



Accel II Airflow Control Valves  
**MEDIUM PRESSURE EXHAUST/RETURN**  
Sound Power Level Data

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## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves Exhaust/Return Sound Power Level Performance Data Size 08

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
50	25	85	0.60	150	38	33	31	31	24	< 20
100	45	170	0.60	150	43	38	32	32	25	< 20
150	70	250	0.60	150	46	40	33	33	29	20
200	95	340	0.60	150	48	42	36	36	32	24
250	120	420	0.60	150	49	45	39	38	34	26
300	140	510	0.60	150	52	48	43	43	37	30
350	160	590	0.60	150	54	50	46	47	40	33
400	190	680	0.60	150	55	53	48	49	41	35
450	210	760	0.60	150	56	55	51	52	43	37
500	230	850	0.60	150	57	56	53	54	45	38
600	280	1000	0.60	150	58	57	54	57	47	41
700	330	1200	0.60	150	59	58	56	59	48	43

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
50	25	85	2.00	500	41	37	36	38	42	38
100	45	170	2.00	500	46	43	45	44	43	39
150	70	250	2.00	500	49	48	48	45	44	40
200	95	340	2.00	500	52	52	49	46	45	41
250	120	420	2.00	500	54	54	51	47	46	42
300	140	510	2.00	500	56	56	52	49	48	43
350	160	590	2.00	500	58	57	54	52	49	44
400	190	680	2.00	500	60	59	57	54	51	46
450	210	760	2.00	500	61	61	59	57	52	47
500	230	850	2.00	500	63	62	61	60	54	48
600	280	1000	2.00	500	66	65	66	64	56	50
700	330	1200	2.00	500	69	68	69	68	59	53

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
50	25	85	1.00	250	39	34	34	36	35	26
100	45	170	1.00	250	44	41	40	37	36	27
150	70	250	1.00	250	47	44	41	38	37	29
200	95	340	1.00	250	50	46	43	39	38	31
250	120	420	1.00	250	52	50	45	41	39	33
300	140	510	1.00	250	54	51	47	45	41	35
350	160	590	1.00	250	56	54	51	49	43	37
400	190	680	1.00	250	58	55	53	52	45	39
450	210	760	1.00	250	59	57	55	55	47	41
500	230	850	1.00	250	60	59	57	57	49	42
600	280	1000	1.00	250	64	63	59	60	51	44
700	330	1200	1.00	250	65	65	62	64	54	47

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
50	25	85	2.50	625	43	39	37	39	45	41
100	45	170	2.50	625	47	44	46	45	46	42
150	70	250	2.50	625	50	49	50	47	47	43
200	95	340	2.50	625	53	53	51	48	48	44
250	120	420	2.50	625	55	55	53	49	49	45
300	140	510	2.50	625	57	57	55	51	50	46
350	160	590	2.50	625	59	59	56	53	51	47
400	190	680	2.50	625	61	60	58	55	52	48
450	210	760	2.50	625	62	62	61	58	54	49
500	230	850	2.50	625	64	64	63	61	56	50
600	280	1000	2.50	625	67	66	67	65	58	52
700	330	1200	2.50	625	70	69	71	69	61	55

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
50	25	85	1.50	375	40	35	35	37	39	34
100	45	170	1.50	375	45	42	43	41	40	35
150	70	250	1.50	375	48	47	44	42	41	36
200	95	340	1.50	375	51	50	46	43	42	37
250	120	420	1.50	375	53	52	48	45	43	38
300	140	510	1.50	375	55	53	50	47	44	39
350	160	590	1.50	375	57	56	53	50	46	41
400	190	680	1.50	375	59	57	55	53	48	42
450	210	760	1.50	375	60	59	58	56	49	44
500	230	850	1.50	375	62	61	60	59	51	45
600	280	1000	1.50	375	65	64	63	63	54	47
700	330	1200	1.50	375	68	67	66	66	57	51

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
50	25	85	3.00	750	44	40	39	40	46	43
100	45	170	3.00	750	48	45	47	46	47	44
150	70	250	3.00	750	51	50	51	48	48	45
200	95	340	3.00	750	54	54	53	50	49	46
250	120	420	3.00	750	56	56	55	51	50	47
300	140	510	3.00	750	58	58	57	53	51	48
350	160	590	3.00	750	60	60	58	55	53	49
400	190	680	3.00	750	62	61	60	57	54	50
450	210	760	3.00	750	63	63	62	59	56	51
500	230	850	3.00	750	65	65	64	62	58	52
600	280	1000	3.00	750	68	67	68	66	60	54
700	330	1200	3.00	750	71	70	72	70	62	57

**Notes**

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves Exhaust/Return Sound Power Level Performance Data Size 08 With Neutralizer

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
50	25	85	0.60	150	38	33	30	< 20	< 20	< 20
100	45	170	0.60	150	43	38	32	< 20	< 20	< 20
150	70	250	0.60	150	46	40	33	< 20	< 20	< 20
200	95	340	0.60	150	48	42	36	< 20	< 20	< 20
250	120	420	0.60	150	49	45	39	24	21	< 20
300	140	510	0.60	150	52	48	43	29	25	24
350	160	590	0.60	150	54	50	46	33	28	27
400	190	680	0.60	150	55	53	48	36	31	29
450	210	760	0.60	150	56	55	51	40	34	31
500	230	850	0.60	150	57	56	53	43	37	33
600	280	1000	0.60	150	58	57	54	45	40	35
700	330	1200	0.60	150	59	58	56	47	42	37

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
50	25	85	2.00	500	41	37	33	23	30	31
100	45	170	2.00	500	46	43	42	26	31	32
150	70	250	2.00	500	49	48	44	27	32	33
200	95	340	2.00	500	52	52	46	28	33	34
250	120	420	2.00	500	54	54	48	30	34	35
300	140	510	2.00	500	56	56	50	33	35	36
350	160	590	2.00	500	58	57	53	37	37	37
400	190	680	2.00	500	60	59	55	40	38	38
450	210	760	2.00	500	61	61	58	43	40	39
500	230	850	2.00	500	63	62	60	47	42	40
600	280	1000	2.00	500	66	65	63	52	47	43
700	330	1200	2.00	500	69	68	66	55	50	46

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
50	25	85	1.00	250	39	34	31	18	22	< 20
100	45	170	1.00	250	44	41	36	19	23	< 20
150	70	250	1.00	250	47	44	38	20	24	21
200	95	340	1.00	250	50	46	41	23	25	23
250	120	420	1.00	250	52	50	43	26	26	25
300	140	510	1.00	250	54	51	46	30	28	27
350	160	590	1.00	250	56	54	50	35	32	31
400	190	680	1.00	250	58	55	52	38	34	33
450	210	760	1.00	250	59	57	53	41	36	34
500	230	850	1.00	250	60	59	56	45	39	36
600	280	1000	1.00	250	64	63	58	49	43	39
700	330	1200	1.00	250	65	65	61	52	47	42

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
50	25	85	2.50	625	43	39	34	24	32	33
100	45	170	2.50	625	47	44	43	28	33	34
150	70	250	2.50	625	50	49	46	29	34	35
200	95	340	2.50	625	53	53	48	30	35	36
250	120	420	2.50	625	55	55	51	32	36	37
300	140	510	2.50	625	57	57	52	35	37	38
350	160	590	2.50	625	59	59	54	38	38	39
400	190	680	2.50	625	61	60	56	41	40	40
450	210	760	2.50	625	62	62	59	44	42	41
500	230	850	2.50	625	64	64	61	48	44	42
600	280	1000	2.50	625	67	66	65	53	48	45
700	330	1200	2.50	625	70	69	68	56	51	48

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
50	25	85	1.50	375	40	35	32	22	27	26
100	45	170	1.50	375	45	42	40	23	28	27
150	70	250	1.50	375	48	47	41	24	29	28
200	95	340	1.50	375	51	50	44	25	30	29
250	120	420	1.50	375	53	52	46	28	31	30
300	140	510	1.50	375	55	53	48	32	32	31
350	160	590	1.50	375	57	56	52	36	34	34
400	190	680	1.50	375	59	57	53	39	36	35
450	210	760	1.50	375	60	59	56	42	38	36
500	230	850	1.50	375	62	61	58	46	41	38
600	280	1000	1.50	375	65	64	61	51	45	42
700	330	1200	1.50	375	68	67	64	54	49	45

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
50	25	85	3.00	750	44	40	35	25	34	35
100	45	170	3.00	750	48	45	44	29	35	36
150	70	250	3.00	750	51	50	48	31	36	37
200	95	340	3.00	750	54	54	50	32	37	38
250	120	420	3.00	750	56	56	52	34	38	39
300	140	510	3.00	750	58	58	54	36	39	40
350	160	590	3.00	750	60	60	56	39	40	41
400	190	680	3.00	750	62	61	58	42	42	42
450	210	760	3.00	750	63	63	60	45	43	43
500	230	850	3.00	750	65	65	62	49	45	44
600	280	1000	3.00	750	68	67	66	54	49	46
700	330	1200	3.00	750	71	70	69	57	52	49

**Notes**

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves Exhaust/Return Sound Power Level Performance Data Size 10

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
100	45	170	0.60	150	38	36	36	36	31	21
200	95	340	0.60	150	46	42	38	37	32	25
300	140	510	0.60	150	51	45	40	40	37	31
400	190	680	0.60	150	55	47	42	44	41	36
500	230	850	0.60	150	58	49	44	46	44	39
600	280	1000	0.60	150	60	52	47	50	47	45
700	330	1200	0.60	150	62	54	49	52	48	47
800	380	1350	0.60	150	63	55	52	54	50	49
900	420	1500	0.60	150	64	57	54	56	52	51
1000	470	1700	0.60	150	65	58	55	57	54	53

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
100	45	170	2.00	500	42	44	42	45	47	45
200	95	340	2.00	500	49	50	47	47	48	46
300	140	510	2.00	500	54	55	50	50	49	47
400	190	680	2.00	500	58	59	53	54	51	48
500	230	850	2.00	500	62	61	55	57	55	51
600	280	1000	2.00	500	66	63	57	59	57	53
700	330	1200	2.00	500	68	65	59	61	59	54
800	380	1350	2.00	500	71	67	61	63	60	55
900	420	1500	2.00	500	74	69	64	66	62	57
1000	470	1700	2.00	500	76	71	69	68	63	58

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
100	45	170	1.00	250	40	41	40	42	37	28
200	95	340	1.00	250	47	47	42	43	38	32
300	140	510	1.00	250	52	49	44	45	42	37
400	190	680	1.00	250	56	52	47	48	46	41
500	230	850	1.00	250	60	54	49	51	49	45
600	280	1000	1.00	250	64	57	51	53	50	47
700	330	1200	1.00	250	66	59	54	56	52	49
800	380	1350	1.00	250	69	61	57	59	54	50
900	420	1500	1.00	250	70	62	59	60	55	52
1000	470	1700	1.00	250	71	64	60	62	57	54

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
100	45	170	2.50	625	44	45	43	46	49	48
200	95	340	2.50	625	50	51	49	49	50	49
300	140	510	2.50	625	55	56	52	52	51	50
400	190	680	2.50	625	59	60	55	56	54	52
500	230	850	2.50	625	63	63	57	59	56	53
600	280	1000	2.50	625	67	66	59	61	59	55
700	330	1200	2.50	625	69	67	61	63	62	57
800	380	1350	2.50	625	72	68	62	64	63	58
900	420	1500	2.50	625	75	71	65	67	64	59
1000	470	1700	2.50	625	77	73	70	69	65	60

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
100	45	170	1.50	375	41	43	41	44	44	37
200	95	340	1.50	375	48	49	45	45	45	38
300	140	510	1.50	375	53	54	48	48	46	42
400	190	680	1.50	375	57	57	50	52	49	45
500	230	850	1.50	375	61	58	52	54	52	48
600	280	1000	1.50	375	65	60	55	57	55	50
700	330	1200	1.50	375	67	62	57	59	56	51
800	380	1350	1.50	375	70	65	60	62	57	53
900	420	1500	1.50	375	73	66	63	64	59	54
1000	470	1700	1.50	375	74	68	66	66	61	56

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
100	45	170	3.00	750	45	47	44	47	51	50
200	95	340	3.00	750	51	52	51	50	52	51
300	140	510	3.00	750	56	57	54	53	53	52
400	190	680	3.00	750	60	61	56	57	55	53
500	230	850	3.00	750	64	64	58	60	58	54
600	280	1000	3.00	750	68	67	60	63	61	57
700	330	1200	3.00	750	70	69	62	65	63	59
800	380	1350	3.00	750	73	70	64	66	65	60
900	420	1500	3.00	750	76	72	66	68	66	61
1000	470	1700	3.00	750	78	75	71	70	67	62

**Notes**

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves Exhaust/Return Sound Power Level Performance Data Size 10 With Neutralizer

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
100	45	170	0.60	150	38	36	33	<20	<20	<20
200	95	340	0.60	150	46	41	36	20	25	22
300	140	510	0.60	150	48	43	37	22	28	25
400	190	680	0.60	150	51	46	39	27	34	32
500	230	850	0.60	150	53	49	42	31	37	38
600	280	1000	0.60	150	55	51	45	35	39	41
700	330	1200	0.60	150	56	53	47	39	41	44
800	380	1350	0.60	150	58	55	49	42	43	46
900	420	1500	0.60	150	59	57	51	45	45	47
1000	470	1700	0.60	150	60	58	53	47	48	48

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
100	45	170	2.00	500	42	40	37	24	32	27
200	95	340	2.00	500	48	47	43	28	36	35
300	140	510	2.00	500	52	52	46	31	38	38
400	190	680	2.00	500	55	56	49	35	42	41
500	230	850	2.00	500	59	59	51	38	45	44
600	280	1000	2.00	500	61	61	53	40	47	46
700	330	1200	2.00	500	63	63	55	43	48	47
800	380	1350	2.00	500	66	65	57	46	50	48
900	420	1500	2.00	500	68	67	59	49	51	49
1000	470	1700	2.00	500	71	68	62	52	53	50

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
100	45	170	1.00	250	40	38	36	23	23	<20
200	95	340	1.00	250	47	44	38	24	29	26
300	140	510	1.00	250	52	48	41	26	33	31
400	190	680	1.00	250	54	49	43	30	37	35
500	230	850	1.00	250	56	52	46	33	39	39
600	280	1000	1.00	250	59	55	48	37	41	42
700	330	1200	1.00	250	61	57	51	41	43	44
800	380	1350	1.00	250	62	59	53	44	44	46
900	420	1500	1.00	250	64	61	55	47	47	48
1000	470	1700	1.00	250	65	62	56	49	48	49

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
100	45	170	2.50	625	44	41	38	24	33	33
200	95	340	2.50	625	49	48	44	29	38	38
300	140	510	2.50	625	53	53	48	33	40	40
400	190	680	2.50	625	57	57	51	36	44	43
500	230	850	2.50	625	61	61	53	39	47	46
600	280	1000	2.50	625	63	62	55	42	49	48
700	330	1200	2.50	625	65	64	56	44	51	49
800	380	1350	2.50	625	67	66	58	47	52	50
900	420	1500	2.50	625	69	67	60	50	53	51
1000	470	1700	2.50	625	72	70	63	54	55	52

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
100	45	170	1.50	375	41	39	37	24	27	19
200	95	340	1.50	375	48	46	40	25	33	30
300	140	510	1.50	375	51	51	44	29	36	35
400	190	680	1.50	375	54	55	46	32	40	38
500	230	850	1.50	375	59	56	49	35	43	41
600	280	1000	1.50	375	60	58	51	39	44	44
700	330	1200	1.50	375	62	60	53	41	46	45
800	380	1350	1.50	375	65	62	56	44	47	46
900	420	1500	1.50	375	67	64	58	48	49	48
1000	470	1700	1.50	375	68	66	60	52	51	49

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
100	45	170	3.00	750	45	43	39	25	35	37
200	95	340	3.00	750	49	49	45	30	39	40
300	140	510	3.00	750	54	55	50	35	41	42
400	190	680	3.00	750	58	59	53	38	45	45
500	230	850	3.00	750	61	62	54	41	48	47
600	280	1000	3.00	750	64	64	56	43	50	50
700	330	1200	3.00	750	66	66	58	45	52	51
800	380	1350	3.00	750	68	67	59	47	54	52
900	420	1500	3.00	750	70	69	61	50	55	53
1000	470	1700	3.00	750	73	72	64	55	57	54

**Notes**

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves Exhaust/Return Sound Power Level Performance Data Size 12

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	0.60	150	42	43	37	37	29	21
400	190	680	0.60	150	50	45	38	39	37	31
600	280	1000	0.60	150	56	49	42	43	43	40
800	380	1350	0.60	150	60	52	46	48	49	48
1000	470	1700	0.60	150	63	55	50	52	50	51
1200	560	2050	0.60	150	65	58	53	56	52	52
1400	660	2400	0.60	150	67	60	56	58	55	54
1500	710	2550	0.60	150	68	61	57	59	56	55

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	2.00	500	46	50	48	49	53	50
400	190	680	2.00	500	53	55	50	50	54	51
600	280	1000	2.00	500	59	62	54	55	55	52
800	380	1350	2.00	500	64	64	56	58	57	54
1000	470	1700	2.00	500	67	65	58	60	59	55
1200	560	2050	2.00	500	70	67	60	62	60	56
1400	660	2400	2.00	500	72	69	62	64	61	57
1500	710	2550	2.00	500	75	70	63	65	62	58

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	1.00	250	44	48	43	43	42	32
400	190	680	1.00	250	51	51	44	44	43	38
600	280	1000	1.00	250	57	54	47	49	48	45
800	380	1350	1.00	250	62	57	50	52	51	50
1000	470	1700	1.00	250	65	60	54	56	52	52
1200	560	2050	1.00	250	68	62	57	59	54	53
1400	660	2400	1.00	250	70	65	60	62	57	55
1500	710	2550	1.00	250	73	66	61	63	58	56

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	2.50	625	47	52	49	50	54	51
400	190	680	2.50	625	54	56	52	51	55	52
600	280	1000	2.50	625	60	63	56	56	56	53
800	380	1350	2.50	625	65	66	58	59	58	55
1000	470	1700	2.50	625	68	68	60	62	61	57
1200	560	2050	2.50	625	71	69	61	64	62	58
1400	660	2400	2.50	625	73	71	63	65	63	59
1500	710	2550	2.50	625	76	72	64	66	64	60

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	1.50	375	45	49	46	47	46	41
400	190	680	1.50	375	52	54	47	48	48	44
600	280	1000	1.50	375	58	58	51	53	52	49
800	380	1350	1.50	375	63	61	54	56	55	52
1000	470	1700	1.50	375	66	63	57	58	56	53
1200	560	2050	1.50	375	69	66	59	61	57	54
1400	660	2400	1.50	375	71	68	61	63	59	56
1500	710	2550	1.50	375	74	69	64	64	60	57

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	3.00	750	48	53	50	52	55	55
400	190	680	3.00	750	55	57	55	53	56	55
600	280	1000	3.00	750	61	64	57	57	57	57
800	380	1350	3.00	750	66	68	59	60	59	58
1000	470	1700	3.00	750	69	69	61	63	62	59
1200	560	2050	3.00	750	72	70	62	65	64	60
1400	660	2400	3.00	750	74	72	64	67	65	61
1500	710	2550	3.00	750	75	73	65	68	66	62

**Notes**

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves Exhaust/Return Sound Power Level Performance Data Size 12 With Neutralizer

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	0.60	150	42	41	35	25	22	<20
400	190	680	0.60	150	50	44	38	30	30	27
600	280	1000	0.60	150	54	48	42	36	39	37
800	380	1350	0.60	150	57	52	46	43	41	43
1000	470	1700	0.60	150	59	53	48	45	43	44
1200	560	2050	0.60	150	61	55	51	48	44	45
1400	660	2400	0.60	150	64	58	54	52	46	46
1500	710	2550	0.60	150	63	59	55	53	48	47

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	2.00	500	46	47	46	40	42	40
400	190	680	2.00	500	53	55	49	41	43	41
600	280	1000	2.00	500	59	59	52	44	45	45
800	380	1350	2.00	500	63	61	54	48	48	47
1000	470	1700	2.00	500	65	62	55	49	49	48
1200	560	2050	2.00	500	67	63	57	53	50	49
1400	660	2400	2.00	500	69	66	59	56	51	50
1500	710	2550	2.00	500	70	67	61	57	52	51

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	1.00	250	44	45	41	33	33	26
400	190	680	1.00	250	51	49	43	34	35	32
600	280	1000	1.00	250	57	52	46	39	40	39
800	380	1350	1.00	250	61	55	49	45	42	44
1000	470	1700	1.00	250	62	56	51	46	44	45
1200	560	2050	1.00	250	64	59	54	51	45	46
1400	660	2400	1.00	250	66	61	56	54	47	47
1500	710	2550	1.00	250	67	62	58	55	49	48

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	2.50	625	47	48	48	41	44	45
400	190	680	2.50	625	54	56	52	42	45	46
600	280	1000	2.50	625	60	62	54	46	47	47
800	380	1350	2.50	625	64	63	56	49	50	49
1000	470	1700	2.50	625	66	64	57	50	51	50
1200	560	2050	2.50	625	68	66	59	54	53	51
1400	660	2400	2.50	625	70	67	60	57	54	52
1500	710	2550	2.50	625	71	68	62	58	55	53

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	1.50	375	45	46	43	37	40	33
400	190	680	1.50	375	52	54	47	38	41	37
600	280	1000	1.50	375	58	56	50	42	43	42
800	380	1350	1.50	375	62	58	52	46	46	45
1000	470	1700	1.50	375	64	59	53	47	47	46
1200	560	2050	1.50	375	66	62	56	52	48	47
1400	660	2400	1.50	375	68	63	58	55	49	48
1500	710	2550	1.50	375	69	65	60	56	50	49

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	3.00	750	48	49	49	43	46	47
400	190	680	3.00	750	55	57	53	44	47	48
600	280	1000	3.00	750	61	63	56	48	49	49
800	380	1350	3.00	750	65	65	57	50	51	50
1000	470	1700	3.00	750	67	66	59	52	53	52
1200	560	2050	3.00	750	69	67	60	55	55	53
1400	660	2400	3.00	750	71	68	62	58	56	54
1500	710	2550	3.00	750	72	69	63	59	57	55

**Notes**

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves Exhaust/Return Sound Power Level Performance Data Size 14

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	0.60	150	35	40	38	36	30	20
400	189	680	0.60	150	44	44	39	38	33	26
600	283	1019	0.60	150	49	46	41	40	37	32
800	378	1359	0.60	150	54	49	44	45	43	39
1000	472	1699	0.60	150	57	52	47	47	45	40
1200	566	2039	0.60	150	60	55	49	48	47	41
1400	661	2379	0.60	150	62	57	51	53	49	44
1600	755	2718	0.60	150	63	59	54	56	50	48
1800	850	3058	0.60	150	64	60	56	57	52	48
2000	944	3398	0.60	150	66	63	58	59	54	53
2200	1038	3738	0.60	150	68	64	60	61	56	56
2400	1133	4078	0.60	150	68	65	62	64	58	60

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	2.00	500	42	48	46	46	43	38
400	189	680	2.00	500	51	54	51	49	46	39
600	283	1019	2.00	500	56	56	51	52	49	39
800	378	1359	2.00	500	60	60	55	54	52	47
1000	472	1699	2.00	500	63	63	57	58	56	53
1200	566	2039	2.00	500	66	65	59	60	58	55
1400	661	2379	2.00	500	68	67	61	61	60	57
1600	755	2718	2.00	500	70	69	63	64	62	58
1800	850	3058	2.00	500	72	70	65	66	63	59
2000	944	3398	2.00	500	73	72	67	67	64	60
2200	1038	3738	2.00	500	75	73	68	70	66	63
2400	1133	4078	2.00	500	77	75	70	72	67	66

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	1.00	250	38	43	42	41	41	33
400	189	680	1.00	250	47	48	44	44	42	36
600	283	1019	1.00	250	52	51	45	46	44	39
800	378	1359	1.00	250	56	54	48	49	48	44
1000	472	1699	1.00	250	60	57	51	52	51	46
1200	566	2039	1.00	250	62	59	53	54	52	48
1400	661	2379	1.00	250	65	61	56	57	54	50
1600	755	2718	1.00	250	66	63	58	59	55	52
1800	850	3058	1.00	250	68	64	60	61	56	53
2000	944	3398	1.00	250	69	67	62	63	59	56
2200	1038	3738	1.00	250	71	68	64	65	60	59
2400	1133	4078	1.00	250	72	69	65	67	62	62

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	2.50	625	44	50	48	49	46	41
400	189	680	2.50	625	52	56	53	51	49	42
600	283	1019	2.50	625	57	58	53	54	51	43
800	378	1359	2.50	625	61	62	57	56	55	50
1000	472	1699	2.50	625	65	64	59	59	58	55
1200	566	2039	2.50	625	67	67	61	61	60	56
1400	661	2379	2.50	625	70	68	63	64	62	59
1600	755	2718	2.50	625	72	71	64	65	64	60
1800	850	3058	2.50	625	73	71	66	67	65	61
2000	944	3398	2.50	625	75	73	68	69	66	62
2200	1038	3738	2.50	625	76	75	70	71	67	64
2400	1133	4078	2.50	625	78	76	72	74	68	67

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	1.50	375	40	46	44	43	42	34
400	189	680	1.50	375	49	52	48	46	44	39
600	283	1019	1.50	375	54	54	49	49	46	44
800	378	1359	1.50	375	58	57	52	52	50	44
1000	472	1699	1.50	375	62	60	55	55	54	51
1200	566	2039	1.50	375	64	63	57	57	56	52
1400	661	2379	1.50	375	67	65	59	60	57	53
1600	755	2718	1.50	375	69	67	61	62	59	54
1800	850	3058	1.50	375	70	67	63	64	60	56
2000	944	3398	1.50	375	72	70	65	66	62	59
2200	1038	3738	1.50	375	73	71	67	68	63	61
2400	1133	4078	1.50	375	75	73	68	70	65	64

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
200	94	340	3.00	750	45	51	49	52	49	44
400	189	680	3.00	750	53	58	55	54	51	45
600	283	1019	3.00	750	58	61	55	56	54	46
800	378	1359	3.00	750	62	63	58	57	56	54
1000	472	1699	3.00	750	66	66	60	61	59	56
1200	566	2039	3.00	750	68	68	62	63	62	57
1400	661	2379	3.00	750	71	70	64	65	64	60
1600	755	2718	3.00	750	73	72	66	67	66	61
1800	850	3058	3.00	750	74	73	68	68	66	62
2000	944	3398	3.00	750	76	75	69	70	68	63
2200	1038	3738	3.00	750	77	76	71	73	69	65
2400	1133	4078	3.00	750	79	78	73	75	70	67

**Notes**

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.



## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves

#### Exhaust/Return Sound Power Level Performance Data

##### Size 14 with Neutralizer

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	94	340	0.60	150	35	40	38	27	24	13
400	189	680	0.60	150	44	44	39	29	27	19
600	283	1019	0.60	150	49	46	41	31	31	25
800	378	1359	0.60	150	54	49	44	36	37	32
1000	472	1699	0.60	150	57	52	47	38	39	33
1200	566	2039	0.60	150	60	55	49	39	41	34
1400	661	2379	0.60	150	62	57	51	44	43	37
1600	755	2718	0.60	150	63	59	54	47	44	41
1800	850	3058	0.60	150	64	60	56	48	46	41
2000	944	3398	0.60	150	66	63	58	50	48	46
2200	1038	3738	0.60	150	68	64	60	52	50	49
2400	1133	4078	0.60	150	68	65	62	55	52	53

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	94	340	2.00	500	42	48	46	37	37	31
400	189	680	2.00	500	51	54	51	40	40	32
600	283	1019	2.00	500	56	56	51	43	43	32
800	378	1359	2.00	500	60	60	55	45	46	40
1000	472	1699	2.00	500	63	63	57	49	50	46
1200	566	2039	2.00	500	66	65	59	51	52	48
1400	661	2379	2.00	500	68	67	61	52	54	50
1600	755	2718	2.00	500	70	69	63	55	56	51
1800	850	3058	2.00	500	72	70	65	57	57	52
2000	944	3398	2.00	500	73	72	67	58	58	53
2200	1038	3738	2.00	500	75	73	68	61	60	56
2400	1133	4078	2.00	500	77	75	70	63	61	59

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	94	340	1.00	250	38	43	42	32	35	26
400	189	680	1.00	250	47	48	44	35	36	29
600	283	1019	1.00	250	52	51	45	37	38	32
800	378	1359	1.00	250	56	54	48	40	42	37
1000	472	1699	1.00	250	60	57	51	43	45	39
1200	566	2039	1.00	250	62	59	53	45	46	41
1400	661	2379	1.00	250	65	61	56	48	48	43
1600	755	2718	1.00	250	66	63	58	50	49	45
1800	850	3058	1.00	250	68	64	60	52	50	46
2000	944	3398	1.00	250	69	67	62	54	53	49
2200	1038	3738	1.00	250	71	68	64	56	54	52
2400	1133	4078	1.00	250	72	69	65	58	56	55

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	94	340	2.50	625	44	50	48	40	40	34
400	189	680	2.50	625	52	56	53	42	43	35
600	283	1019	2.50	625	57	58	53	45	45	36
800	378	1359	2.50	625	61	62	57	47	49	43
1000	472	1699	2.50	625	65	64	59	50	52	48
1200	566	2039	2.50	625	67	67	61	52	54	49
1400	661	2379	2.50	625	70	68	63	55	56	52
1600	755	2718	2.50	625	72	71	64	56	58	53
1800	850	3058	2.50	625	73	71	66	58	59	54
2000	944	3398	2.50	625	75	73	68	60	60	55
2200	1038	3738	2.50	625	76	75	70	62	61	57
2400	1133	4078	2.50	625	78	76	72	65	62	60

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	94	340	1.50	375	40	46	44	34	36	27
400	189	680	1.50	375	49	52	48	37	38	32
600	283	1019	1.50	375	54	54	49	40	40	37
800	378	1359	1.50	375	58	57	52	43	44	37
1000	472	1699	1.50	375	62	60	55	46	48	44
1200	566	2039	1.50	375	64	63	57	48	50	45
1400	661	2379	1.50	375	67	65	59	51	51	46
1600	755	2718	1.50	375	69	67	61	53	53	47
1800	850	3058	1.50	375	70	67	63	55	54	49
2000	944	3398	1.50	375	72	70	65	57	56	52
2200	1038	3738	1.50	375	73	71	67	59	57	54
2400	1133	4078	1.50	375	75	73	68	61	59	57

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	94	340	3.00	750	45	51	49	43	43	37
400	189	680	3.00	750	53	58	55	45	45	38
600	283	1019	3.00	750	58	61	55	47	48	39
800	378	1359	3.00	750	62	63	58	48	50	47
1000	472	1699	3.00	750	66	66	60	52	53	49
1200	566	2039	3.00	750	68	68	62	54	56	50
1400	661	2379	3.00	750	71	70	64	56	58	53
1600	755	2718	3.00	750	73	72	66	58	60	54
1800	850	3058	3.00	750	74	73	68	59	60	55
2000	944	3398	3.00	750	76	75	69	61	62	56
2200	1038	3738	3.00	750	77	76	71	64	63	58
2400	1133	4078	3.00	750	79	78	73	66	64	60

#### Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves Exhaust/Return Sound Power Level Performance Data Dual 10

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	0.60	150	40	39	39	37	27	<20
400	190	680	0.60	150	47	43	41	40	35	28
600	280	1000	0.60	150	50	46	42	43	40	34
800	380	1350	0.60	150	53	48	45	47	44	39
1000	470	1700	0.60	150	56	51	47	49	47	42
1200	560	2050	0.60	150	58	53	49	52	49	48
1400	660	2400	0.60	150	59	54	51	54	51	50
1600	750	2700	0.60	150	60	55	53	57	52	52
1800	850	3050	0.60	150	61	57	55	58	54	54
2000	940	3400	0.60	150	62	58	57	60	57	56

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	2.00	500	44	44	44	47	51	46
400	190	680	2.00	500	50	50	49	50	52	47
600	280	1000	2.00	500	54	55	53	53	53	48
800	380	1350	2.00	500	59	59	56	57	54	51
1000	470	1700	2.00	500	62	62	58	60	58	54
1200	560	2050	2.00	500	64	64	60	62	60	56
1400	660	2400	2.00	500	66	66	62	64	62	57
1600	750	2700	2.00	500	69	67	64	66	63	58
1800	850	3050	2.00	500	70	69	66	68	64	59
2000	940	3400	2.00	500	72	70	69	70	65	60

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	1.00	250	42	41	42	43	38	29
400	190	680	1.00	250	48	48	45	46	41	35
600	280	1000	1.00	250	52	50	47	48	45	40
800	380	1350	1.00	250	56	53	49	51	49	44
1000	470	1700	1.00	250	59	55	52	54	51	47
1200	560	2050	1.00	250	61	57	53	55	52	50
1400	660	2400	1.00	250	64	58	56	58	54	52
1600	750	2700	1.00	250	65	61	58	61	55	53
1800	850	3050	1.00	250	66	62	60	63	57	55
2000	940	3400	1.00	250	67	63	62	65	58	57

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	2.50	625	45	45	45	48	52	50
400	190	680	2.50	625	51	51	51	52	53	51
600	280	1000	2.50	625	55	56	55	55	54	52
800	380	1350	2.50	625	60	60	57	59	57	53
1000	470	1700	2.50	625	63	64	60	62	59	56
1200	560	2050	2.50	625	65	66	62	64	62	58
1400	660	2400	2.50	625	67	67	64	66	64	59
1600	750	2700	2.50	625	70	69	65	67	65	61
1800	850	3050	2.50	625	71	71	67	69	66	62
2000	940	3400	2.50	625	74	72	70	71	67	63

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	1.50	375	43	42	43	45	46	38
400	190	680	1.50	375	49	49	47	48	47	41
600	280	1000	1.50	375	53	54	50	51	49	45
800	380	1350	1.50	375	58	58	53	55	52	48
1000	470	1700	1.50	375	61	60	55	57	55	51
1200	560	2050	1.50	375	63	61	57	60	57	53
1400	660	2400	1.50	375	65	63	59	61	58	54
1600	750	2700	1.50	375	68	64	61	64	59	55
1800	850	3050	1.50	375	69	66	64	66	60	56
2000	940	3400	1.50	375	70	67	66	69	62	58

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	3.00	750	46	46	46	49	53	53
400	190	680	3.00	750	52	52	52	53	54	54
600	280	1000	3.00	750	56	57	56	56	55	55
800	380	1350	3.00	750	61	62	59	60	58	56
1000	470	1700	3.00	750	64	65	61	63	61	57
1200	560	2050	3.00	750	66	67	63	66	63	59
1400	660	2400	3.00	750	68	69	65	68	66	61
1600	750	2700	3.00	750	71	71	67	69	68	63
1800	850	3050	3.00	750	73	72	68	71	69	64
2000	940	3400	3.00	750	75	73	71	72	70	65

**Notes**

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves Exhaust/Return Sound Power Level Performance Data Dual 10 With Neutralizer

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	0.60	150	40	39	38	30	25	<20
400	190	680	0.60	150	46	43	39	31	32	27
600	280	1000	0.60	150	49	46	41	32	36	32
800	380	1350	0.60	150	50	48	44	36	40	36
1000	470	1700	0.60	150	53	50	46	40	42	42
1200	560	2050	0.60	150	56	52	48	44	45	46
1400	660	2400	0.60	150	58	54	51	48	47	48
1600	750	2700	0.60	150	60	55	53	52	49	50
1800	850	3050	0.60	150	61	57	55	55	52	51
2000	940	3400	0.60	150	62	58	57	58	54	53

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	2.00	500	44	43	43	38	46	43
400	190	680	2.00	500	49	50	48	40	47	44
600	280	1000	2.00	500	53	55	52	43	48	45
800	380	1350	2.00	500	57	59	55	46	50	48
1000	470	1700	2.00	500	60	62	57	48	53	50
1200	560	2050	2.00	500	63	64	59	51	55	52
1400	660	2400	2.00	500	65	65	61	53	57	54
1600	750	2700	2.00	500	67	67	62	56	58	55
1800	850	3050	2.00	500	69	69	65	58	59	56
2000	940	3400	2.00	500	71	70	68	61	60	57

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	1.00	250	42	41	41	35	34	26
400	190	680	1.00	250	47	48	43	36	37	32
600	280	1000	1.00	250	51	50	45	37	41	37
800	380	1350	1.00	250	55	53	49	40	44	41
1000	470	1700	1.00	250	57	55	51	43	46	44
1200	560	2050	1.00	250	59	56	52	46	48	47
1400	660	2400	1.00	250	62	58	55	50	50	49
1600	750	2700	1.00	250	64	61	58	54	52	51
1800	850	3050	1.00	250	66	62	60	56	53	52
2000	940	3400	1.00	250	67	63	61	59	55	54

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	2.50	625	45	45	44	39	47	47
400	190	680	2.50	625	50	51	50	42	48	48
600	280	1000	2.50	625	54	56	53	44	49	49
800	380	1350	2.50	625	58	60	56	47	52	50
1000	470	1700	2.50	625	61	64	59	50	55	53
1200	560	2050	2.50	625	64	66	61	52	57	54
1400	660	2400	2.50	625	66	67	63	55	59	56
1600	750	2700	2.50	625	68	69	64	57	60	57
1800	850	3050	2.50	625	70	70	66	59	61	58
2000	940	3400	2.50	625	72	72	69	62	62	59

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	1.50	375	43	42	42	37	42	35
400	190	680	1.50	375	48	49	46	39	43	38
600	280	1000	1.50	375	52	54	49	40	44	41
800	380	1350	1.50	375	56	57	52	43	48	45
1000	470	1700	1.50	375	59	59	54	46	50	48
1200	560	2050	1.50	375	62	61	56	49	52	50
1400	660	2400	1.50	375	64	63	58	52	53	51
1600	750	2700	1.50	375	66	64	60	55	55	52
1800	850	3050	1.50	375	68	66	63	57	56	53
2000	940	3400	1.50	375	70	67	65	60	58	55

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
200	95	340	3.00	750	46	46	45	40	49	50
400	190	680	3.00	750	51	52	51	43	50	51
600	280	1000	3.00	750	55	57	55	46	51	52
800	380	1350	3.00	750	59	61	58	49	53	53
1000	470	1700	3.00	750	62	65	61	52	56	54
1200	560	2050	3.00	750	65	67	62	54	58	56
1400	660	2400	3.00	750	67	69	64	56	60	58
1600	750	2700	3.00	750	69	70	66	58	62	59
1800	850	3050	3.00	750	71	71	67	60	63	60
2000	940	3400	3.00	750	73	73	70	63	64	61

**Notes**

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves Exhaust/Return Sound Power Level Performance Data Dual 12

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	190	680	0.60	150	45	43	40	40	32	24
800	380	1350	0.60	150	51	45	41	42	39	34
1200	560	2050	0.60	150	56	49	45	46	43	37
1600	750	2700	0.60	150	59	51	48	51	48	46
2000	940	3400	0.60	150	61	54	52	55	53	53
2400	1150	4050	0.60	150	63	56	55	58	54	55
2800	1300	4750	0.60	150	65	58	59	61	58	57
3000	1400	5100	0.60	150	67	60	60	62	59	58

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	190	680	2.00	500	49	48	50	52	54	49
800	380	1350	2.00	500	56	56	53	53	55	50
1200	560	2050	2.00	500	62	60	56	58	56	52
1600	750	2700	2.00	500	66	63	59	61	59	55
2000	940	3400	2.00	500	70	65	61	63	61	57
2400	1150	4050	2.00	500	73	67	62	65	63	59
2800	1300	4750	2.00	500	75	69	65	66	64	60
3000	1400	5100	2.00	500	76	71	66	68	65	61

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	190	680	1.00	250	46	46	45	46	41	32
800	380	1350	1.00	250	54	50	47	47	45	40
1200	560	2050	1.00	250	60	53	50	52	49	44
1600	750	2700	1.00	250	64	56	53	55	51	48
2000	940	3400	1.00	250	66	59	56	58	54	54
2400	1150	4050	1.00	250	69	61	59	62	56	56
2800	1300	4750	1.00	250	71	63	62	63	60	58
3000	1400	5100	1.00	250	73	65	63	65	61	59

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	190	680	2.50	625	50	49	51	53	56	53
800	380	1350	2.50	625	57	57	54	54	57	54
1200	560	2050	2.50	625	63	62	58	59	58	55
1600	750	2700	2.50	625	67	65	61	62	61	58
2000	940	3400	2.50	625	71	68	63	65	64	60
2400	1150	4050	2.50	625	74	69	64	67	65	61
2800	1300	4750	2.50	625	76	71	66	68	66	62
3000	1400	5100	2.50	625	77	73	67	69	67	63

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	190	680	1.50	375	48	47	48	50	50	41
800	380	1350	1.50	375	55	54	50	51	51	45
1200	560	2050	1.50	375	61	58	54	56	53	49
1600	750	2700	1.50	375	65	60	57	59	56	52
2000	940	3400	1.50	375	69	62	59	61	58	55
2400	1150	4050	1.50	375	72	65	61	64	59	57
2800	1300	4750	1.50	375	74	67	64	65	62	59
3000	1400	5100	1.50	375	75	69	65	67	63	60

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	190	680	3.00	750	51	51	52	55	58	57
800	380	1350	3.00	750	58	58	56	56	59	58
1200	560	2050	3.00	750	64	64	60	60	60	59
1600	750	2700	3.00	750	68	67	62	63	62	60
2000	940	3400	3.00	750	72	69	64	66	65	62
2400	1150	4050	3.00	750	75	71	65	68	67	63
2800	1300	4750	3.00	750	77	73	67	70	68	64
3000	1400	5100	3.00	750	78	75	68	71	69	65

#### Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves Exhaust/Return Sound Power Level Performance Data Dual 12 With Neutralizer

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	190	680	0.60	150	45	41	39	35	29	23
800	380	1350	0.60	150	51	45	40	37	36	31
1200	560	2050	0.60	150	55	48	43	40	40	34
1600	750	2700	0.60	150	58	51	47	45	45	41
2000	940	3400	0.60	150	60	54	51	50	48	46
2400	1150	4050	0.60	150	62	56	54	54	51	51
2800	1300	4750	0.60	150	64	58	57	57	53	56
3000	1400	5100	0.60	150	66	60	59	59	54	57

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	190	680	2.00	500	49	47	48	46	51	47
800	380	1350	2.00	500	54	55	51	47	52	48
1200	560	2050	2.00	500	61	60	55	51	53	49
1600	750	2700	2.00	500	64	62	58	55	55	53
2000	940	3400	2.00	500	68	64	61	57	58	55
2400	1150	4050	2.00	500	71	66	62	59	60	57
2800	1300	4750	2.00	500	74	68	64	61	62	58
3000	1400	5100	2.00	500	75	70	65	62	63	59

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	190	680	1.00	250	46	45	44	40	38	29
800	380	1350	1.00	250	52	49	45	41	42	37
1200	560	2050	1.00	250	59	53	49	45	46	39
1600	750	2700	1.00	250	62	56	51	48	48	46
2000	940	3400	1.00	250	65	58	54	52	51	51
2400	1150	4050	1.00	250	68	61	58	56	53	53
2800	1300	4750	1.00	250	71	63	60	59	55	54
3000	1400	5100	1.00	250	73	65	62	60	56	55

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	190	680	2.50	625	50	48	49	48	53	51
800	380	1350	2.50	625	55	56	53	49	54	52
1200	560	2050	2.50	625	62	62	57	53	55	53
1600	750	2700	2.50	625	65	64	60	57	57	55
2000	940	3400	2.50	625	69	66	62	59	60	57
2400	1150	4050	2.50	625	72	68	64	61	62	58
2800	1300	4750	2.50	625	75	70	65	63	63	59
3000	1400	5100	2.50	625	77	72	66	64	64	60

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	190	680	1.50	375	48	46	46	44	47	38
800	380	1350	1.50	375	53	54	49	45	48	42
1200	560	2050	1.50	375	60	57	52	49	50	46
1600	750	2700	1.50	375	63	60	55	52	53	49
2000	940	3400	1.50	375	67	62	58	55	54	52
2400	1150	4050	1.50	375	70	64	61	58	56	54
2800	1300	4750	1.50	375	73	66	63	60	58	56
3000	1400	5100	1.50	375	74	68	64	61	59	57

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	190	680	3.00	750	51	50	50	49	55	54
800	380	1350	3.00	750	56	57	55	50	56	55
1200	560	2050	3.00	750	63	63	59	55	57	56
1600	750	2700	3.00	750	66	67	61	58	59	57
2000	940	3400	3.00	750	70	69	64	61	62	59
2400	1150	4050	3.00	750	73	71	65	63	64	60
2800	1300	4750	3.00	750	76	73	67	65	65	61
3000	1400	5100	3.00	750	78	75	68	66	66	62

**Notes**

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves Exhaust/Return Sound Power Level Performance Data Size 214

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	0.60	150	36	42	38	38	34	33
800	378	1359	0.60	150	46	50	44	44	41	38
1200	566	2039	0.60	150	51	53	48	48	46	42
1600	755	2718	0.60	150	53	55	50	52	49	45
2000	944	3398	0.60	150	56	56	53	54	51	48
2400	1133	4078	0.60	150	58	58	54	56	52	50
2800	1321	4757	0.60	150	59	59	55	58	53	53
3200	1510	5437	0.60	150	61	60	56	59	54	54
3600	1699	6116	0.60	150	62	61	57	60	55	56
4000	1888	6796	0.60	150	63	62	58	61	56	58
4400	2077	7476	0.60	150	64	63	59	63	57	60
4800	2265	8155	0.60	150	65	64	60	64	58	62

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	2.00	500	44	49	50	49	45	50
800	378	1359	2.00	500	53	60	58	55	52	52
1200	566	2039	2.00	500	58	65	61	60	58	54
1600	755	2718	2.00	500	60	68	64	63	61	57
2000	944	3398	2.00	500	63	70	66	65	63	59
2400	1133	4078	2.00	500	65	71	67	67	65	61
2800	1321	4757	2.00	500	67	72	68	70	66	63
3200	1510	5437	2.00	500	68	73	70	70	67	64
3600	1699	6116	2.00	500	69	74	71	71	68	65
4000	1888	6796	2.00	500	70	75	71	72	69	67
4400	2077	7476	2.00	500	72	76	72	74	70	71
4800	2265	8155	2.00	500	73	77	73	75	71	73

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	1.00	250	39	45	43	43	38	40
800	378	1359	1.00	250	49	55	49	49	46	43
1200	566	2039	1.00	250	54	58	53	53	51	47
1600	755	2718	1.00	250	56	60	55	57	54	50
2000	944	3398	1.00	250	59	62	58	59	56	53
2400	1133	4078	1.00	250	61	63	60	61	58	55
2800	1321	4757	1.00	250	63	65	61	63	59	57
3200	1510	5437	1.00	250	64	66	62	63	60	58
3600	1699	6116	1.00	250	65	67	63	66	61	62
4000	1888	6796	1.00	250	66	67	64	67	62	64
4400	2077	7476	1.00	250	67	69	65	68	63	66
4800	2265	8155	1.00	250	69	70	65	69	64	68

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	2.50	625	45	51	51	52	47	50
800	378	1359	2.50	625	53	61	61	57	55	54
1200	566	2039	2.50	625	59	68	63	62	60	56
1600	755	2718	2.50	625	61	70	66	65	63	59
2000	944	3398	2.50	625	64	72	68	68	66	61
2400	1133	4078	2.50	625	67	74	70	70	67	63
2800	1321	4757	2.50	625	69	75	71	71	69	65
3200	1510	5437	2.50	625	70	76	72	72	70	67
3600	1699	6116	2.50	625	71	77	73	73	71	69
4000	1888	6796	2.50	625	72	78	74	75	71	71
4400	2077	7476	2.50	625	74	79	74	76	72	73
4800	2265	8155	2.50	625	74	80	75	77	73	75

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	1.50	375	42	48	47	47	42	46
800	378	1359	1.50	375	51	58	54	53	50	48
1200	566	2039	1.50	375	56	62	57	57	55	51
1600	755	2718	1.50	375	59	65	61	61	58	54
2000	944	3398	1.50	375	61	67	63	63	61	56
2400	1133	4078	1.50	375	64	68	64	65	62	58
2800	1321	4757	1.50	375	66	69	65	66	63	61
3200	1510	5437	1.50	375	67	70	66	68	65	61
3600	1699	6116	1.50	375	68	71	68	68	65	63
4000	1888	6796	1.50	375	68	71	68	70	66	67
4400	2077	7476	1.50	375	69	73	69	72	67	69
4800	2265	8155	1.50	375	72	74	70	73	68	71

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	3.00	750	46	52	52	53	49	53
800	378	1359	3.00	750	55	63	62	59	56	56
1200	566	2039	3.00	750	60	70	65	63	62	58
1600	755	2718	3.00	750	62	72	68	67	65	61
2000	944	3398	3.00	750	65	74	70	69	67	63
2400	1133	4078	3.00	750	68	76	72	71	69	65
2800	1321	4757	3.00	750	70	77	73	73	71	66
3200	1510	5437	3.00	750	70	78	74	74	72	67
3600	1699	6116	3.00	750	73	79	75	75	73	68
4000	1888	6796	3.00	750	73	79	75	76	73	70
4400	2077	7476	3.00	750	74	80	77	77	74	71
4800	2265	8155	3.00	750	76	81	78	77	74	73

**Notes**

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves Exhaust/Return Sound Power Level Performance Data Size 214 with Neutralizer

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	0.60	150	36	42	39	30	29	28
800	378	1359	0.60	150	46	51	44	36	37	33
1200	566	2039	0.60	150	51	53	48	40	42	37
1600	755	2718	0.60	150	53	55	49	44	45	40
2000	944	3398	0.60	150	56	57	53	46	47	43
2400	1133	4078	0.60	150	58	58	54	48	48	45
2800	1321	4757	0.60	150	59	59	56	50	49	48
3200	1510	5437	0.60	150	60	60	56	51	50	49
3600	1699	6116	0.60	150	62	62	58	52	51	51
4000	1888	6796	0.60	150	62	62	57	53	52	53
4400	2077	7476	0.60	150	64	64	60	55	53	55
4800	2265	8155	0.60	150	65	65	60	56	53	57

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	2.00	500	44	50	50	41	41	45
800	378	1359	2.00	500	53	60	57	47	48	47
1200	566	2039	2.00	500	58	65	61	52	53	49
1600	755	2718	2.00	500	60	68	63	55	57	52
2000	944	3398	2.00	500	64	70	66	57	59	54
2400	1133	4078	2.00	500	66	71	67	59	61	56
2800	1321	4757	2.00	500	67	73	69	62	62	59
3200	1510	5437	2.00	500	68	74	70	62	63	59
3600	1699	6116	2.00	500	70	75	71	63	63	60
4000	1888	6796	2.00	500	70	74	70	64	64	62
4400	2077	7476	2.00	500	72	77	72	66	66	66
4800	2265	8155	2.00	500	73	77	73	67	67	68

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	1.00	250	40	46	43	35	34	35
800	378	1359	1.00	250	48	54	50	41	42	39
1200	566	2039	1.00	250	54	58	53	45	47	42
1600	755	2718	1.00	250	57	61	55	49	50	45
2000	944	3398	1.00	250	59	62	59	51	52	48
2400	1133	4078	1.00	250	61	64	60	53	54	50
2800	1321	4757	1.00	250	62	65	61	55	54	52
3200	1510	5437	1.00	250	64	66	63	55	55	53
3600	1699	6116	1.00	250	65	68	63	58	57	57
4000	1888	6796	1.00	250	66	67	63	59	58	59
4400	2077	7476	1.00	250	67	70	65	60	59	61
4800	2265	8155	1.00	250	68	70	66	61	60	63

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	2.50	625	45	51	51	44	43	45
800	378	1359	2.50	625	53	60	60	49	50	49
1200	566	2039	2.50	625	60	67	63	54	56	51
1600	755	2718	2.50	625	62	71	66	57	59	54
2000	944	3398	2.50	625	65	72	68	60	61	56
2400	1133	4078	2.50	625	67	74	70	62	63	58
2800	1321	4757	2.50	625	69	75	71	63	64	60
3200	1510	5437	2.50	625	70	76	72	64	65	62
3600	1699	6116	2.50	625	71	77	73	65	66	64
4000	1888	6796	2.50	625	72	77	73	67	67	66
4400	2077	7476	2.50	625	73	79	75	68	68	68
4800	2265	8155	2.50	625	74	80	76	69	69	70

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	1.50	375	42	48	47	39	38	41
800	378	1359	1.50	375	50	57	54	45	46	43
1200	566	2039	1.50	375	56	63	58	49	51	46
1600	755	2718	1.50	375	59	66	60	53	54	49
2000	944	3398	1.50	375	62	67	63	55	56	52
2400	1133	4078	1.50	375	64	68	64	57	58	53
2800	1321	4757	1.50	375	65	70	66	58	59	56
3200	1510	5437	1.50	375	67	71	67	60	60	56
3600	1699	6116	1.50	375	68	72	68	60	61	58
4000	1888	6796	1.50	375	68	71	67	62	62	62
4400	2077	7476	1.50	375	69	73	69	64	63	64
4800	2265	8155	1.50	375	71	75	71	65	64	66

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
400	189	680	3.00	750	47	52	52	45	45	48
800	378	1359	3.00	750	55	62	62	51	52	51
1200	566	2039	3.00	750	61	69	65	55	57	53
1600	755	2718	3.00	750	63	72	68	59	61	56
2000	944	3398	3.00	750	65	74	70	61	63	58
2400	1133	4078	3.00	750	68	75	72	63	65	60
2800	1321	4757	3.00	750	70	77	73	65	66	61
3200	1510	5437	3.00	750	71	78	74	66	67	62
3600	1699	6116	3.00	750	72	79	75	67	68	63
4000	1888	6796	3.00	750	73	79	75	68	69	65
4400	2077	7476	3.00	750	74	81	77	69	70	66
4800	2265	8155	3.00	750	75	82	78	69	70	68

**Notes**

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves Exhaust/Return Sound Power Level Performance Data Triple 12

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	280	1000	0.60	150	47	46	42	42	34	26
1200	560	2050	0.60	150	53	48	43	44	41	36
1800	850	3050	0.60	150	59	52	46	48	46	42
2400	1150	4050	0.60	150	62	55	50	52	51	50
3000	1400	5100	0.60	150	65	57	54	57	55	55
3600	1700	6100	0.60	150	67	60	57	60	56	57
4200	2000	7150	0.60	150	69	62	61	63	60	59
4500	2100	7650	0.60	150	71	64	62	64	61	60

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	280	1000	2.00	500	51	52	52	54	57	52
1200	560	2050	2.00	500	58	59	55	55	58	53
1800	850	3050	2.00	500	64	64	58	60	59	55
2400	1150	4050	2.00	500	68	66	61	63	61	58
3000	1400	5100	2.00	500	72	68	63	65	63	59
3600	1700	6100	2.00	500	75	70	64	67	65	61
4200	2000	7150	2.00	500	77	72	67	68	66	62
4500	2100	7650	2.00	500	79	74	68	70	67	63

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	280	1000	1.00	250	48	50	47	48	45	35
1200	560	2050	1.00	250	56	54	49	49	47	42
1800	850	3050	1.00	250	62	57	52	54	51	48
2400	1150	4050	1.00	250	66	60	55	57	54	52
3000	1400	5100	1.00	250	69	62	58	60	56	56
3600	1700	6100	1.00	250	71	65	61	64	58	58
4200	2000	7150	1.00	250	74	67	64	66	62	60
4500	2100	7650	1.00	250	76	69	65	67	63	61

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	280	1000	2.50	625	52	54	53	55	58	55
1200	560	2050	2.50	625	59	60	56	56	59	56
1800	850	3050	2.50	625	65	66	60	61	60	57
2400	1150	4050	2.50	625	69	69	63	64	63	60
3000	1400	5100	2.50	625	73	71	65	67	66	62
3600	1700	6100	2.50	625	76	72	66	69	67	63
4200	2000	7150	2.50	625	78	74	68	70	68	64
4500	2100	7650	2.50	625	80	76	69	71	69	65

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	280	1000	1.50	375	50	51	50	51	51	44
1200	560	2050	1.50	375	57	57	52	53	53	47
1800	850	3050	1.50	375	63	61	56	58	56	52
2400	1150	4050	1.50	375	67	64	59	61	58	55
3000	1400	5100	1.50	375	71	66	61	63	60	57
3600	1700	6100	1.50	375	74	69	63	66	61	59
4200	2000	7150	1.50	375	76	71	66	67	64	61
4500	2100	7650	1.50	375	78	72	68	69	65	62

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	280	1000	3.00	750	53	55	54	57	60	59
1200	560	2050	3.00	750	60	61	59	58	61	60
1800	850	3050	3.00	750	66	67	62	62	62	61
2400	1150	4050	3.00	750	70	70	64	65	64	62
3000	1400	5100	3.00	750	74	72	66	68	67	64
3600	1700	6100	3.00	750	77	74	67	70	69	65
4200	2000	7150	3.00	750	79	76	69	72	70	66
4500	2100	7650	3.00	750	80	77	70	73	71	67

#### Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.



## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves Exhaust/Return Sound Power Level Performance Data Triple 12 With Neutralizer

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
600	280	1000	0.60	150	47	44	40	36	30	23
1200	560	2050	0.60	150	53	47	42	38	37	32
1800	850	3050	0.60	150	58	51	46	41	42	39
2400	1150	4050	0.60	150	60	54	50	47	47	45
3000	1400	5100	0.60	150	62	56	53	51	49	48
3600	1700	6100	0.60	150	65	59	56	55	52	52
4200	2000	7150	0.60	150	67	61	59	58	54	56
4500	2100	7650	0.60	150	68	63	61	60	55	57

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
600	280	1000	2.00	500	51	50	50	47	52	47
1200	560	2050	2.00	500	57	58	53	48	53	49
1800	850	3050	2.00	500	63	63	56	52	54	51
2400	1150	4050	2.00	500	67	65	59	56	56	54
3000	1400	5100	2.00	500	70	66	62	58	58	55
3600	1700	6100	2.00	500	72	68	63	60	60	58
4200	2000	7150	2.00	500	75	70	65	62	62	59
4500	2100	7650	2.00	500	76	72	66	63	63	60

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
600	280	1000	1.00	250	48	48	46	40	39	31
1200	560	2050	1.00	250	55	52	47	42	42	38
1800	850	3050	1.00	250	61	55	50	46	47	42
2400	1150	4050	1.00	250	65	58	54	50	49	48
3000	1400	5100	1.00	250	67	60	56	53	52	52
3600	1700	6100	1.00	250	69	63	59	57	54	54
4200	2000	7150	1.00	250	72	65	62	60	56	55
4500	2100	7650	1.00	250	74	67	63	61	57	56

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
600	280	1000	2.50	625	52	51	52	49	54	52
1200	560	2050	2.50	625	58	59	55	50	55	53
1800	850	3050	2.50	625	64	65	59	54	56	54
2400	1150	4050	2.50	625	68	67	61	57	58	56
3000	1400	5100	2.50	625	71	68	63	60	60	58
3600	1700	6100	2.50	625	73	70	65	62	62	59
4200	2000	7150	2.50	625	76	72	66	64	63	60
4500	2100	7650	2.50	625	78	74	67	65	64	61

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
600	280	1000	1.50	375	50	49	48	44	48	39
1200	560	2050	1.50	375	56	57	51	46	49	43
1800	850	3050	1.50	375	62	60	54	50	51	48
2400	1150	4050	1.50	375	66	62	57	53	53	51
3000	1400	5100	1.50	375	69	63	59	55	55	53
3600	1700	6100	1.50	375	71	66	62	59	57	55
4200	2000	7150	1.50	375	74	68	64	61	58	57
4500	2100	7650	1.50	375	75	70	65	62	60	58

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
600	280	1000	3.00	750	53	52	53	50	56	55
1200	560	2050	3.00	750	59	60	57	51	57	56
1800	850	3050	3.00	750	65	66	60	56	56	57
2400	1150	4050	3.00	750	68	69	63	59	60	58
3000	1400	5100	3.00	750	72	71	65	62	62	60
3600	1700	6100	3.00	750	75	72	66	64	62	61
4200	2000	7150	3.00	750	77	74	68	66	66	62
4500	2100	7650	3.00	750	79	76	69	67	66	63

**Notes**

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves Exhaust/Return Sound Power Level Performance Data

#### Triple 14

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	0.60	150	39	44	41	40	35	33
1200	566	2039	0.60	150	48	51	45	45	42	38
1800	850	3058	0.60	150	53	54	48	49	47	43
2400	1133	4078	0.60	150	57	56	51	53	50	46
3000	1416	5097	0.60	150	59	58	54	55	52	49
3600	1699	6116	0.60	150	62	60	55	57	53	50
4200	1982	7136	0.60	150	64	61	57	59	54	53
4800	2265	8155	0.60	150	65	63	58	61	56	55
5400	2549	9175	0.60	150	67	64	60	62	57	57
6000	2832	10194	0.60	150	68	65	61	64	58	59
6600	3115	11213	0.60	150	69	67	63	65	59	62
7200	3398	12233	0.60	150	70	68	64	67	61	64

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	2.00	500	46	52	51	51	47	51
1200	566	2039	2.00	500	55	61	59	56	53	52
1800	850	3058	2.00	500	60	66	61	60	58	54
2400	1133	4078	2.00	500	63	68	64	64	62	57
3000	1416	5097	2.00	500	66	70	66	66	64	60
3600	1699	6116	2.00	500	69	72	68	68	66	62
4200	1982	7136	2.00	500	71	73	69	70	67	64
4800	2265	8155	2.00	500	72	75	70	71	68	65
5400	2549	9175	2.00	500	74	75	72	72	69	66
6000	2832	10194	2.00	500	75	77	72	73	70	68
6600	3115	11213	2.00	500	77	78	74	75	71	72
7200	3398	12233	2.00	500	78	79	75	77	72	74

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	1.00	250	42	47	45	45	43	41
1200	566	2039	1.00	250	51	56	51	50	48	44
1800	850	3058	1.00	250	56	59	54	54	52	48
2400	1133	4078	1.00	250	59	61	56	57	55	51
3000	1416	5097	1.00	250	62	63	59	60	57	54
3600	1699	6116	1.00	250	65	65	61	62	59	55
4200	1982	7136	1.00	250	67	66	62	64	60	58
4800	2265	8155	1.00	250	68	68	63	65	61	59
5400	2549	9175	1.00	250	70	69	65	67	63	62
6000	2832	10194	1.00	250	71	70	66	68	64	65
6600	3115	11213	1.00	250	72	72	67	70	65	67
7200	3398	12233	1.00	250	74	73	68	71	66	69

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	2.50	625	48	53	53	53	50	51
1200	566	2039	2.50	625	56	62	61	58	55	54
1800	850	3058	2.50	625	61	68	63	62	60	57
2400	1133	4078	2.50	625	64	71	66	66	64	59
3000	1416	5097	2.50	625	67	73	68	68	66	62
3600	1699	6116	2.50	625	70	74	70	70	68	64
4200	1982	7136	2.50	625	72	76	72	72	70	66
4800	2265	8155	2.50	625	74	77	72	73	71	68
5400	2549	9175	2.50	625	75	78	74	74	72	70
6000	2832	10194	2.50	625	76	79	75	76	73	72
6600	3115	11213	2.50	625	78	80	76	77	73	73
7200	3398	12233	2.50	625	80	81	77	79	74	75

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	1.50	375	44	50	49	48	45	46
1200	566	2039	1.50	375	53	59	55	53	51	49
1800	850	3058	1.50	375	58	63	58	58	55	52
2400	1133	4078	1.50	375	62	65	61	61	59	54
3000	1416	5097	1.50	375	65	67	63	63	61	57
3600	1699	6116	1.50	375	67	69	65	65	63	59
4200	1982	7136	1.50	375	69	70	66	67	64	62
4800	2265	8155	1.50	375	71	72	67	69	66	62
5400	2549	9175	1.50	375	72	73	69	70	66	64
6000	2832	10194	1.50	375	73	74	70	72	68	68
6600	3115	11213	1.50	375	75	75	71	73	69	70
7200	3398	12233	1.50	375	77	76	72	74	70	72

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	3.00	750	49	54	54	56	52	54
1200	566	2039	3.00	750	57	64	63	60	57	57
1800	850	3058	3.00	750	62	71	65	64	62	58
2400	1133	4078	3.00	750	65	73	68	67	66	61
3000	1416	5097	3.00	750	69	75	70	70	68	64
3600	1699	6116	3.00	750	71	76	72	72	70	65
4200	1982	7136	3.00	750	73	77	73	73	72	67
4800	2265	8155	3.00	750	75	79	75	75	73	68
5400	2549	9175	3.00	750	76	80	76	76	74	69
6000	2832	10194	3.00	750	78	80	76	77	74	70
6600	3115	11213	3.00	750	79	82	78	78	75	72
7200	3398	12233	3.00	750	81	83	79	79	76	74

#### Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves Exhaust/Return Sound Power Level Performance Data Triple 14 with Neutralizer

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
600	283	1019	0.60	150	39	44	42	32	30	28
1200	566	2039	0.60	150	48	52	45	37	37	33
1800	850	3058	0.60	150	53	54	48	41	42	38
2400	1133	4078	0.60	150	56	56	50	45	46	40
3000	1416	5097	0.60	150	60	58	54	47	48	43
3600	1699	6116	0.60	150	62	60	55	48	49	45
4200	1982	7136	0.60	150	64	61	57	51	50	48
4800	2265	8155	0.60	150	65	63	58	52	51	50
5400	2549	9175	0.60	150	66	64	60	54	52	52
6000	2832	10194	0.60	150	68	65	61	55	53	54
6600	3115	11213	0.60	150	69	67	63	57	54	56
7200	3398	12233	0.60	150	70	68	64	58	56	58

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
600	283	1019	2.00	500	46	52	51	43	42	46
1200	566	2039	2.00	500	55	61	58	48	49	47
1800	850	3058	2.00	500	60	66	61	52	54	49
2400	1133	4078	2.00	500	63	69	64	56	57	52
3000	1416	5097	2.00	500	66	71	66	58	60	55
3600	1699	6116	2.00	500	69	72	68	60	61	57
4200	1982	7136	2.00	500	71	74	69	62	63	59
4800	2265	8155	2.00	500	72	75	71	63	64	60
5400	2549	9175	2.00	500	74	76	72	64	64	60
6000	2832	10194	2.00	500	75	76	72	65	65	62
6600	3115	11213	2.00	500	77	79	74	67	67	67
7200	3398	12233	2.00	500	78	79	75	69	68	69

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
600	283	1019	1.00	250	42	48	45	37	38	35
1200	566	2039	1.00	250	51	55	51	42	43	39
1800	850	3058	1.00	250	56	59	54	46	47	43
2400	1133	4078	1.00	250	60	61	56	49	51	45
3000	1416	5097	1.00	250	62	63	59	52	53	48
3600	1699	6116	1.00	250	65	66	61	53	54	50
4200	1982	7136	1.00	250	67	67	62	55	55	53
4800	2265	8155	1.00	250	68	68	64	56	56	53
5400	2549	9175	1.00	250	69	69	65	59	58	57
6000	2832	10194	1.00	250	71	70	66	60	59	60
6600	3115	11213	1.00	250	72	72	68	61	60	62
7200	3398	12233	1.00	250	74	73	69	63	61	63

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
600	283	1019	2.50	625	48	54	53	45	45	46
1200	566	2039	2.50	625	56	62	61	50	51	49
1800	850	3058	2.50	625	61	68	64	54	56	52
2400	1133	4078	2.50	625	65	71	66	58	59	54
3000	1416	5097	2.50	625	68	73	69	60	62	57
3600	1699	6116	2.50	625	70	74	70	62	64	59
4200	1982	7136	2.50	625	72	76	72	64	65	61
4800	2265	8155	2.50	625	74	77	73	65	66	63
5400	2549	9175	2.50	625	75	78	74	66	67	65
6000	2832	10194	2.50	625	76	78	74	67	68	66
6600	3115	11213	2.50	625	78	81	76	69	69	68
7200	3398	12233	2.50	625	80	82	77	70	70	70

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
600	283	1019	1.50	375	44	50	49	40	40	41
1200	566	2039	1.50	375	53	58	55	45	46	44
1800	850	3058	1.50	375	59	63	58	49	51	47
2400	1133	4078	1.50	375	62	66	61	53	54	49
3000	1416	5097	1.50	375	65	68	63	55	57	52
3600	1699	6116	1.50	375	67	69	65	57	58	54
4200	1982	7136	1.50	375	69	71	67	59	60	56
4800	2265	8155	1.50	375	71	72	68	61	61	57
5400	2549	9175	1.50	375	72	73	69	61	62	58
6000	2832	10194	1.50	375	73	73	69	63	63	63
6600	3115	11213	1.50	375	75	75	71	65	64	65
7200	3398	12233	1.50	375	76	77	73	66	65	66

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
600	283	1019	3.00	750	49	55	54	47	47	49
1200	566	2039	3.00	750	57	63	63	52	53	52
1800	850	3058	3.00	750	63	70	66	56	58	53
2400	1133	4078	3.00	750	66	73	68	59	61	56
3000	1416	5097	3.00	750	68	75	71	62	64	59
3600	1699	6116	3.00	750	71	76	72	64	66	60
4200	1982	7136	3.00	750	73	78	74	65	67	62
4800	2265	8155	3.00	750	75	79	75	67	68	63
5400	2549	9175	3.00	750	76	80	76	68	69	64
6000	2832	10194	3.00	750	78	80	76	69	70	65
6600	3115	11213	3.00	750	79	82	78	70	70	66
7200	3398	12233	3.00	750	81	84	80	71	71	68

**Notes**

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves Exhaust/Return Sound Power Level Performance Data Quad 12

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
800	380	1350	0.60	150	48	46	43	43	35	27
1600	750	2700	0.60	150	54	48	44	45	42	37
2400	1150	4100	0.60	150	59	52	48	49	46	40
3200	1500	5450	0.60	150	62	54	51	54	51	49
4000	1900	6800	0.60	150	64	57	55	58	56	56
4800	2250	8150	0.60	150	66	59	58	61	57	58
5600	2650	9500	0.60	150	68	61	62	64	61	60
6000	2850	10200	0.60	150	70	63	63	65	62	61

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
800	380	1350	2.00	500	52	51	53	55	57	52
1600	750	2700	2.00	500	59	59	56	56	58	53
2400	1150	4100	2.00	500	65	63	59	61	59	55
3200	1500	5450	2.00	500	69	66	62	64	62	58
4000	1900	6800	2.00	500	73	68	64	66	64	60
4800	2250	8150	2.00	500	76	70	65	68	66	62
5600	2650	9500	2.00	500	78	72	68	69	67	63
6000	2850	10200	2.00	500	79	74	69	71	68	64

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
800	380	1350	1.00	250	49	49	48	49	44	35
1600	750	2700	1.00	250	57	53	50	50	48	43
2400	1150	4100	1.00	250	63	56	53	55	52	47
3200	1500	5450	1.00	250	67	59	56	58	54	51
4000	1900	6800	1.00	250	69	62	59	61	57	57
4800	2250	8150	1.00	250	72	64	62	65	59	59
5600	2650	9500	1.00	250	74	66	65	66	63	61
6000	2850	10200	1.00	250	76	68	66	68	64	62

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
800	380	1350	2.50	625	53	52	54	56	59	56
1600	750	2700	2.50	625	60	60	57	57	60	57
2400	1150	4100	2.50	625	66	65	61	62	61	58
3200	1500	5450	2.50	625	70	68	64	65	64	61
4000	1900	6800	2.50	625	74	71	66	68	67	63
4800	2250	8150	2.50	625	77	72	67	70	68	64
5600	2650	9500	2.50	625	79	74	69	71	69	65
6000	2850	10200	2.50	625	80	76	70	72	70	66

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
800	380	1350	1.50	375	51	50	51	53	53	44
1600	750	2700	1.50	375	58	57	53	54	54	48
2400	1150	4100	1.50	375	64	61	57	59	56	52
3200	1500	5450	1.50	375	68	63	60	62	59	55
4000	1900	6800	1.50	375	72	65	62	64	61	58
4800	2250	8150	1.50	375	75	68	64	67	62	60
5600	2650	9500	1.50	375	77	70	67	68	65	62
6000	2850	10200	1.50	375	78	72	68	70	66	63

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	Octave Band Center Frequency in Hz					
					125	250	500	1000	2000	4000
800	380	1350	3.00	750	54	54	55	58	61	60
1600	750	2700	3.00	750	61	61	59	59	62	61
2400	1150	4100	3.00	750	67	67	63	63	63	62
3200	1500	5450	3.00	750	71	70	65	66	65	63
4000	1900	6800	3.00	750	75	72	67	69	68	65
4800	2250	8150	3.00	750	78	74	68	71	70	66
5600	2650	9500	3.00	750	80	76	70	73	71	67
6000	2850	10200	3.00	750	81	78	71	74	72	68

#### Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves Exhaust/Return Sound Power Level Performance Data Quad 12 With Neutralizer

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
800	380	1350	0.60	150	48	44	42	38	32	26
1600	750	2700	0.60	150	54	48	43	40	39	34
2400	1150	4100	0.60	150	58	51	46	43	43	37
3200	1500	5450	0.60	150	61	54	50	48	48	44
4000	1900	6800	0.60	150	63	57	54	53	51	49
4800	2250	8150	0.60	150	65	59	57	57	54	54
5600	2650	9500	0.60	150	67	61	60	60	56	59
6000	2850	10200	0.60	150	69	63	62	62	57	60

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
800	380	1350	2.00	500	52	50	51	49	54	50
1600	750	2700	2.00	500	57	58	54	50	55	51
2400	1150	4100	2.00	500	64	63	58	54	56	52
3200	1500	5450	2.00	500	67	65	61	58	58	56
4000	1900	6800	2.00	500	71	67	64	60	61	58
4800	2250	8150	2.00	500	74	69	65	62	63	60
5600	2650	9500	2.00	500	77	71	67	64	65	61
6000	2850	10200	2.00	500	78	73	68	65	66	62

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
800	380	1350	1.00	250	49	48	47	43	41	32
1600	750	2700	1.00	250	55	52	48	44	45	40
2400	1150	4100	1.00	250	62	56	52	48	49	42
3200	1500	5450	1.00	250	65	59	54	51	51	49
4000	1900	6800	1.00	250	68	61	57	55	54	54
4800	2250	8150	1.00	250	71	64	61	59	56	56
5600	2650	9500	1.00	250	74	66	63	62	58	57
6000	2850	10200	1.00	250	76	68	65	63	59	58

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
800	380	1350	2.50	625	53	51	52	51	56	54
1600	750	2700	2.50	625	58	59	56	52	57	55
2400	1150	4100	2.50	625	65	65	60	56	58	56
3200	1500	5450	2.50	625	68	67	63	60	60	58
4000	1900	6800	2.50	625	72	69	65	62	63	60
4800	2250	8150	2.50	625	75	71	67	64	65	61
5600	2650	9500	2.50	625	78	73	68	66	66	62
6000	2850	10200	2.50	625	80	75	69	67	67	63

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
800	380	1350	1.50	375	51	49	49	47	50	41
1600	750	2700	1.50	375	56	57	52	48	51	45
2400	1150	4100	1.50	375	63	60	55	52	53	49
3200	1500	5450	1.50	375	66	63	58	55	56	52
4000	1900	6800	1.50	375	70	65	61	58	57	55
4800	2250	8150	1.50	375	73	67	64	61	59	57
5600	2650	9500	1.50	375	76	69	66	63	61	59
6000	2850	10200	1.50	375	77	71	67	64	62	60

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
800	380	1350	3.00	750	54	53	53	52	58	57
1600	750	2700	3.00	750	59	60	58	53	59	58
2400	1150	4100	3.00	750	66	66	62	58	60	59
3200	1500	5450	3.00	750	69	70	64	61	62	60
4000	1900	6800	3.00	750	73	72	67	64	65	62
4800	2250	8150	3.00	750	76	74	68	66	67	63
5600	2650	9500	3.00	750	79	76	70	68	68	64
6000	2850	10200	3.00	750	81	78	71	69	69	65

#### Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves Exhaust/Return Sound Power Level Performance Data

#### Quad 14

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	0.60	150	39	45	41	41	37	36
1200	566	2039	0.60	150	49	53	47	47	44	41
1800	850	3058	0.60	150	54	56	51	51	49	45
2400	1133	4078	0.60	150	56	58	53	55	52	48
3000	1416	5097	0.60	150	59	59	56	57	54	51
3600	1699	6116	0.60	150	61	61	57	59	56	53
4200	1982	7136	0.60	150	62	62	58	61	56	56
4800	2265	8155	0.60	150	64	63	59	62	57	57
5400	2549	9175	0.60	150	65	64	60	63	58	59
6000	2832	10194	0.60	150	66	65	61	64	59	61
6600	3115	11213	0.60	150	67	66	62	66	60	63
7200	3398	12233	0.60	150	68	67	63	67	61	65

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	2.00	500	47	52	53	52	48	53
1200	566	2039	2.00	500	56	63	61	58	55	55
1800	850	3058	2.00	500	61	68	64	63	61	57
2400	1133	4078	2.00	500	63	71	67	66	64	60
3000	1416	5097	2.00	500	66	73	69	69	66	62
3600	1699	6116	2.00	500	68	74	70	70	68	64
4200	1982	7136	2.00	500	70	75	71	73	69	66
4800	2265	8155	2.00	500	71	76	73	73	70	67
5400	2549	9175	2.00	500	72	77	74	74	71	68
6000	2832	10194	2.00	500	73	78	74	75	72	70
6600	3115	11213	2.00	500	75	79	75	77	73	74
7200	3398	12233	2.00	500	76	80	76	78	74	76

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	1.00	250	42	48	46	46	41	43
1200	566	2039	1.00	250	52	58	52	52	49	46
1800	850	3058	1.00	250	57	61	56	56	54	50
2400	1133	4078	1.00	250	59	63	58	60	57	53
3000	1416	5097	1.00	250	62	65	61	62	59	56
3600	1699	6116	1.00	250	64	66	63	64	61	58
4200	1982	7136	1.00	250	66	68	64	66	62	60
4800	2265	8155	1.00	250	67	69	65	66	63	61
5400	2549	9175	1.00	250	68	70	66	69	64	65
6000	2832	10194	1.00	250	69	70	67	70	65	67
6600	3115	11213	1.00	250	70	72	68	71	66	69
7200	3398	12233	1.00	250	72	73	68	72	67	71

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	2.50	625	48	54	54	55	50	53
1200	566	2039	2.50	625	56	64	64	60	58	57
1800	850	3058	2.50	625	62	71	66	65	63	59
2400	1133	4078	2.50	625	64	73	69	68	66	62
3000	1416	5097	2.50	625	67	75	71	71	69	64
3600	1699	6116	2.50	625	70	77	73	73	70	66
4200	1982	7136	2.50	625	72	78	74	74	72	68
4800	2265	8155	2.50	625	73	79	75	75	73	70
5400	2549	9175	2.50	625	74	80	76	76	74	72
6000	2832	10194	2.50	625	75	81	77	78	74	74
6600	3115	11213	2.50	625	77	82	77	79	75	76
7200	3398	12233	2.50	625	77	83	78	80	76	78

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	1.50	375	45	51	50	50	45	49
1200	566	2039	1.50	375	54	61	57	56	53	51
1800	850	3058	1.50	375	59	65	60	60	58	54
2400	1133	4078	1.50	375	62	68	64	64	61	57
3000	1416	5097	1.50	375	64	70	66	66	64	59
3600	1699	6116	1.50	375	67	71	67	68	65	61
4200	1982	7136	1.50	375	69	72	68	69	66	64
4800	2265	8155	1.50	375	70	73	69	71	68	64
5400	2549	9175	1.50	375	71	74	71	71	68	66
6000	2832	10194	1.50	375	71	74	71	73	69	70
6600	3115	11213	1.50	375	72	76	72	75	70	72
7200	3398	12233	1.50	375	75	77	73	76	71	74

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	3.00	750	49	55	55	56	52	56
1200	566	2039	3.00	750	58	66	65	62	59	59
1800	850	3058	3.00	750	63	73	68	66	65	61
2400	1133	4078	3.00	750	65	75	71	70	68	64
3000	1416	5097	3.00	750	68	77	73	72	70	66
3600	1699	6116	3.00	750	71	79	75	74	72	68
4200	1982	7136	3.00	750	73	80	76	76	74	69
4800	2265	8155	3.00	750	73	81	77	77	75	70
5400	2549	9175	3.00	750	76	82	78	78	76	71
6000	2832	10194	3.00	750	76	82	78	79	76	73
6600	3115	11213	3.00	750	77	83	80	80	77	74
7200	3398	12233	3.00	750	79	85	81	81	77	76

#### Notes

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.

## Phoenix Controls Accel II Airflow Control Valves

### Medium Pressure Airflow Control Valves Exhaust/Return Sound Power Level Performance Data Quad 14 with Neutralizer

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	0.60	150	39	45	42	33	32	31
1200	566	2039	0.60	150	49	54	47	39	40	36
1800	850	3058	0.60	150	54	56	51	43	45	40
2400	1133	4078	0.60	150	56	58	52	47	48	43
3000	1416	5097	0.60	150	59	60	56	49	50	46
3600	1699	6116	0.60	150	61	61	57	51	51	48
4200	1982	7136	0.60	150	62	62	59	53	52	51
4800	2265	8155	0.60	150	64	63	59	54	53	52
5400	2549	9175	0.60	150	65	65	61	55	54	54
6000	2832	10194	0.60	150	65	65	60	56	55	56
6600	3115	11213	0.60	150	67	67	63	58	56	58
7200	3398	12233	0.60	150	68	68	63	59	56	60

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	2.00	500	47	53	53	44	44	48
1200	566	2039	2.00	500	56	63	60	50	51	50
1800	850	3058	2.00	500	61	68	64	55	56	52
2400	1133	4078	2.00	500	63	71	66	58	60	55
3000	1416	5097	2.00	500	67	73	69	61	62	57
3600	1699	6116	2.00	500	69	74	70	62	64	59
4200	1982	7136	2.00	500	70	76	72	65	65	62
4800	2265	8155	2.00	500	72	77	73	65	66	62
5400	2549	9175	2.00	500	73	78	74	66	66	63
6000	2832	10194	2.00	500	73	77	73	67	67	65
6600	3115	11213	2.00	500	75	80	75	69	69	69
7200	3398	12233	2.00	500	76	80	76	70	70	71

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	1.00	250	43	49	46	38	37	38
1200	566	2039	1.00	250	52	57	53	44	45	42
1800	850	3058	1.00	250	57	61	56	48	50	45
2400	1133	4078	1.00	250	60	64	58	52	53	48
3000	1416	5097	1.00	250	62	65	62	54	55	51
3600	1699	6116	1.00	250	64	67	63	56	57	53
4200	1982	7136	1.00	250	65	68	64	58	57	55
4800	2265	8155	1.00	250	67	69	66	58	59	56
5400	2549	9175	1.00	250	68	71	66	61	60	60
6000	2832	10194	1.00	250	69	70	66	62	61	62
6600	3115	11213	1.00	250	70	73	68	63	62	64
7200	3398	12233	1.00	250	71	73	69	64	63	66

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	2.50	625	48	54	54	47	46	48
1200	566	2039	2.50	625	56	63	63	52	53	52
1800	850	3058	2.50	625	63	70	66	57	59	54
2400	1133	4078	2.50	625	65	74	69	60	62	57
3000	1416	5097	2.50	625	68	75	71	63	64	59
3600	1699	6116	2.50	625	70	77	73	65	66	61
4200	1982	7136	2.50	625	72	78	74	66	67	63
4800	2265	8155	2.50	625	73	79	75	67	68	65
5400	2549	9175	2.50	625	74	80	76	68	69	67
6000	2832	10194	2.50	625	75	80	76	70	70	69
6600	3115	11213	2.50	625	76	82	78	71	71	71
7200	3398	12233	2.50	625	77	83	79	72	72	73

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	1.50	375	45	51	50	42	41	44
1200	566	2039	1.50	375	53	60	57	48	49	46
1800	850	3058	1.50	375	59	66	61	52	54	49
2400	1133	4078	1.50	375	62	69	63	56	57	52
3000	1416	5097	1.50	375	65	70	66	58	59	55
3600	1699	6116	1.50	375	67	71	67	60	61	56
4200	1982	7136	1.50	375	68	73	69	61	62	59
4800	2265	8155	1.50	375	70	74	70	63	63	59
5400	2549	9175	1.50	375	71	75	71	63	64	61
6000	2832	10194	1.50	375	71	74	70	65	65	65
6600	3115	11213	1.50	375	72	76	72	67	66	67
7200	3398	12233	1.50	375	74	78	74	68	67	69

Airflow			DPS		Sound Power Levels in dB ref 10 <sup>-12</sup> Watts					
					Octave Band Center Frequency in Hz					
cfm	L/s	m <sup>3</sup> /h	in wc	Pa	125	250	500	1000	2000	4000
600	283	1019	3.00	750	50	55	55	48	48	51
1200	566	2039	3.00	750	58	65	65	54	55	54
1800	850	3058	3.00	750	64	72	68	58	60	56
2400	1133	4078	3.00	750	66	75	71	62	64	59
3000	1416	5097	3.00	750	68	77	73	64	66	61
3600	1699	6116	3.00	750	71	78	75	66	68	63
4200	1982	7136	3.00	750	73	80	76	68	69	64
4800	2265	8155	3.00	750	74	81	77	69	70	65
5400	2549	9175	3.00	750	75	82	78	70	71	66
6000	2832	10194	3.00	750	76	82	78	71	72	68
6600	3115	11213	3.00	750	77	84	80	72	73	69
7200	3398	12233	3.00	750	78	85	81	72	73	71

**Notes**

1. All Data was obtained from testing in accordance with **ASHRAE/ANSI Standard 130, Methods of Testing Air Terminal Units**
2. DPS is the difference in static pressure across the valve.
3. Exhaust/Return sound is the noise emitted from the valve inlet into the laboratory/room.