



VAPOR BARRIER

- The Quietflex Rip Stop Silver Jacket Flex Duct has a metalized polyester-vapor barrier with a special "rip stop" scrim reinforcement.
- Vapor Transmission: at or below 0.05 perms

FIBERGLASS

- R8 certified by UL and the Air Diffusion Council using ASTM C-518 at installed thickness of insulation
- Made of formaldehyde free materials

CORE

- Micro perforated core constructed with a galvanized wire helix
- Rated positive pressure is 4" W.C. and negative pressure is 1/2" W.C. per the UL 181 standard
- Rated maximum air velocity is 3000 FPM

SURFACE BURNING CHARACTERISTICS

- Flame spread: Less than 25
- Smoke developed: Less than 50

OPERATING TEMPERATURE RANGE

- -20 deg F to 180 deg F - Continuous
- -20 deg F to 200 deg F - Intermittent

CONFIGURATIONS

- Diameters available: 4"-10", 12", 14", 16" and 18"
- Lengths available: 25 ft with no collars and 7ft with a universal collar on either end of flex duct

APPROVALS

- UL Listed/ Meets all UL181 test requirements
- NFPA standards 90A and 90B
- Meets most federal, state and local codes and standards

Made in the USA

Job Name		Submitter:		Date:	
Location					Class 1 Insulated Flexible Air Duct Metalized Polyester vapor barrier/ QASFlex
Contractor					
Engineer					
Architect					
					QFSD-011-01



QAS OR QASC Series 125 R8

ACOUSTICAL PROPERTIES OF ACOUSTIC FLEX DUCT IN STRAIGHT POSITION

INSERTION LOSS (dB) IN FORWARD FLOW CONDITIONS FOR 10 FEET LENGTH

Model #	Center Freq (Hz)	63	125	250	500	1000	2000	4000	8000
6" Diameter Flex	0 FPM	12	30	36	41	43	47	48	41
	400 FPM	12	30	37	42	43	47	49	>42
	1000 FPM	12	30	37	42	43	47	49	>45
	2000 FPM	12	>30	>36	>38	>39	>43	>50	>45
	2500 FPM	>11	>28	>29	>33	>33	>38	>46	>42
	3000 FPM	>10	>27	>26	>28	>28	>33	>40	>37
8" Diameter Flex	0 FPM	17	30	35	43	41	44	38	32
	400 FPM	18	30	35	43	41	44	38	32
	1000 FPM	17	30	35	43	41	44	40	34
	2000 FPM	16	31	>35	>39	>41	44	42	39
	2500 FPM	16	>30	>34	>34	>39	>43	>43	>42
	3000 FPM	>15	>28	>29	>30	>33	>38	>41	>35
12" Diameter Flex	0 FPM	22	28	26	32	37	37	28	28
	400 FPM	22	28	26	32	37	38	30	29
	1000 FPM	21	28	25	32	37	38	31	31
	2000 FPM	>18	28	27	32	37	39	32	35
	2500 FPM	>15	>28	27	>32	37	39	33	>37
	3000 FPM	>13	>24	>27	>27	>35	>40	>34	>33

Note: Insertion loss data denoted with a (>) sign has been corrected to take into consideration the effect of the generated sound pressure level approaching the sound pressure level obtained during the insertion loss portion of the test. In some cases, the insertion loss may be higher than shown.

RADIATED NOISE REDUCTION FOR 10 FT LENGTH

Model #	Center Freq (Hz)	63	125	250	500	1000	2000	4000	8000
6" Diameter Flex	0 FPM	1	2	3	5	8	10	12	17
	2500 FPM	2	4	5	6	8	10	12	17
8" Diameter Flex	0 FPM	2	2	3	5	7	8	12	17
	2500 FPM	3	2	4	5	7	9	11	17
12" Diameter Flex	0 FPM	1	2	3	4	6	8	11	17
	2500 FPM	2	4	4	5	6	8	11	17

AIRFLOW GENERATED SOUND POWER LEVEL (dB re: 10⁻¹² W) FWD FLOW CONDITIONS FOR 10 FT LENGTH

Model #	Center Freq (Hz)	63	125	250	500	1000	2000	4000	8000
6" Diameter Flex	400 FPM	66*	49*	37*	25*	20*	16*	20*	24*
	1000 FPM	66*	50*	38*	28*	22*	16*	20*	24*
	2000 FPM	75	63	55	47	42	36	28	24*
	2500 FPM	79	67	60	53	48	42	36	31
	3000 FPM	82	71	64	58	53	47	42	39
8" Diameter Flex	400 FPM	64*	46*	37*	24*	20*	16*	20*	24*
	1000 FPM	64*	47*	37*	28*	21*	17*	20*	24*
	2000 FPM	71	59	52	48	42	35	30	25*
	2500 FPM	76	64	57	54	48	41	38	34
12" Diameter Flex	3000 FPM	81	70	61	59	53	46	44	43
	400 FPM	61*	46*	35*	23*	20*	17*	20*	24*
	1000 FPM	61*	46*	36*	25*	21*	18*	20*	24*
	2000 FPM	77	65	55	48	41	37	38	37
	2500 FPM	83	70	61	55	48	43	44	45
3000 FPM	87	76	66	61	54	49	49	51	

Note: Sound power level data denoted with an asterisk (*) has reached ambient levels in the test room or is determined by instrument limitations. Actual levels are less than or equal to the levels indicated.

This data was derived by testing in accordance with ASTM E477 and the ADC test Code FD 72-R1.