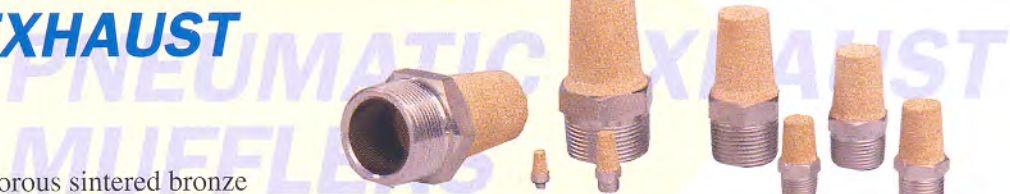


# PNEUMATIC EXHAUST MUFFLERS



Quiet Flow muffler/filters utilize porous sintered bronze directly bonded to nickel plated steel pipe thread fillings to diffuse air and muffle noise from the exhausted ports or valves, cylinders and air tools. These units offer a combination of small size with the greatest possible sound deadening qualities to reduce exhaust noise to acceptable levels within OSHA noise requirements.

In addition, these units are used as filters for gasoline, oil and air. Standard unit contains a 40 micron element, and 20 or 90 micron units are available on special order. Model ASP-420 is a female thread (1/2" - 20) muffler for use on exhaust ports of most solenoid valves. It can be used with "exhaust to atmosphere" valves, including Skinner, Peter Paul, Allied, KIP, Pre Dyne or any muffler using 1/2" - 20 threads on the sleeve.

Maximum operating pressure: 300 PSI

Operating temperature: 35°F to 300°F

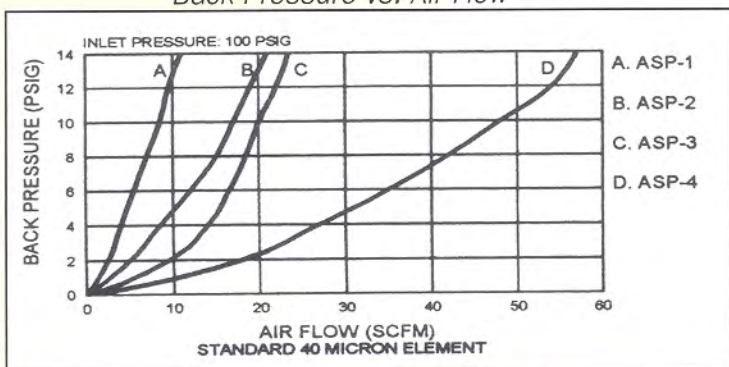
Part No. NPT	Part No. BSP	Thread Size	Overall Length	Dia.	Weight Lbs.
ASP-M*		10"-32	45/64"	5/16"	.01
ASP-1	ASP-1BS	1/8"	1-1/8"	7/16"	.02
ASP-2	ASP-2BS	1/4"	1-3/8"	9/16"	.04
ASP-3	ASP-3BS	3/8"	1-1/2"	11/16"	.06
ASP-4	ASP-4BS	1/2"	1-7/8"	7/8"	.10
ASP-6	consult factory	3/4"	2-1/4"	1-1/16"	.18
ASP-8	consult factory	1"	2-7/8"	1-5/16"	.34
ASP-10	consult factory	1-1/4"	3-1/4"	1-11/16"	.62
ASP-12	consult factory	1-1/2"	3-11/16"	2"	.88
ASP-420**		1/2"-20	1-3/16"	5/8"	.04

\* Furnished with gasket.

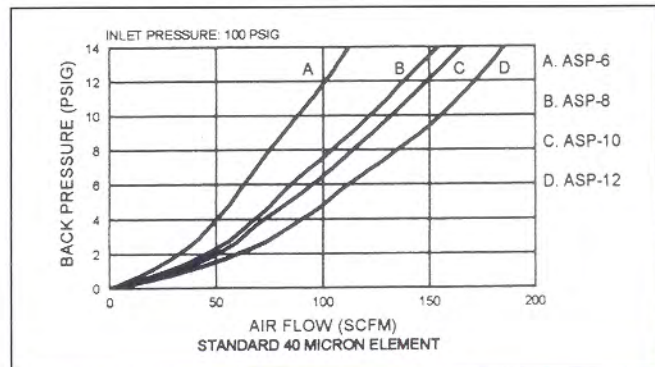
\*\* Female threads fits most solenoid valve exhaust ports.

## Flow Characteristics—Pneumatic Exhaust Mufflers

**ASP-1 ASP-2 ASP-3, ASP-4**  
Back Pressure vs. Air Flow



**ASP-6, ASP-8, ASP-10, ASP-12**  
Back Pressure vs. Air Flow



## Sound Characteristics—Pneumatic Exhaust Mufflers

Back Pressure PSIG	ASP-1: 1/8"		ASP-2: 1/4"		ASP-3: 3/8"		ASP-4: 1/2"		ASP-6: 3/4"		ASP-8: 1"		ASP-10: 1-1/4"		ASP-12: 1-1/2"	
	Flow SCFM	dB	Flow SCFM	dB	Flow SCFM	dB	Flow SCFM	dB	Flow SCFM	dB	Flow SCFM	dB	Flow SCFM	dB	Flow SCFM	dB
1													38	102	52	111
2	4	72	5	75	9.5	81	17	92	32	99	45	109				
3													54	103	82	112
4	5	72	8	75	14	83	28	94	50	101	68	107				
5													70	107	108	111
6	6	73	12	76	16.5	83	35	98	63	101	84	106				
7													85	106	126	110
8	7	73	15	82	18.5	83	42	99	75	102	104	106				
9													110	105	150	109
10	7	76	16	83	20	84	48	100	88	102	122	106				
11													131	105	162	109
12	9	78	19	84	22	84	53	101	101	102	138	106				
13													154	105		
14	11	80	21	84	23.5	85	57	101	112	103	154	106				

Inlet pressure 100 psi

# SPEED CONTROL MUFFLERS

# SPEED CONTROL MUFFLERS

Quiet Flow speed control mufflers provide an infinite variation of metering air flow at an acceptable sound level on exhaust ports of air valves with complete safety.



With linear adjusting ability, the speed of an operating cylinder or air tool may be increased or decreased with the adjusting screw. The final position is then locked in place by the lock nut. Objectionable exhaust air noise is eliminated by the surrounding sleeve of sintered bronze.

Complete safety in operation is featured in Quiet Flow speed control mufflers. The sintered bronze sleeve is held securely in position and protected by an integral shroud. Unit contains a 40 micron element.

High flow units offer more surface area for increased flow.

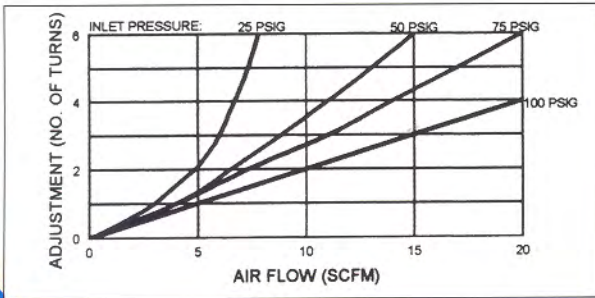
Maximum operating pressure: 300 PSI  
Operating temperatures: 35°F to 300°F

Part No.*	NPT	Max Adj Flow SCFM	Approx Height Full Oper	Hex	Weight Lbs
ASP-1SC	1/8"	20	1 5/16"	1/2"	.07
ASP-2SC	1/4"	30	1 9/16"	9/16"	.09
ASP-3SC	3/8"	40	1 5/8"	11/16"	.14
ASP-4SC	1/2"	60	2"	7/8"	.25
ASP-6SC	3/4"	70	2 3/8"	1 1/16"	.42
ASP-8SC	1"	100	2 1/2"	1 5/16"	.56
ASP-1SCH	1/8"	30	1 9/16"	9/16"	.09
ASP-2SCH	1/4"	40	1 5/8"	11/16"	.14
ASP-3SCH	3/8"	60	2"	7/8"	.25
ASP-4SCH	1/2"	70	2 3/8"	1 1/16"	.42

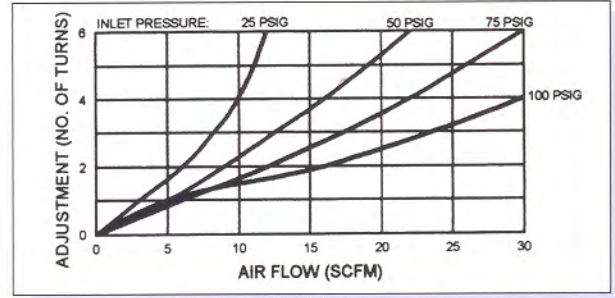
\* Suffix H Indicates High Flow

## Flow Characteristics vs. Adjustment – Speed Control Mufflers

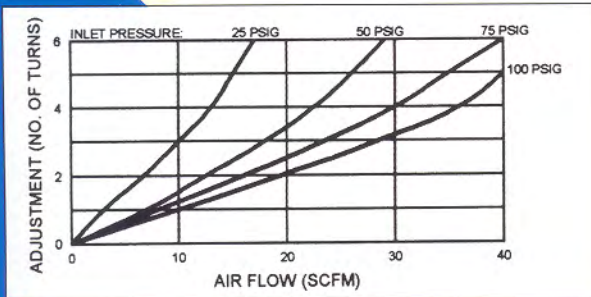
**ASP-1SC**  
Adjustment vs. Air Flow



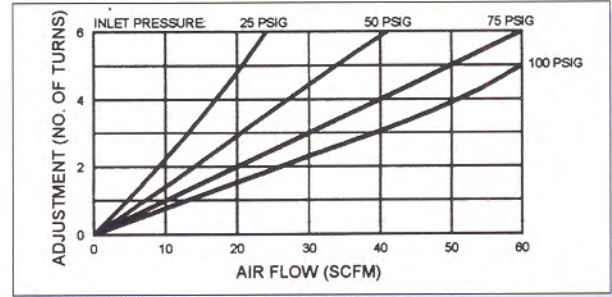
**ASP-2SC & ASP-1SCH**  
Adjustment vs. Air Flow



**ASP-3SC & ASP-2SCH**  
Adjustment vs. Air Flow



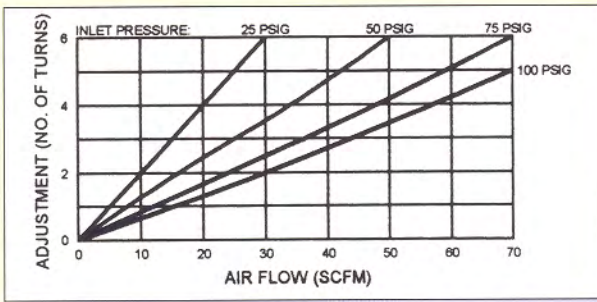
**ASP-4SC & ASP-3SCH**  
Adjustment vs. Air Flow



## Flow Characteristics vs. Adjustment – Speed Control Mufflers (continued)

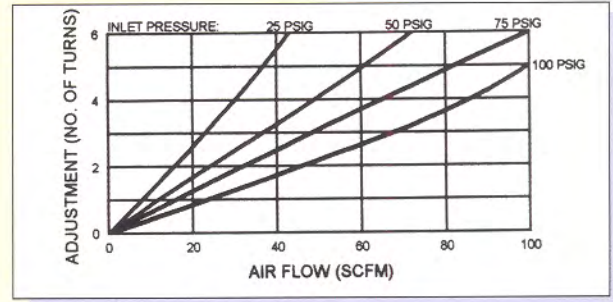
### ASP-6SC & ASP-4SCH

Adjustment vs. Air Flow



### ASP-8SC

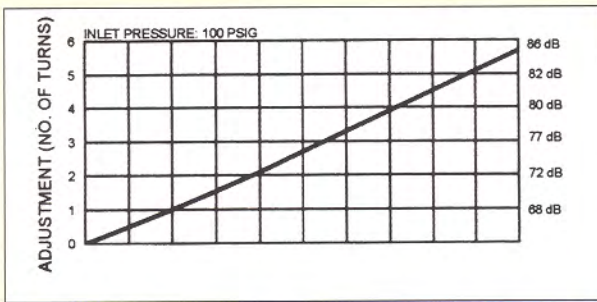
Adjustment vs. Air Flow



## Sound Characteristics vs. Adjustment – Speed Control Mufflers

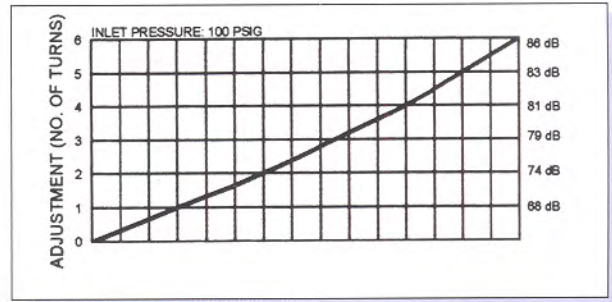
### ASP-1SC

Adjustment vs. dB Rating



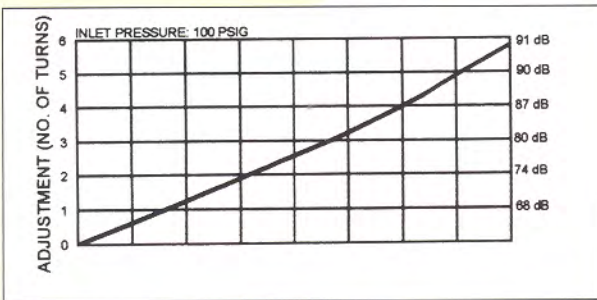
### ASP-2SC & ASP-1SCH

Adjustment vs. dB Rating



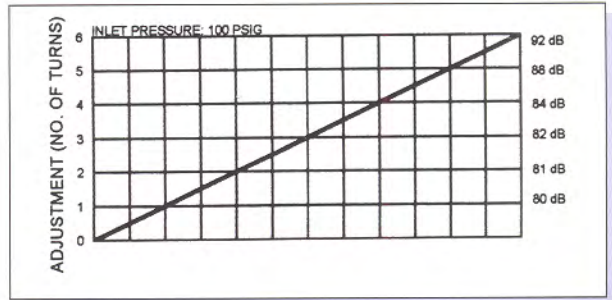
### ASP-3SC & ASP-2SCH

Adjustment vs. dB Rating



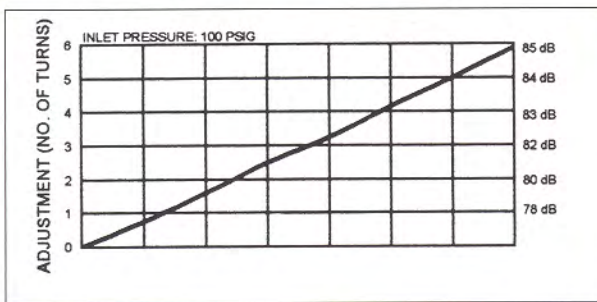
### ASP-4SC & ASP-3SCH

Adjustment vs. dB Rating



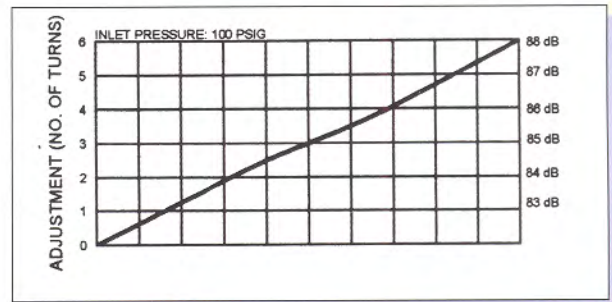
### ASP-6SC & ASP-4SCH

Adjustment vs. dB Rating



### ASP-8SC

Adjustment vs. dB Rating



# SUPER QUIET FLOW ECONOMY PNEUMATIC SILENCER MUFFLERS

A new concept in muffler design incorporates a 50 mesh, self-cleaning, stainless steel screen in a strong, protective glass-filled nylon housing which is ultrasonically welded for maximum strength.

This unit offers greater flow with less pressure drop than the ASP Series, while reducing noise levels. See performance charts for flow information and sound characteristics.

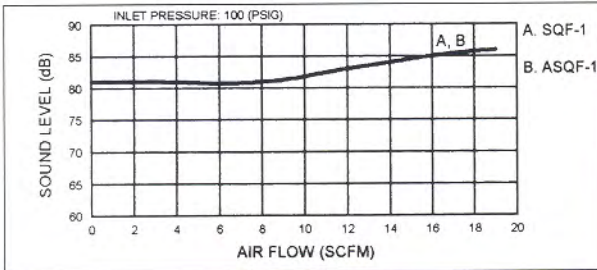
Maximum operating pressure: 150 PSI  
Operating temperatures: 35°F to 120°F



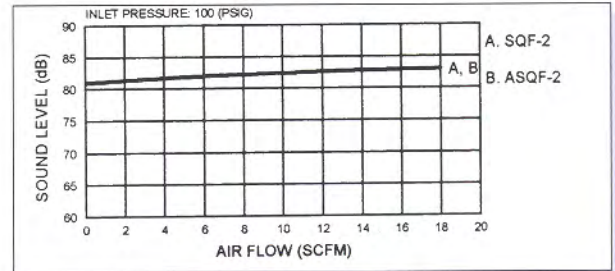
Part No.	NPT	Overall Length	Diameter	Weight lbs.
SQF-1	1/8"	2 7/64"	13/16"	.02
SQF-2	1/4"	2 15/64"	13/16"	.03
SQF-3	3/8"	3 27/64"	1 1/4"	.09
SQF-4	1/2"	3 35/64"	1 1/4"	.09

## Sound Characteristics – Pneumatic Silencers / Mufflers

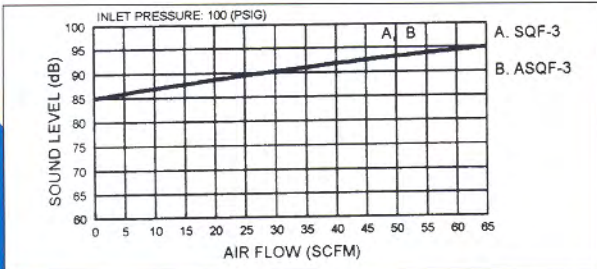
**SQF-1 & ASQF-1**  
dB Rating vs. Air Flow



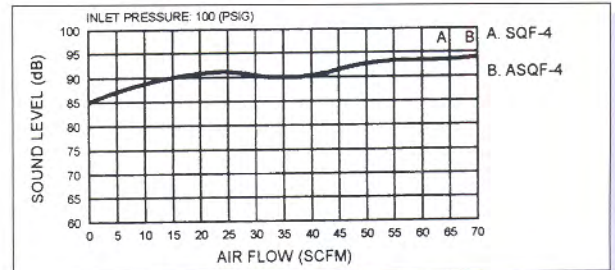
**SQF-2 & ASQF-2**  
dB Rating vs. Air Flow



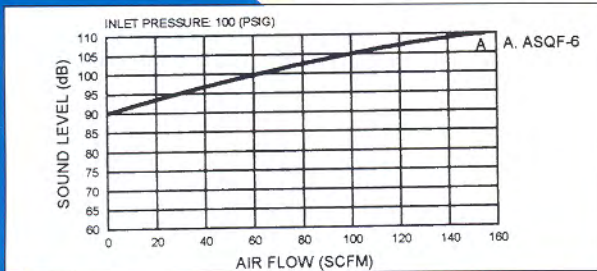
**SQF-3 & ASQF-3**  
dB Rating vs. Air Flow



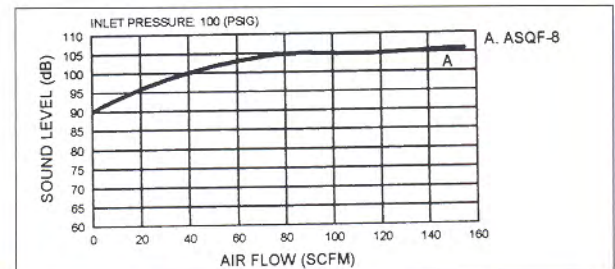
**SQF-4 & ASQF-4**  
dB Rating vs. Air Flow



**ASQF-6**  
dB Rating vs. Air Flow



**ASQF-8**  
dB Rating vs. Air Flow



# SUPER QUIET FLOW HEAVY-DUTY METAL PNEUMATIC SILENCER MUFFLERS



Units 1/8" through 1" feature a 50 mesh, self-cleaning, stainless steel screen, corrosion-resistant aluminum shell, high flow and minimal back pressure.

When installed on the exhaust ports of pneumatic valves, metal pneumatic silencers are a quick and inexpensive way to help reduce work area noise. At the same time, they protect the inside of pneumatic valves from contamination which can enter through the exhaust ports.

See performance charts for flow information and sound characteristics.

**SHELL CONSTRUCTION:** Aluminum.

Maximum supply pressure: 300 PSI

Operating temperatures: 35°F to 160°F

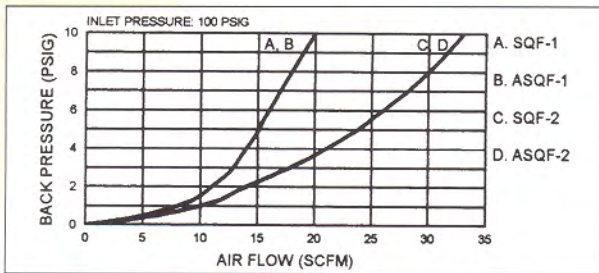
**CAUTION:** Operation at temperatures approaching 32°F could result in freeze up due to air line moisture.

Part No.	NPT Female	Overall Length	Flats	Weight Lbs.
ASQF-1F	1/8"	1 7/8"	5/8"	.05
ASQF-2F	1/4"	1 7/8"	5/8"	.06
ASQF-3F	3/8"	3 1/4"	1"	.23
ASQF-4F	1/2"	3 1/4"	1"	.38
ASQF-6F	3/4"	4 5/8"	1 5/8"	.56
ASQF-8F	1"	4 5/8"	1 5/8"	.58
ASQF-10F	1 1/4"	5 1/2"	2 1/2"	.75
ASQF-12F	1 1/2"	5 1/2"	2 1/2"	.81
ASQF-16F	2"	6 7/16"	3"	1.62

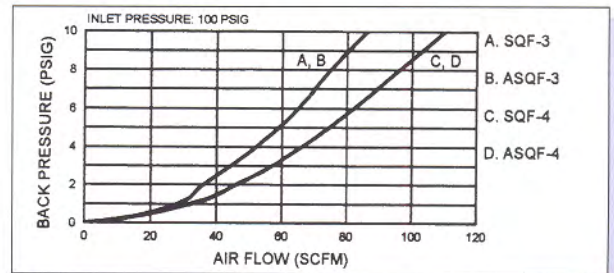
Part No.	NPT Male	Overall Length	Flats	Weight Lbs.
ASQF-1M	1/8"	1 7/8"	5/8"	.06
ASQF-2M	1/4"	1 7/8"	5/8"	.06
ASQF-3M	3/8"	3 1/4"	1"	.21
ASQF-4M	1/2"	3 1/4"	1"	.23
ASQF-6M	3/4"	4 5/8"	1 5/8"	.56
ASQF-8M	1"	4 5/8"	1 5/8"	.58

## Flow Characteristics – Pneumatic Silencers / Mufflers

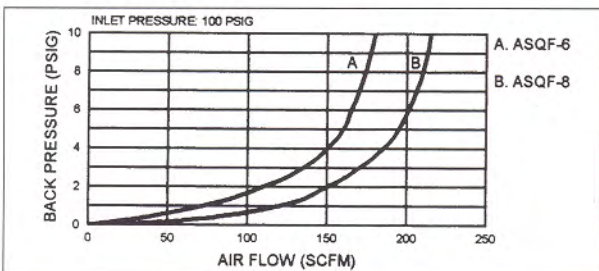
**SQF-1, SQF-2, ASQF-1 & ASQF-2**  
Back Pressure vs. Air Flow



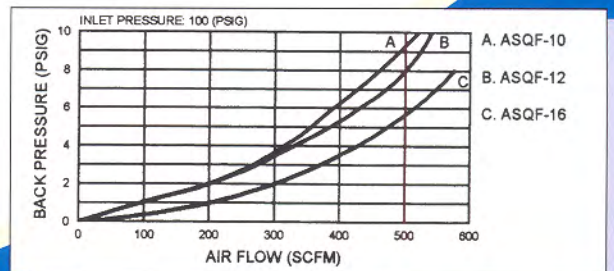
**SQF-3, SQF-4, ASQF-3 & ASQF-4**  
Back Pressure vs. Air Flow



**ASQF-6 & ASQF-8**  
Back Pressure vs. Air Flow



**ASQF-10, ASQF-12 & ASQF-16**  
Back Pressure vs. Air Flow



# SUPER QUIET FLOW RECLASSIFIERS/ MUFFLERS

The reclassifier / muffler is used to treat exhaust air in many in-plant and white room pneumatic operations. It can be installed as a completely new unit or its patented coalescing reclassifier element can be purchased separately for installation on existing ASQF mufflers.

*Meets OSHA limits set to reduce sound levels and exhausted oil mist.*

Per OSHA 1910.95, a worker must not be exposed to sound levels above 90 dBA for any eight-hour work shift of a 40-hour work week. Per OSHA 29CFR 1910.10, a worker's cumulative exposure to oil mist must not exceed 4.32 particles per million (PPM) in any eight-hour work shift of a 40-hour work week. Based on an intake of 50 PPM at 100 PSIG, the reclassifier / muffler reduces the exhausted oil mist to .015 PPM. The reservoir has a drain plug that is also designed for use with continuous 1/4" drain tubing.



**PATENTED**  
Used Reclassifier  
Element Removes -  
Muffler Stays in Place

**PATENTED WRAP  
DESIGN**

Maximum operating conditions: 160 SCFM, 300 PSIG  
Maximum operating temperature: 160°F

## RECLASSIFIER / MUFFLER

Part No.*	NPT	Overall Length	Width	Reservoir Capacity	Weight Lbs.
RQM20-1M					
RQM20-1F	1/8"	3 1/8"	1 5/8"	.5 oz.	.075
RQM20-2M					
RQM20-2F	1/4"	3 1/8"	1 5/8"	.5 oz.	.075
RQM40-3M					
RQM40-3F	3/8"	4 3/4"	2 7/16"	1.4 oz.	.220
RQM40-4M					
RQM40-4F	1/2"	4 3/4"	2 7/16"	1.4 oz.	.220
RQM80-6M					
RQM80-6F	3/4"	6 1/4"	3 5/16"	3.5 oz.	.575
RQM80-8F	1"	6 1/4"	3 5/16"	3.5 oz.	.575
RQM80-8F					

\* Suffix designates F female thread, M male thread

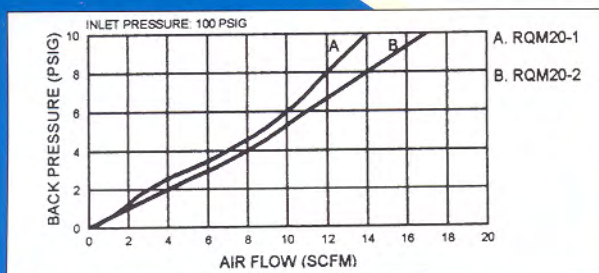
## RECLASSIFIER REPLACEMENT ELEMENT

Part No.	Overall Length	Width	Weight Lbs.
RQMK20			
RQMK20	2 3/4"	1 5/8"	.04
RQMK20	2 3/4"	1 5/8"	.04
RQMK20	2 3/4"	1 5/8"	.04
RQMK40	4 5/16"	2 7/16"	.10
RQMK40	4 5/16"	2 7/16"	.10
RQMK40	4 5/16"	2 7/16"	.10
RQMK80	5 1/2"	3 5/16"	.21
RQMK80	5 1/2"	3 5/16"	.21
RQMK80	5 1/2"	3 5/16"	.21
RQMK80	5 1/2"	3 5/16"	.21

## Flow Characteristics – Reclassifiers / Mufflers

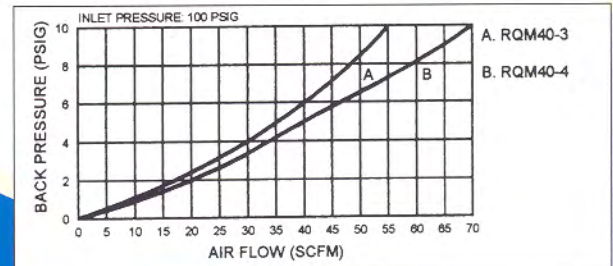
### RQM20-1 & RQM20-2

Back Pressure vs.  
Air Flow



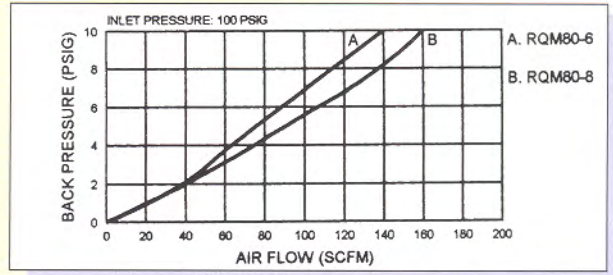
### RQM40-3 & RQM40-4

Back Pressure vs.  
Air Flow



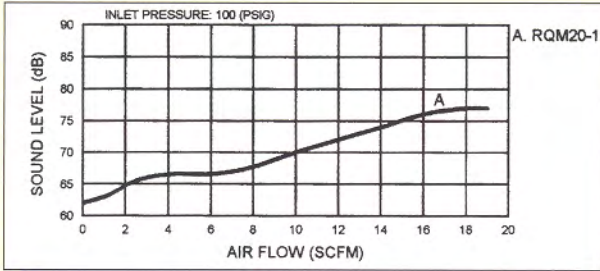
# Flow Characteristics Reclassifiers / Mufflers (continued)

## RQM80-6 & RQM80-8 Back Pressure vs. Air Flow

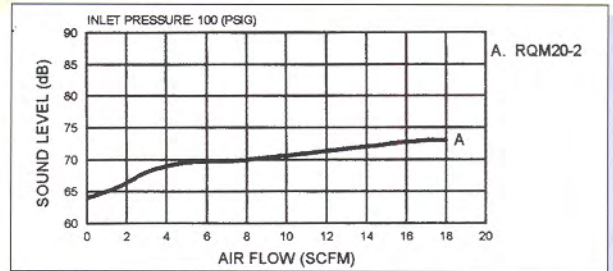


# Sound Characteristics Reclassifiers / Mufflers

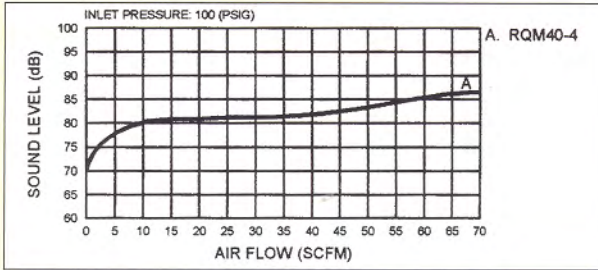
**RQM20-1**  
dB Rating vs. Air Flow



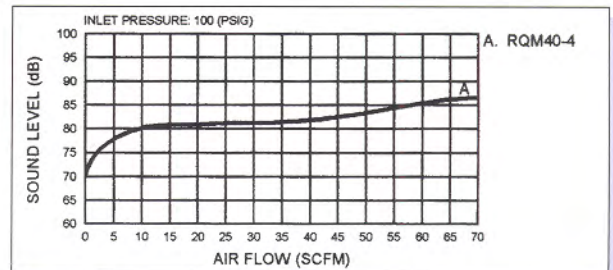
**RQM20-2**  
dB Rating vs. Air Flow



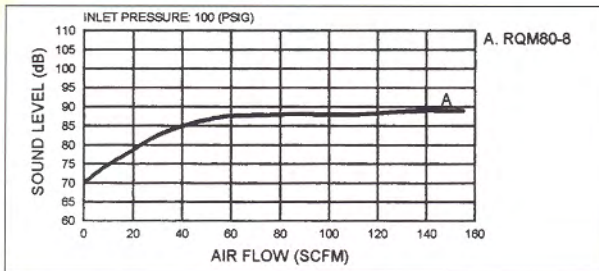
**RQM40-3**  
dB Rating vs. Air Flow



**RQM40-4**  
dB Rating vs. Air Flow



**RQM80-6**  
dB Rating vs. Air Flow



**RQM80-8**  
dB Rating vs. Air Flow

