

Comfort Systems USA (Arkansas), Inc.
P.O. Box 16620
Little Rock, AR 72231
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Date: 07/14/2026
Return Request: 08/11/2026
Project: Highlands Building at Pinnacle Hills
Supplier: Comfort Systems USA
Manufacturer: Various
Submittal: Duct Silencers
Submittal Number: 23 33 19-01
Drawing # and Installation: Mechanical

ARCHITECT

Crafton Tull
Fayetteville, Ar

ENGINEER

IMEG

GENERAL CONTRACTOR

Clark Contractors
Rogers, Ar

MECHANICAL SUBCONTRACTOR

Comfort Systems USA (Arkansas), Inc.
116 Commercial Ave.
Lowell, AR 72745
(479) 770.8992

NOTES:

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CSUSA PROJECT NO.
26-5034

jzuber@comfortar.com

Submittal

JOB NAME	Highlands Building at Pinnacle Hills Rogers
JOB NUMBER	26ADCA0017-1
PRODUCT	Duct Silencers
MANUFACTURER	Vibro-Acoustics
LOCATION	Rogers, AR
DATE	June 25, 2026
SPECIFICATION	23 33 19 (not provided), Sheet M-604 (schedule)
LEAD TIME	5 Weeks
ENGINEER	IMEG
CONTRACTOR	Knight & Wilson
SUBMITTED BY	Chris Atwood

TRANSMITTAL

File No: F-TR-007

Date: 22 Sep 2025

Supersedes: F-TR-006

Date: 13 Aug 2013

Company Powers of Arkansas		Project Name Highlands Building at Pinnacle Hills Rogers 1204079c	Transmittal Rev # 0
Address 1219 Wagon Wheel Road Springdale, Arkansas 72764-7906 USA		Your P.O. #	V-A Order #
		V-A Project Manager Yutat Chan	Phone # 437-423-0530
Attention	Date Sent Jun 15, 2026	Submitted For: Approval	

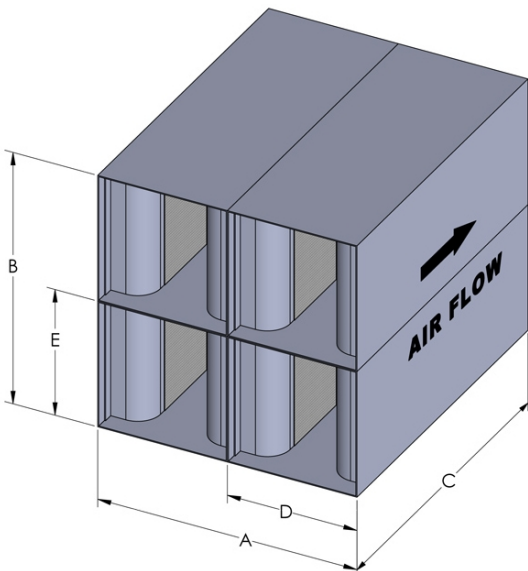
TAG	DRAWING # / DOC NAME	PRODUCT / DESCRIPTION
RTU-1-SA	A800216-1 / Rev 0	RD-HV
RTU-1-RA	A800216-2 / Rev 0	RD-MHV
RTU-2-RA	A800216-3 / Rev 0	RD-HV
RTU-2-SA	A800216-4 / Rev 0	RD-HV

QTY: 1		TAG: RTU-1-SA	
Submitted for	Dwg # A800216-1	Rev # 0	Rev Date Jun 15, 2026
Project Highlands Building at Pinnacle Hills Rogers 1204079c		Customer Powers of Arkansas	Customer P.O. Number
V-A Project Number: A800216	V-A Project Manager Yutat Chan	Consultant	

Performance for Model RD-HV-FH															
Airflow		Velocity		Pressure Drop		Pressure Drop w/ System Effects*		Dynamic Insertion Loss (dB)							
								Generated Noise (dB)							
CFM	(L/s)	FPM	(m/s)	in.w.g.	(Pa)	in.w.g.	(Pa)	63 Hz	125 Hz	250 Hz	500 Hz	1kHz	2kHz	4kHz	8kHz
66000	31150	1941	9.9	0.16	39	N/A	N/A	6	14	20	21	18	11	10	9
								68	63	57	56	57	59	52	41

Silencer performance data has been obtained from tests conducted in a laboratory facility NVLAP accredited for ASTM E477-20 test standard.

*Duct configuration must be known upstream and downstream of the silencer to determine pressure drop with system effects.

Dimensions and Weights							
							
Silencer Size (in/mm)			Total Wt (lb/kg)	Shipping Sections (same as silencer size if blank)			
A	B	C		QTY	D	E	C
136	36	84	730	3	45.33	36	84

Construction		
Casing	22 Ga (0.86mm) Galvanized Steel	
Perforated Liner	22 Ga (0.86mm) Galvanized Steel	
Media Fill	Acoustic Grade Glass Fiber	
Media Protection	None	
End Connections	Slip: 2" (51mm)	
Accessories	None	
Ratings		
Pressure Rating	8 in. W.G. (1992 Pa)	
Combustion Rating (ASTM E84 or CAN/ULC S102)	Flamespread classification	< 25
	Smoke development rating	< 50
Notes		
1 Customer to confirm all dimensions. 2 Silencer construction meets applicable requirements of SMACNA Duct Construction Standards, ASHRAE 62.1, UL181, ASTM C1071, NFPA 90A and NFPA 90B. 3 Lubricants and sealants used during manufacturing may contain silicone. 4 Gauges and thicknesses are based on SMACNA standard nominal and will vary within prescribed tolerances.		
MORE INFORMATION Dissipative Straight Silencers NVLAP Accreditation		

QTY: 1		TAG: RTU-1-RA	
Submitted for		Dwg # A800216-2	Rev # 0
Project Highlands Building at Pinnacle Hills Rogers 1204079c		Rev Date Jun 15, 2026	Customer Powers of Arkansas
V-A Project Number: A800216		V-A Project Manager Yutat Chan	Customer P.O. Number
		Consultant	

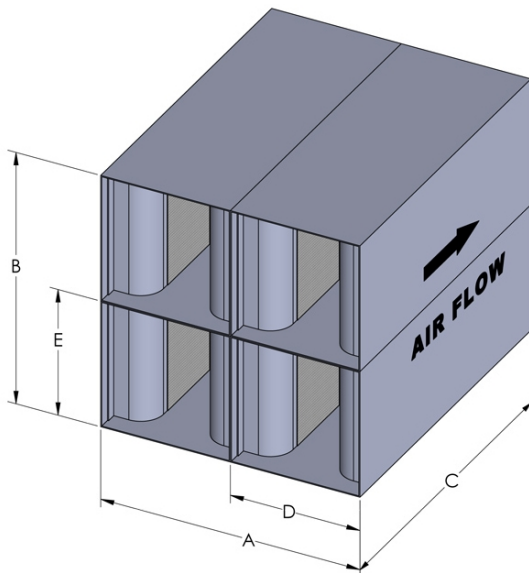
Performance for Model RD-MHV-FH

Airflow		Velocity		Pressure Drop		Pressure Drop w/ System Effects*		Dynamic Insertion Loss (dB)							
								Generated Noise (dB)							
CFM	(L/s)	FPM	(m/s)	in.w.g.	(Pa)	in.w.g.	(Pa)	63 Hz	125 Hz	250 Hz	500 Hz	1kHz	2kHz	4kHz	8kHz
-66000	-31150	-1697	-8.6	0.23	58	N/A	N/A	7	14	22	22	20	13	10	9
								62	58	56	57	61	58	46	35

Silencer performance data has been obtained from tests conducted in a laboratory facility NVLAP accredited for ASTM E477-20 test standard.

*Duct configuration must be known upstream and downstream of the silencer to determine pressure drop with system effects.

Dimensions and Weights



Silencer Size (in/mm)			Total Wt (lb/kg)	Shipping Sections (same as silencer size if blank)			
A	B	C		QTY	D	E	C
140	40	72	695	3	46.67	40	72

Construction

Casing	22 Ga (0.86mm) Galvanized Steel
Perforated Liner	22 Ga (0.86mm) Galvanized Steel
Media Fill	Acoustic Grade Glass Fiber
Media Protection	None
End Connections	Slip: 2" (51mm)
Accessories	None

Ratings

Pressure Rating	8 in. W.G. (1992 Pa)	
Combustion Rating (ASTM E84 or CAN/ULC S102)	Flamespread classification	< 25
	Smoke development rating	< 50

Notes

- Customer to confirm all dimensions.
- Silencer construction meets applicable requirements of SMACNA Duct Construction Standards, ASHRAE 62.1, UL181, ASTM C1071, NFPA 90A and NFPA 90B.
- Lubricants and sealants used during manufacturing may contain silicone.
- Gauges and thicknesses are based on SMACNA standard nominal and will vary within prescribed tolerances.

MORE INFORMATION

[Dissipative Straight Silencers](#)
[NVLAP Accreditation](#)

QTY: 1		TAG: RTU-2-RA	
Submitted for	Dwg # A800216-3	Rev # 0	Rev Date Jun 15, 2026
Project Highlands Building at Pinnacle Hills Rogers 1204079c		Customer Powers of Arkansas	Customer P.O. Number
V-A Project Number: A800216	V-A Project Manager Yutat Chan	Consultant	

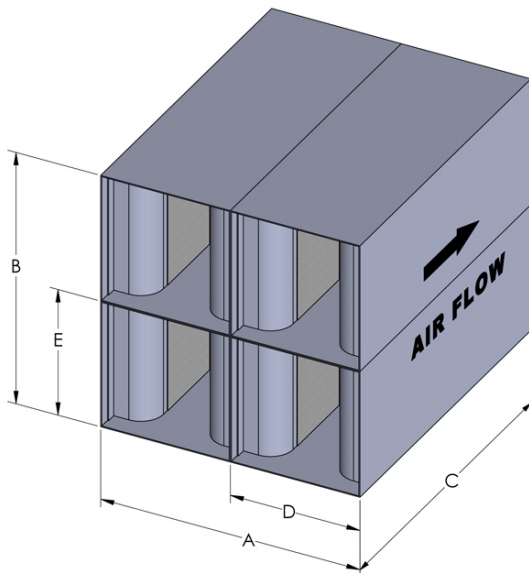
Performance for Model RD-HV-FE

Airflow		Velocity		Pressure Drop		Pressure Drop w/ System Effects*		Dynamic Insertion Loss (dB)							
								Generated Noise (dB)							
CFM	(L/s)	FPM	(m/s)	in.w.g.	(Pa)	in.w.g.	(Pa)	63 Hz	125 Hz	250 Hz	500 Hz	1kHz	2kHz	4kHz	8kHz
-66000	-31150	-1948	-9.9	0.24	59	N/A	N/A	7	18	29	28	27	18	13	12
								66	63	62	61	62	63	56	46

Silencer performance data has been obtained from tests conducted in a laboratory facility NVLAP accredited for ASTM E477-20 test standard.

*Duct configuration must be known upstream and downstream of the silencer to determine pressure drop with system effects.

Dimensions and Weights



Silencer Size (in/mm)			Total Wt (lb/kg)	Shipping Sections (same as silencer size if blank)			
A	B	C		QTY	D	E	C
122	40	108	935	3	40.67	40	108

Construction

Casing	22 Ga (0.86mm) Galvanized Steel
Perforated Liner	22 Ga (0.86mm) Galvanized Steel
Media Fill	Acoustic Grade Glass Fiber
Media Protection	None
End Connections	Slip: 2" (51mm)
Accessories	None

Ratings

Pressure Rating	8 in. W.G. (1992 Pa)	
Combustion Rating (ASTM E84 or CAN/ULC S102)	Flamespread classification	< 25
	Smoke development rating	< 50

Notes

- Customer to confirm all dimensions.
- Silencer construction meets applicable requirements of SMACNA Duct Construction Standards, ASHRAE 62.1, UL181, ASTM C1071, NFPA 90A and NFPA 90B.
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MORE INFORMATION

[Dissipative Straight Silencers](#)
[NVLAP Accreditation](#)

QTY: 1		TAG: RTU-2-SA	
Submitted for	Dwg # A800216-4	Rev # 0	Rev Date Jun 15, 2026
Project Highlands Building at Pinnacle Hills Rogers 1204079c		Customer Powers of Arkansas	Customer P.O. Number
V-A Project Number: A800216	V-A Project Manager Yutat Chan	Consultant	

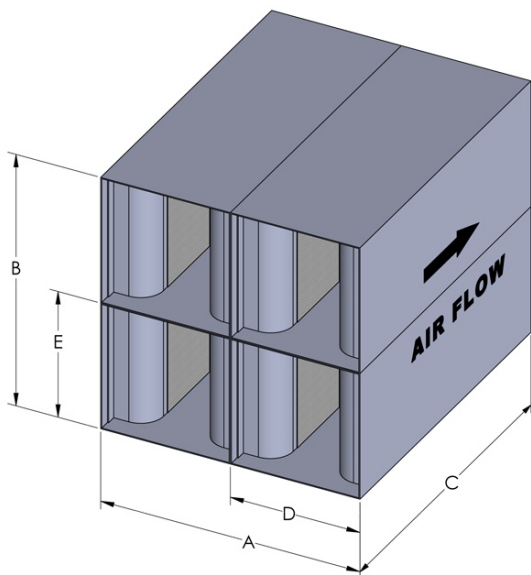
Performance for Model RD-HV-FH

Airflow		Velocity		Pressure Drop		Pressure Drop w/ System Effects*		Dynamic Insertion Loss (dB)							
								Generated Noise (dB)							
CFM	(L/s)	FPM	(m/s)	in.w.g.	(Pa)	in.w.g.	(Pa)	63 Hz	125 Hz	250 Hz	500 Hz	1kHz	2kHz	4kHz	8kHz
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								68	63	57	56	57	59	52	41

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Dimensions and Weights



Silencer Size (in/mm)			Total Wt (lb/kg)	Shipping Sections (same as silencer size if blank)			
A	B	C		QTY	D	E	C
136	36	84	730	3	45.33	36	84

Construction

Casing	22 Ga (0.86mm) Galvanized Steel
Perforated Liner	22 Ga (0.86mm) Galvanized Steel
Media Fill	Acoustic Grade Glass Fiber
Media Protection	None
End Connections	Slip: 2" (51mm)
Accessories	None

Ratings

Pressure Rating	8 in. W.G. (1992 Pa)	
Combustion Rating (ASTM E84 or CAN/ULC S102)	Flamespread classification	< 25
	Smoke development rating	< 50

Notes

- Customer to confirm all dimensions.
- Silencer construction meets applicable requirements of SMACNA Duct Construction Standards, ASHRAE 62.1, UL181, ASTM C1071, NFPA 90A and NFPA 90B.
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