows freely through a unique labor honey-combed end cap which disperses the air blast and effectively dampens exhaust noise.

The light weight and relatively small size of Alwitco End Flow Mufflers permit them to be used in almost any location. Standard male and female pipe threads make direct attachment quick and easy. Unit should be mounted in a protective position, free from excessive vibration. Use wrench on Hex head to tighten unit to the device.

Male



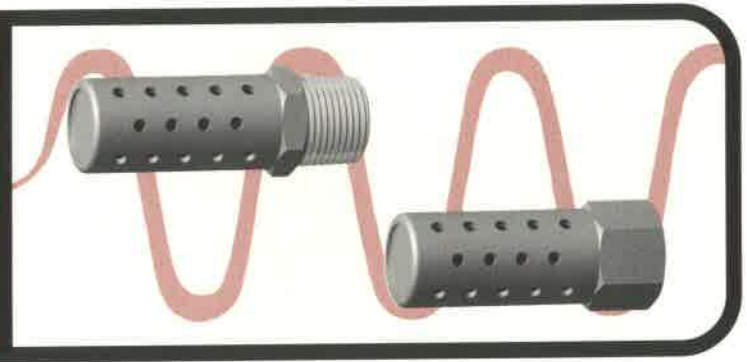
Female



CONN SIZE	CONNECTION THREAD TYPES								DIMENSIONS			ITEM WGT	FLOW SCFM @ 90 PSI
	MALE/NPT		FEMALE/NPT		MALE/BSP		FEMALE/BSP		HEX	LENGTH			
	MOD	EDP#	MOD	EDP#	MOD	EDP#	MOD	EDP#		MALE	FEMALE		
1/8"	D18	0153018	D18	0253018	D18	0551018	—	—	7/16	1-3/8	1-3/8	.02	44
1/4"	D28	0153028	D28	0253028	D28	0551028	—	—	9/16	1-3/4	1-3/4	.04	72
3/8"	D38	0153038	D38	0253038	D38	0551038	—	—	11/16	2-1/4	2-1/4	.06	136
1/2"	D48	0153048	D48	0253048	D48	0551048	—	—	7/8	2-3/4	2-11/16	.11	216
3/4"	D68	0153068	—	—	D68	0551068	—	—	1-1/16	3-3/16	—	.23	400
1"	D88	0153088	—	—	D88	0551088	—	—	1-5/16	3-7/8	—	.36	560
1-1/4"	D108	0153108	—	—	—	—	—	—	1-11/16	4-1/2	—	.63	800
1-1/2"	D128	0153128	—	—	—	—	—	—	2	5	—	.78	880
2"	D168	0153168	—	—	—	—	—	—	2-3/8	5-1/2	—	1.20	1760

ALL DIMENSIONS IN INCHES

Bantam Muffler

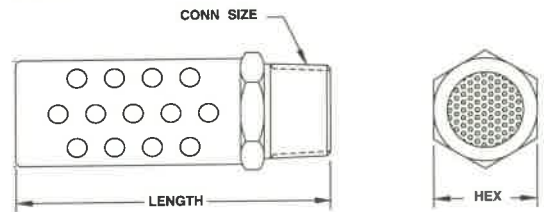


Tough, compact, and ideally suited for use where space is limited, Bantam Mufflers are durably constructed of corrosion-resistant metal to withstand shock and continuous heavy duty use under all sorts of conditions.

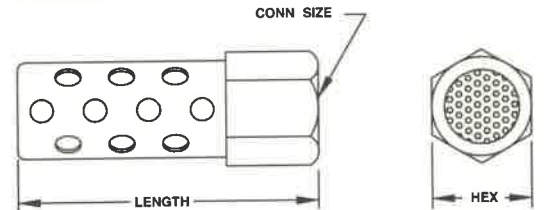
Designed with a precise distribution of peripheral openings, the Bantam Mufflers softly disperses exhaust air uniformly over a 360° pattern to provide completely effective reduction of objectionable air exhaust noise.

Supplied with a standard pipe thread fitting. Bantam Mufflers can be attached directly to the exhaust ports of air-operated equipment. Units should be mounted in a protective position, free from excessive vibration. Use wrench on the hex head to tighten unit to the device.

Male



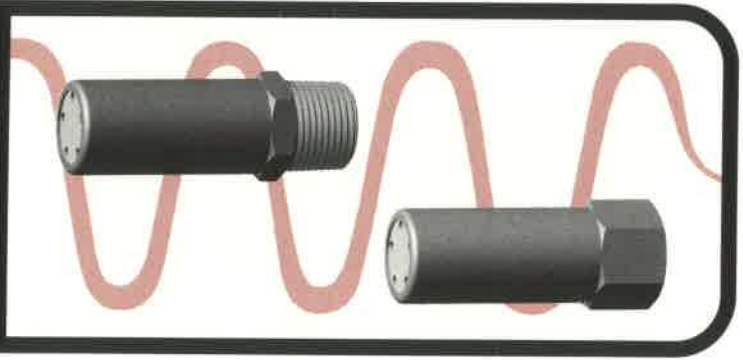
Female



CONN SIZE	CONNECTION THREAD TYPES								DIMENSIONS			ITEM WGT	FLOW SCFM @ 90 PSI	REPLCMT. ELEMNT
	MALE/NPT		FEMALE/NPT		MALE/BSP		FEMALE/BSP		HEX	LENGTH				
	PIPE	MOD	EDP#	MOD	EDP#	MOD	EDP#	MOD		EDP#	MALE			
1/8"	B18	0154018	B18	0254018	B18	0554018	—	—	7/16	1-3/8	1-3/4	.02	44	NA
1/4"	B28	0154028	B28	0254028	B28	0554028	—	—	9/16	1-3/4	2-1/4	.05	96	NA
3/8"	B38	0154038	B38	0254038	B38	0554038	—	—	11/16	2-1/4	2-11/16	.08	200	NA
1/2"	B48	0154048	B48	0254048	B48	0554048	—	—	7/8	2-3/4	3-1/8	.15	304	NA
3/4"	B68	0154068	—	—	B68	0554068	—	—	1-1/16	3-3/16	—	.30	560	NA
1"	B88	0154088	—	—	B88	0554088	—	—	1-5/16	3-7/8	—	.50	800	NA
1-1/4"	B108	0154108	—	—	B108	0554108	—	—	1-11/16	4-1/2	—	.85	1120	NA
1-1/2"	B128	0154128	—	—	B128	0554128	—	—	2	5	—	1.12	1440	NA
2"	B168	0154168	—	—	B168	0554168	—	—	2-3/8	5-1/2	—	1.80	2240	NA

ALL DIMENSIONS IN INCHES

Air Ejector Muffler



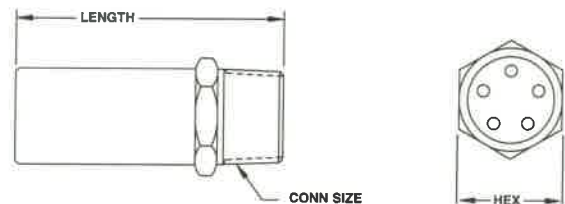
Quickly connected to any compressed air ejector presently used for the ejection of parts, Alwitco Air Ejector Mufflers concentrate the ejector air stream in a narrow beam over a longer distance, deliver maximum force at the exact point required.

With 76% less air consumption, they provide more air thrust with lower pressure requirements, reduce air ejection noise by as much as 21 decibels (dba).

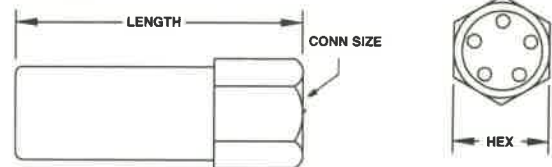
As complete units with cylindrical housing as illustrated, and with either male or female standard pipe thread connections, Alwitco Air Ejector Mufflers can be directly attached to compressed air lines properly positioned for parts ejection. Ordinarily furnished with a standard collimator insert, they can also be supplied, where specified, with a special heat-resistant metal collimator insert for use in locations where extremely high ambient temperatures could present a problem. Units should be mounted in a productive position, free from excessive vibration. Use wrench on hex head to tighten unit to the device.

Alwitco Air Ejector Mufflers are also available as separate collimator inserts, for use on jobs where it becomes necessary to drill air holes directly into a die to provide direct air thrust for effective parts ejection. Low in cost, these collimator inserts can be installed directly into the die at the air hole outlet, merely by drilling or re-aiming the proper opening to accommodate the muffler insert.

Male



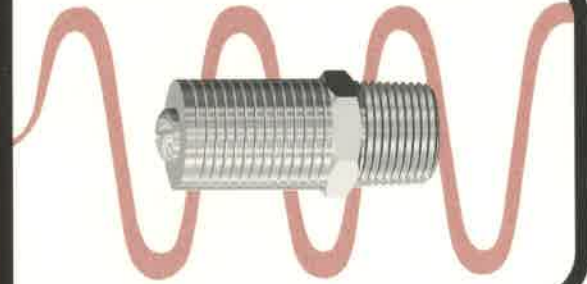
Female



CONN SIZE	CONNECTION THREAD TYPES								DIMENSIONS			ITEM WGT	FLOW SCFM @ 90 PSI	REPLCMT. ELEMNT
	MALE/NPT		FEMALE/NPT		MALE/BSP		FEMALE/BSP		HEX	LENGTH				
	MOD	EDP#	MOD	EDP#	MOD	EDP#	MOD	EDP#		MALE	FEMALE			
1/8"	A18	0152018	A18	0252018	A18	0552018	—	—	7/16	1-3/8	1-3/8	.02	22	NA
1/4"	A28	0152028	A28	0252028	A28	0552028	—	—	9/16	1-3/4	2-1/4	.04	34	NA
3/8"	A38	0152038	A38	0252038	A38	0552038	—	—	11/16	2-1/4	2-11/16	.06	45	NA
1/2"	A48	0152048	A48	0252048	A48	0552048	—	—	7/8	2-3/4	3-1/8	.12	68	NA
3/4"	A68	0152068	—	—	A68	0552068	—	—	1-1/16	3-3/16	—	.21	75	NA
1"	A88	0152088	—	—	A88	0552088	—	—	1-5/16	3-7/8	—	.35	101	NA

ALL DIMENSIONS IN INCHES

Micro Miniature Muffler



Micro-Miniature Mufflers are designed specifically for limited air volume use on pneumatic circuit applications such as control, pilot, limit, zone, and relay valves. The muffler's compact size allows installation in extremely tight quarters. Unit should be mounted in a protective position, free from excessive vibration. Use wrench on hex head to tighten unit to the device. Attached directly to the exhaust ports, the Micro-Miniature Mufflers are an efficient and inexpensive noise control addition to your pneumatic circuit.

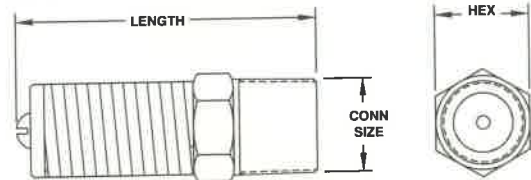
Noise reduction is accomplished by dispersing the exhaust air radially, minimizing sound intensity, with negligible flow impedance. An added feature of the Micro-Miniature Muffler is that if desired, it can be used as a speed control to meter the exhaust air flow.

Construction entirely of corrosion resistant materials, together with the self-cleaning feature, means long trouble-free performance.

Outstanding Benefits:

- Compact—lightweight—low cost.
- Radial-flow discharge.
- Variable flow control.
- Self-cleaning.
- Rust resistant.

Male



CONN SIZE	CONNECTION THREAD TYPES								DIMENSIONS			ITEM WGT	FLOW SCFM @ 90 PSI	REPLCMT. ELEMNT
	MALE/NPT		FEMALE/NPT		MALE/BSP		FEMALE/BSP		HEX	LENGTH				
	MOD	EDP#	MOD	EDP#	MOD	EDP#	MOD	EDP#		MALE	FEMALE			
1/8"	M18	0151018	—	—	—	—	—	—	7/16	1-1/16	—	.03	32	NA
1/4"	M28	0151028	—	—	—	—	—	—	9/16	1-19/32	—	.06	48	NA

ALL DIMENSIONS IN INCHES

Special Mufflers Designed for Customized Service Applications



<u>CHARACTERISTICS</u>	<u>EDP NUMBER</u>
WEAR RESISTANT DEFLECTOR /A58	0392
HI-FLOW APERTURE/E14	0393
ULTRA HI-FLOW/R51	0361
CORROSION RESISTANCE/R61	0381
CORROSION RESIST ULTRA HI-FLOW/R81	0382
TEMPERATURE RESISTANT/R21	0370
CORROSION RESISTANCE/SS	0385
ULTRA CORROSION RESISTANCE/SS	0383
ANTI-CLOGGING/R41	0390
HI-FLOW/E14	0388
CORROSION PROTECTION/R11	0372
ULTRA FLOW/R51 & 24	0371
ULTRA HIGH CORROSION RESISTANT/SS/CF	0310
ULTRA HIGH CORROSION/ TEMP RESISTANT/SS/BW	0311
SOFT FLOW	0330
END FLOW	0317
ASPIRATOR	0318
SPEED CONTROL	0315

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