Phoenix Controls

Accel II Airflow Control Valves

# MEDIUM PRESSURE SUPPLY

Sound Power Level Data

*By using this document your firm is assuming full responsibility for maintaining the integrity of all information and data contained within the unlocked versions of these sound data tables. Your firm is solely liable for any repercussions arising from missing, incorrect, or additional information in the resultant documentation created from Phoenix Controls unprotected sound data tables.*

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves
## Supply Sound Power Level Performance Data
### Size 08

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 50 | 25 | 85 | 0.60 | 150 | 37 | 34 | 36 | 34 | 26 | < 20 |
| 100 | 45 | 170 | 0.60 | 150 | 43 | 38 | 38 | 36 | 29 | < 20 |
| 150 | 70 | 250 | 0.60 | 150 | 46 | 41 | 39 | 39 | 34 | 26 |
| 200 | 95 | 340 | 0.60 | 150 | 48 | 44 | 40 | 42 | 37 | 29 |
| 250 | 120 | 420 | 0.60 | 150 | 50 | 47 | 43 | 45 | 40 | 33 |
| 300 | 140 | 510 | 0.60 | 150 | 52 | 49 | 46 | 47 | 42 | 37 |
| 350 | 160 | 590 | 0.60 | 150 | 54 | 52 | 50 | 51 | 44 | 40 |
| 400 | 190 | 680 | 0.60 | 150 | 56 | 54 | 52 | 53 | 45 | 42 |
| 450 | 210 | 760 | 0.60 | 150 | 58 | 56 | 54 | 55 | 47 | 43 |
| 500 | 230 | 850 | 0.60 | 150 | 60 | 58 | 56 | 57 | 49 | 45 |
| 600 | 280 | 1000 | 0.60 | 150 | 61 | 60 | 59 | 61 | 52 | 48 |
| 700 | 330 | 1200 | 0.60 | 150 | 62 | 61 | 62 | 64 | 55 | 51 |
| 50 | 25 | 85 | 1.00 | 250 | 38 | 35 | 37 | 39 | 37 | 26 |
| 100 | 45 | 170 | 1.00 | 250 | 44 | 43 | 42 | 42 | 39 | 28 |
| 150 | 70 | 250 | 1.00 | 250 | 47 | 46 | 43 | 44 | 41 | 32 |
| 200 | 95 | 340 | 1.00 | 250 | 50 | 48 | 45 | 47 | 43 | 36 |
| 250 | 120 | 420 | 1.00 | 250 | 52 | 51 | 47 | 49 | 45 | 39 |
| 300 | 140 | 510 | 1.00 | 250 | 54 | 53 | 49 | 51 | 47 | 41 |
| 350 | 160 | 590 | 1.00 | 250 | 57 | 55 | 53 | 54 | 49 | 44 |
| 400 | 190 | 680 | 1.00 | 250 | 58 | 57 | 55 | 57 | 50 | 45 |
| 450 | 210 | 760 | 1.00 | 250 | 60 | 59 | 58 | 59 | 51 | 47 |
| 500 | 230 | 850 | 1.00 | 250 | 62 | 60 | 60 | 61 | 53 | 48 |
| 600 | 280 | 1000 | 1.00 | 250 | 65 | 64 | 63 | 64 | 55 | 50 |
| 700 | 330 | 1200 | 1.00 | 250 | 68 | 66 | 66 | 68 | 59 | 54 |
| 50 | 25 | 85 | 1.50 | 375 | 39 | 36 | 38 | 40 | 42 | 35 |
| 100 | 45 | 170 | 1.50 | 375 | 45 | 44 | 45 | 46 | 45 | 37 |
| 150 | 70 | 250 | 1.50 | 375 | 49 | 49 | 47 | 47 | 46 | 39 |
| 200 | 95 | 340 | 1.50 | 375 | 51 | 52 | 48 | 50 | 47 | 41 |
| 250 | 120 | 420 | 1.50 | 375 | 54 | 54 | 50 | 52 | 48 | 43 |
| 300 | 140 | 510 | 1.50 | 375 | 55 | 56 | 52 | 55 | 50 | 45 |
| 350 | 160 | 590 | 1.50 | 375 | 58 | 58 | 54 | 57 | 52 | 47 |
| 400 | 190 | 680 | 1.50 | 375 | 59 | 59 | 57 | 59 | 54 | 48 |
| 450 | 210 | 760 | 1.50 | 375 | 61 | 61 | 60 | 61 | 55 | 50 |
| 500 | 230 | 850 | 1.50 | 375 | 63 | 63 | 63 | 63 | 57 | 51 |
| 600 | 280 | 1000 | 1.50 | 375 | 66 | 65 | 66 | 67 | 58 | 53 |
| 700 | 330 | 1200 | 1.50 | 375 | 69 | 69 | 70 | 70 | 61 | 56 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 50 | 25 | 85 | 2.00 | 500 | 40 | 39 | 39 | 41 | 44 | 42 |
| 100 | 45 | 170 | 2.00 | 500 | 46 | 45 | 47 | 48 | 48 | 43 |
| 150 | 70 | 250 | 2.00 | 500 | 50 | 51 | 50 | 50 | 49 | 44 |
| 200 | 95 | 340 | 2.00 | 500 | 52 | 54 | 51 | 52 | 50 | 45 |
| 250 | 120 | 420 | 2.00 | 500 | 55 | 56 | 53 | 54 | 51 | 46 |
| 300 | 140 | 510 | 2.00 | 500 | 56 | 58 | 54 | 57 | 53 | 48 |
| 350 | 160 | 590 | 2.00 | 500 | 59 | 60 | 57 | 59 | 55 | 50 |
| 400 | 190 | 680 | 2.00 | 500 | 60 | 61 | 59 | 61 | 56 | 51 |
| 450 | 210 | 760 | 2.00 | 500 | 62 | 63 | 61 | 63 | 58 | 53 |
| 500 | 230 | 850 | 2.00 | 500 | 64 | 65 | 64 | 65 | 59 | 54 |
| 600 | 280 | 1000 | 2.00 | 500 | 67 | 67 | 68 | 69 | 61 | 56 |
| 700 | 330 | 1200 | 2.00 | 500 | 70 | 70 | 72 | 72 | 63 | 58 |
| 50 | 25 | 85 | 2.50 | 625 | 41 | 40 | 40 | 42 | 45 | 46 |
| 100 | 45 | 170 | 2.50 | 625 | 47 | 46 | 48 | 49 | 50 | 47 |
| 150 | 70 | 250 | 2.50 | 625 | 51 | 52 | 52 | 52 | 51 | 48 |
| 200 | 95 | 340 | 2.50 | 625 | 53 | 55 | 54 | 54 | 52 | 49 |
| 250 | 120 | 420 | 2.50 | 625 | 56 | 57 | 56 | 57 | 54 | 50 |
| 300 | 140 | 510 | 2.50 | 625 | 57 | 59 | 57 | 59 | 56 | 51 |
| 350 | 160 | 590 | 2.50 | 625 | 60 | 61 | 59 | 61 | 57 | 52 |
| 400 | 190 | 680 | 2.50 | 625 | 61 | 63 | 60 | 63 | 59 | 53 |
| 450 | 210 | 760 | 2.50 | 625 | 63 | 64 | 63 | 65 | 60 | 55 |
| 500 | 230 | 850 | 2.50 | 625 | 65 | 66 | 65 | 67 | 61 | 56 |
| 600 | 280 | 1000 | 2.50 | 625 | 68 | 69 | 70 | 70 | 64 | 58 |
| 700 | 330 | 1200 | 2.50 | 625 | 71 | 71 | 73 | 73 | 65 | 60 |
| 50 | 25 | 85 | 3.00 | 750 | 44 | 41 | 41 | 43 | 46 | 48 |
| 100 | 45 | 170 | 3.00 | 750 | 48 | 47 | 49 | 50 | 51 | 49 |
| 150 | 70 | 250 | 3.00 | 750 | 52 | 53 | 53 | 53 | 52 | 50 |
| 200 | 95 | 340 | 3.00 | 750 | 54 | 56 | 55 | 55 | 53 | 51 |
| 250 | 120 | 420 | 3.00 | 750 | 57 | 58 | 57 | 58 | 55 | 52 |
| 300 | 140 | 510 | 3.00 | 750 | 58 | 60 | 59 | 60 | 57 | 53 |
| 350 | 160 | 590 | 3.00 | 750 | 61 | 62 | 61 | 63 | 59 | 54 |
| 400 | 190 | 680 | 3.00 | 750 | 62 | 64 | 62 | 64 | 60 | 55 |
| 450 | 210 | 760 | 3.00 | 750 | 64 | 65 | 64 | 66 | 62 | 56 |
| 500 | 230 | 850 | 3.00 | 750 | 66 | 67 | 66 | 68 | 63 | 58 |
| 600 | 280 | 1000 | 3.00 | 750 | 69 | 70 | 71 | 71 | 65 | 60 |
| 700 | 330 | 1200 | 3.00 | 750 | 72 | 72 | 75 | 74 | 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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves
## Supply Sound Power Level Performance Data
### Size 08 With Neutralizer

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts<br>Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 50 | 25 | 85 | 0.60 | 150 | 37 | 34 | 34 | < 20 | < 20 | < 20 |
| 100 | 45 | 170 | 0.60 | 150 | 43 | 38 | 35 | < 20 | < 20 | < 20 |
| 150 | 70 | 250 | 0.60 | 150 | 46 | 41 | 36 | < 20 | 22 | < 20 |
| 200 | 95 | 340 | 0.60 | 150 | 48 | 44 | 38 | 24 | 25 | 22 |
| 250 | 120 | 420 | 0.60 | 150 | 50 | 47 | 42 | 31 | 28 | 27 |
| 300 | 140 | 510 | 0.60 | 150 | 52 | 49 | 44 | 35 | 31 | 30 |
| 350 | 160 | 590 | 0.60 | 150 | 54 | 52 | 48 | 40 | 36 | 33 |
| 400 | 190 | 680 | 0.60 | 150 | 56 | 54 | 50 | 43 | 40 | 34 |
| 450 | 210 | 760 | 0.60 | 150 | 58 | 56 | 53 | 46 | 44 | 36 |
| 500 | 230 | 850 | 0.60 | 150 | 60 | 58 | 54 | 50 | 48 | 37 |
| 600 | 280 | 1000 | 0.60 | 150 | 61 | 60 | 57 | 54 | 52 | 41 |
| 700 | 330 | 1200 | 0.60 | 150 | 62 | 61 | 59 | 58 | 55 | 43 |
| 50 | 25 | 85 | 1.00 | 250 | 38 | 35 | 37 | 23 | 28 | < 20 |
| 100 | 45 | 170 | 1.00 | 250 | 44 | 43 | 40 | 24 | 29 | 20 |
| 150 | 70 | 250 | 1.00 | 250 | 47 | 46 | 41 | 25 | 30 | 24 |
| 200 | 95 | 340 | 1.00 | 250 | 50 | 48 | 43 | 27 | 31 | 29 |
| 250 | 120 | 420 | 1.00 | 250 | 52 | 51 | 45 | 32 | 33 | 31 |
| 300 | 140 | 510 | 1.00 | 250 | 54 | 53 | 48 | 37 | 35 | 34 |
| 350 | 160 | 590 | 1.00 | 250 | 57 | 55 | 51 | 41 | 38 | 36 |
| 400 | 190 | 680 | 1.00 | 250 | 58 | 57 | 53 | 44 | 41 | 38 |
| 450 | 210 | 760 | 1.00 | 250 | 60 | 59 | 56 | 47 | 45 | 40 |
| 500 | 230 | 850 | 1.00 | 250 | 62 | 60 | 58 | 51 | 49 | 41 |
| 600 | 280 | 1000 | 1.00 | 250 | 65 | 64 | 61 | 55 | 53 | 44 |
| 700 | 330 | 1200 | 1.00 | 250 | 68 | 66 | 63 | 59 | 57 | 47 |
| 50 | 25 | 85 | 1.50 | 375 | 39 | 36 | 36 | 24 | 33 | 28 |
| 100 | 45 | 170 | 1.50 | 375 | 45 | 44 | 43 | 27 | 34 | 29 |
| 150 | 70 | 250 | 1.50 | 375 | 49 | 49 | 45 | 28 | 35 | 31 |
| 200 | 95 | 340 | 1.50 | 375 | 51 | 52 | 46 | 30 | 36 | 34 |
| 250 | 120 | 420 | 1.50 | 375 | 54 | 54 | 48 | 33 | 37 | 36 |
| 300 | 140 | 510 | 1.50 | 375 | 55 | 56 | 51 | 38 | 39 | 38 |
| 350 | 160 | 590 | 1.50 | 375 | 58 | 58 | 53 | 42 | 41 | 40 |
| 400 | 190 | 680 | 1.50 | 375 | 59 | 59 | 55 | 45 | 43 | 41 |
| 450 | 210 | 760 | 1.50 | 375 | 61 | 61 | 58 | 48 | 47 | 43 |
| 500 | 230 | 850 | 1.50 | 375 | 63 | 63 | 60 | 52 | 50 | 44 |
| 600 | 280 | 1000 | 1.50 | 375 | 66 | 65 | 63 | 56 | 54 | 46 |
| 700 | 330 | 1200 | 1.50 | 375 | 69 | 69 | 66 | 60 | 58 | 49 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts<br>Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 50 | 25 | 85 | 2.00 | 500 | 40 | 39 | 37 | 26 | 36 | 34 |
| 100 | 45 | 170 | 2.00 | 500 | 46 | 45 | 45 | 30 | 37 | 35 |
| 150 | 70 | 250 | 2.00 | 500 | 50 | 51 | 47 | 31 | 38 | 36 |
| 200 | 95 | 340 | 2.00 | 500 | 52 | 54 | 49 | 32 | 39 | 37 |
| 250 | 120 | 420 | 2.00 | 500 | 55 | 56 | 51 | 35 | 40 | 39 |
| 300 | 140 | 510 | 2.00 | 500 | 56 | 58 | 53 | 39 | 41 | 41 |
| 350 | 160 | 590 | 2.00 | 500 | 59 | 60 | 55 | 43 | 43 | 43 |
| 400 | 190 | 680 | 2.00 | 500 | 60 | 61 | 57 | 46 | 45 | 44 |
| 450 | 210 | 760 | 2.00 | 500 | 62 | 63 | 60 | 49 | 49 | 46 |
| 500 | 230 | 850 | 2.00 | 500 | 64 | 65 | 62 | 53 | 51 | 47 |
| 600 | 280 | 1000 | 2.00 | 500 | 67 | 67 | 66 | 57 | 55 | 49 |
| 700 | 330 | 1200 | 2.00 | 500 | 70 | 70 | 69 | 61 | 59 | 51 |
| 50 | 25 | 85 | 2.50 | 625 | 41 | 40 | 38 | 25 | 37 | 38 |
| 100 | 45 | 170 | 2.50 | 625 | 47 | 46 | 46 | 32 | 40 | 39 |
| 150 | 70 | 250 | 2.50 | 625 | 51 | 52 | 49 | 33 | 41 | 40 |
| 200 | 95 | 340 | 2.50 | 625 | 53 | 55 | 52 | 34 | 42 | 41 |
| 250 | 120 | 420 | 2.50 | 625 | 56 | 57 | 54 | 37 | 43 | 42 |
| 300 | 140 | 510 | 2.50 | 625 | 57 | 59 | 55 | 40 | 44 | 43 |
| 350 | 160 | 590 | 2.50 | 625 | 60 | 61 | 57 | 44 | 46 | 45 |
| 400 | 190 | 680 | 2.50 | 625 | 61 | 63 | 59 | 47 | 47 | 47 |
| 450 | 210 | 760 | 2.50 | 625 | 63 | 64 | 61 | 50 | 50 | 48 |
| 500 | 230 | 850 | 2.50 | 625 | 65 | 66 | 63 | 54 | 52 | 49 |
| 600 | 280 | 1000 | 2.50 | 625 | 68 | 69 | 67 | 58 | 56 | 51 |
| 700 | 330 | 1200 | 2.50 | 625 | 71 | 71 | 70 | 62 | 60 | 53 |
| 50 | 25 | 85 | 3.00 | 750 | 44 | 41 | 39 | 26 | 38 | 41 |
| 100 | 45 | 170 | 3.00 | 750 | 48 | 47 | 47 | 33 | 42 | 42 |
| 150 | 70 | 250 | 3.00 | 750 | 52 | 53 | 51 | 35 | 43 | 43 |
| 200 | 95 | 340 | 3.00 | 750 | 54 | 56 | 54 | 36 | 44 | 44 |
| 250 | 120 | 420 | 3.00 | 750 | 57 | 58 | 56 | 39 | 45 | 45 |
| 300 | 140 | 510 | 3.00 | 750 | 58 | 60 | 57 | 41 | 46 | 46 |
| 350 | 160 | 590 | 3.00 | 750 | 61 | 62 | 59 | 45 | 47 | 47 |
| 400 | 190 | 680 | 3.00 | 750 | 62 | 64 | 60 | 48 | 49 | 48 |
| 450 | 210 | 760 | 3.00 | 750 | 64 | 65 | 62 | 51 | 51 | 50 |
| 500 | 230 | 850 | 3.00 | 750 | 66 | 67 | 64 | 55 | 53 | 51 |
| 600 | 280 | 1000 | 3.00 | 750 | 69 | 70 | 68 | 59 | 57 | 53 |
| 700 | 330 | 1200 | 3.00 | 750 | 72 | 72 | 71 | 63 | 61 | 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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves
## Supply Sound Power Level Performance Data
### Size 10

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 100 | 45 | 170 | 0.60 | 150 | 38 | 43 | 41 | 39 | 31 | 23 |
| 200 | 95 | 340 | 0.60 | 150 | 45 | 46 | 42 | 44 | 40 | 34 |
| 300 | 140 | 510 | 0.60 | 150 | 51 | 47 | 43 | 49 | 45 | 39 |
| 400 | 190 | 680 | 0.60 | 150 | 55 | 49 | 45 | 52 | 48 | 42 |
| 500 | 230 | 850 | 0.60 | 150 | 57 | 52 | 47 | 53 | 50 | 44 |
| 600 | 280 | 1000 | 0.60 | 150 | 60 | 55 | 50 | 55 | 52 | 49 |
| 700 | 330 | 1200 | 0.60 | 150 | 61 | 56 | 52 | 57 | 53 | 50 |
| 800 | 380 | 1350 | 0.60 | 150 | 62 | 57 | 54 | 58 | 54 | 51 |
| 900 | 420 | 1500 | 0.60 | 150 | 63 | 58 | 55 | 60 | 55 | 54 |
| 1000 | 470 | 1700 | 0.60 | 150 | 64 | 59 | 56 | 61 | 56 | 56 |
| 100 | 45 | 170 | 1.00 | 250 | 40 | 44 | 42 | 46 | 40 | 32 |
| 200 | 95 | 340 | 1.00 | 250 | 48 | 50 | 47 | 49 | 46 | 40 |
| 300 | 140 | 510 | 1.00 | 250 | 53 | 53 | 48 | 53 | 50 | 45 |
| 400 | 190 | 680 | 1.00 | 250 | 57 | 55 | 50 | 57 | 54 | 49 |
| 500 | 230 | 850 | 1.00 | 250 | 60 | 56 | 52 | 59 | 56 | 51 |
| 600 | 280 | 1000 | 1.00 | 250 | 64 | 59 | 54 | 61 | 57 | 52 |
| 700 | 330 | 1200 | 1.00 | 250 | 66 | 62 | 57 | 62 | 58 | 54 |
| 800 | 380 | 1350 | 1.00 | 250 | 67 | 63 | 59 | 63 | 59 | 55 |
| 900 | 420 | 1500 | 1.00 | 250 | 68 | 64 | 61 | 65 | 60 | 57 |
| 1000 | 470 | 1700 | 1.00 | 250 | 70 | 65 | 63 | 66 | 61 | 58 |
| 100 | 45 | 170 | 1.50 | 375 | 41 | 46 | 43 | 48 | 48 | 40 |
| 200 | 95 | 340 | 1.50 | 375 | 49 | 53 | 49 | 53 | 50 | 44 |
| 300 | 140 | 510 | 1.50 | 375 | 54 | 57 | 52 | 56 | 54 | 50 |
| 400 | 190 | 680 | 1.50 | 375 | 58 | 59 | 54 | 60 | 58 | 53 |
| 500 | 230 | 850 | 1.50 | 375 | 61 | 60 | 56 | 63 | 60 | 56 |
| 600 | 280 | 1000 | 1.50 | 375 | 66 | 62 | 58 | 65 | 62 | 57 |
| 700 | 330 | 1200 | 1.50 | 375 | 68 | 64 | 60 | 66 | 63 | 58 |
| 800 | 380 | 1350 | 1.50 | 375 | 69 | 67 | 62 | 68 | 64 | 59 |
| 900 | 420 | 1500 | 1.50 | 375 | 72 | 69 | 65 | 69 | 65 | 60 |
| 1000 | 470 | 1700 | 1.50 | 375 | 73 | 70 | 68 | 70 | 66 | 61 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 100 | 45 | 170 | 2.00 | 500 | 42 | 47 | 44 | 49 | 51 | 46 |
| 200 | 95 | 340 | 2.00 | 500 | 51 | 54 | 51 | 55 | 53 | 48 |
| 300 | 140 | 510 | 2.00 | 500 | 55 | 58 | 54 | 59 | 57 | 52 |
| 400 | 190 | 680 | 2.00 | 500 | 59 | 62 | 57 | 62 | 60 | 56 |
| 500 | 230 | 850 | 2.00 | 500 | 62 | 64 | 59 | 65 | 63 | 59 |
| 600 | 280 | 1000 | 2.00 | 500 | 67 | 65 | 60 | 68 | 65 | 61 |
| 700 | 330 | 1200 | 2.00 | 500 | 69 | 67 | 62 | 69 | 66 | 62 |
| 800 | 380 | 1350 | 2.00 | 500 | 70 | 68 | 64 | 71 | 67 | 63 |
| 900 | 420 | 1500 | 2.00 | 500 | 73 | 71 | 66 | 72 | 68 | 64 |
| 1000 | 470 | 1700 | 2.00 | 500 | 75 | 73 | 70 | 73 | 69 | 65 |
| 100 | 45 | 170 | 2.50 | 625 | 43 | 48 | 45 | 50 | 53 | 51 |
| 200 | 95 | 340 | 2.50 | 625 | 52 | 55 | 53 | 56 | 55 | 52 |
| 300 | 140 | 510 | 2.50 | 625 | 56 | 59 | 56 | 61 | 59 | 55 |
| 400 | 190 | 680 | 2.50 | 625 | 60 | 63 | 59 | 64 | 62 | 58 |
| 500 | 230 | 850 | 2.50 | 625 | 63 | 65 | 61 | 67 | 65 | 61 |
| 600 | 280 | 1000 | 2.50 | 625 | 68 | 68 | 63 | 70 | 67 | 63 |
| 700 | 330 | 1200 | 2.50 | 625 | 70 | 69 | 64 | 71 | 69 | 65 |
| 800 | 380 | 1350 | 2.50 | 625 | 71 | 70 | 65 | 73 | 70 | 66 |
| 900 | 420 | 1500 | 2.50 | 625 | 74 | 72 | 67 | 74 | 71 | 67 |
| 1000 | 470 | 1700 | 2.50 | 625 | 77 | 75 | 71 | 75 | 72 | 68 |
| 100 | 45 | 170 | 3.00 | 750 | 44 | 49 | 46 | 51 | 54 | 53 |
| 200 | 95 | 340 | 3.00 | 750 | 53 | 56 | 54 | 58 | 56 | 54 |
| 300 | 140 | 510 | 3.00 | 750 | 57 | 60 | 58 | 62 | 60 | 56 |
| 400 | 190 | 680 | 3.00 | 750 | 61 | 64 | 61 | 66 | 64 | 60 |
| 500 | 230 | 850 | 3.00 | 750 | 64 | 66 | 63 | 68 | 66 | 62 |
| 600 | 280 | 1000 | 3.00 | 750 | 69 | 69 | 65 | 71 | 69 | 65 |
| 700 | 330 | 1200 | 3.00 | 750 | 71 | 70 | 66 | 73 | 71 | 67 |
| 800 | 380 | 1350 | 3.00 | 750 | 72 | 71 | 67 | 75 | 72 | 68 |
| 900 | 420 | 1500 | 3.00 | 750 | 75 | 73 | 68 | 76 | 73 | 69 |
| 1000 | 470 | 1700 | 3.00 | 750 | 78 | 76 | 72 | 77 | 74 | 70 |

**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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves
## Supply Sound Power Level Performance Data
### Size 10 With Neutralizer

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 100 | 45 | 170 | 0.60 | 150 | 38 | 40 | 38 | 23 | 23 | < 20 |
| 200 | 95 | 340 | 0.60 | 150 | 45 | 42 | 39 | 27 | 29 | 27 |
| 300 | 140 | 510 | 0.60 | 150 | 49 | 46 | 41 | 32 | 34 | 33 |
| 400 | 190 | 680 | 0.60 | 150 | 52 | 49 | 43 | 36 | 36 | 35 |
| 500 | 230 | 850 | 0.60 | 150 | 55 | 52 | 47 | 39 | 39 | 39 |
| 600 | 280 | 1000 | 0.60 | 150 | 57 | 55 | 49 | 43 | 41 | 43 |
| 700 | 330 | 1200 | 0.60 | 150 | 59 | 56 | 51 | 45 | 43 | 45 |
| 800 | 380 | 1350 | 0.60 | 150 | 60 | 57 | 53 | 48 | 45 | 46 |
| 900 | 420 | 1500 | 0.60 | 150 | 61 | 58 | 55 | 51 | 48 | 49 |
| 1000 | 470 | 1700 | 0.60 | 150 | 62 | 59 | 56 | 53 | 50 | 50 |
| 100 | 45 | 170 | 1.00 | 250 | 39 | 42 | 39 | 29 | 33 | 26 |
| 200 | 95 | 340 | 1.00 | 250 | 46 | 47 | 43 | 32 | 36 | 33 |
| 300 | 140 | 510 | 1.00 | 250 | 51 | 50 | 45 | 36 | 39 | 39 |
| 400 | 190 | 680 | 1.00 | 250 | 55 | 53 | 48 | 40 | 41 | 42 |
| 500 | 230 | 850 | 1.00 | 250 | 58 | 56 | 50 | 43 | 44 | 44 |
| 600 | 280 | 1000 | 1.00 | 250 | 61 | 58 | 53 | 46 | 45 | 45 |
| 700 | 330 | 1200 | 1.00 | 250 | 63 | 61 | 55 | 49 | 47 | 47 |
| 800 | 380 | 1350 | 1.00 | 250 | 65 | 62 | 57 | 51 | 49 | 48 |
| 900 | 420 | 1500 | 1.00 | 250 | 66 | 63 | 59 | 54 | 51 | 50 |
| 1000 | 470 | 1700 | 1.00 | 250 | 67 | 64 | 60 | 55 | 52 | 51 |
| 100 | 45 | 170 | 1.50 | 375 | 40 | 43 | 41 | 30 | 39 | 33 |
| 200 | 95 | 340 | 1.50 | 375 | 48 | 50 | 45 | 35 | 40 | 37 |
| 300 | 140 | 510 | 1.50 | 375 | 53 | 54 | 49 | 39 | 43 | 43 |
| 400 | 190 | 680 | 1.50 | 375 | 57 | 57 | 52 | 43 | 46 | 46 |
| 500 | 230 | 850 | 1.50 | 375 | 61 | 59 | 54 | 46 | 47 | 48 |
| 600 | 280 | 1000 | 1.50 | 375 | 63 | 61 | 55 | 48 | 49 | 50 |
| 700 | 330 | 1200 | 1.50 | 375 | 66 | 63 | 58 | 51 | 50 | 51 |
| 800 | 380 | 1350 | 1.50 | 375 | 68 | 65 | 60 | 54 | 52 | 52 |
| 900 | 420 | 1500 | 1.50 | 375 | 69 | 67 | 62 | 56 | 54 | 53 |
| 1000 | 470 | 1700 | 1.50 | 375 | 70 | 68 | 64 | 58 | 56 | 54 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 100 | 45 | 170 | 2.00 | 500 | 41 | 45 | 42 | 32 | 42 | 39 |
| 200 | 95 | 340 | 2.00 | 500 | 50 | 51 | 47 | 37 | 43 | 41 |
| 300 | 140 | 510 | 2.00 | 500 | 54 | 56 | 52 | 42 | 46 | 46 |
| 400 | 190 | 680 | 2.00 | 500 | 58 | 59 | 54 | 45 | 48 | 49 |
| 500 | 230 | 850 | 2.00 | 500 | 62 | 62 | 56 | 48 | 51 | 52 |
| 600 | 280 | 1000 | 2.00 | 500 | 64 | 63 | 58 | 50 | 52 | 53 |
| 700 | 330 | 1200 | 2.00 | 500 | 67 | 65 | 60 | 52 | 54 | 54 |
| 800 | 380 | 1350 | 2.00 | 500 | 69 | 67 | 62 | 55 | 55 | 55 |
| 900 | 420 | 1500 | 2.00 | 500 | 71 | 69 | 64 | 58 | 57 | 56 |
| 1000 | 470 | 1700 | 2.00 | 500 | 73 | 71 | 66 | 60 | 58 | 57 |
| 100 | 45 | 170 | 2.50 | 625 | 42 | 45 | 42 | 32 | 43 | 42 |
| 200 | 95 | 340 | 2.50 | 625 | 50 | 52 | 50 | 38 | 44 | 43 |
| 300 | 140 | 510 | 2.50 | 625 | 55 | 57 | 54 | 43 | 48 | 48 |
| 400 | 190 | 680 | 2.50 | 625 | 60 | 61 | 57 | 47 | 51 | 51 |
| 500 | 230 | 850 | 2.50 | 625 | 63 | 63 | 58 | 49 | 53 | 54 |
| 600 | 280 | 1000 | 2.50 | 625 | 66 | 65 | 60 | 52 | 54 | 56 |
| 700 | 330 | 1200 | 2.50 | 625 | 68 | 67 | 62 | 54 | 56 | 57 |
| 800 | 380 | 1350 | 2.50 | 625 | 70 | 69 | 63 | 56 | 58 | 58 |
| 900 | 420 | 1500 | 2.50 | 625 | 72 | 71 | 65 | 59 | 59 | 59 |
| 1000 | 470 | 1700 | 2.50 | 625 | 74 | 72 | 67 | 61 | 60 | 60 |
| 100 | 45 | 170 | 3.00 | 750 | 43 | 46 | 44 | 34 | 45 | 45 |
| 200 | 95 | 340 | 3.00 | 750 | 51 | 53 | 51 | 40 | 46 | 46 |
| 300 | 140 | 510 | 3.00 | 750 | 56 | 58 | 55 | 45 | 50 | 49 |
| 400 | 190 | 680 | 3.00 | 750 | 60 | 61 | 58 | 48 | 52 | 53 |
| 500 | 230 | 850 | 3.00 | 750 | 63 | 64 | 60 | 51 | 55 | 56 |
| 600 | 280 | 1000 | 3.00 | 750 | 66 | 67 | 62 | 53 | 57 | 58 |
| 700 | 330 | 1200 | 3.00 | 750 | 68 | 68 | 63 | 56 | 58 | 59 |
| 800 | 380 | 1350 | 3.00 | 750 | 71 | 70 | 64 | 57 | 60 | 61 |
| 900 | 420 | 1500 | 3.00 | 750 | 73 | 72 | 66 | 59 | 61 | 62 |
| 1000 | 470 | 1700 | 3.00 | 750 | 75 | 74 | 68 | 62 | 62 | 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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves

## Supply Sound Power Level Performance Data

### Size 12

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 200 | 95 | 340 | 0.60 | 150 | 44 | 46 | 43 | 42 | 34 | 27 |
| 400 | 190 | 680 | 0.60 | 150 | 53 | 49 | 44 | 49 | 45 | 39 |
| 600 | 280 | 1000 | 0.60 | 150 | 56 | 52 | 46 | 53 | 48 | 43 |
| 800 | 380 | 1350 | 0.60 | 150 | 59 | 55 | 49 | 54 | 50 | 51 |
| 1000 | 470 | 1700 | 0.60 | 150 | 62 | 58 | 53 | 58 | 53 | 52 |
| 1200 | 560 | 2050 | 0.60 | 150 | 63 | 59 | 55 | 60 | 54 | 53 |
| 1400 | 660 | 2400 | 0.60 | 150 | 64 | 60 | 57 | 62 | 56 | 55 |
| 1500 | 710 | 2550 | 0.60 | 150 | 65 | 61 | 58 | 63 | 57 | 56 |
| 200 | 95 | 340 | 1.00 | 250 | 46 | 51 | 48 | 49 | 44 | 35 |
| 400 | 190 | 680 | 1.00 | 250 | 54 | 54 | 49 | 54 | 50 | 45 |
| 600 | 280 | 1000 | 1.00 | 250 | 59 | 56 | 52 | 59 | 55 | 50 |
| 800 | 380 | 1350 | 1.00 | 250 | 63 | 59 | 54 | 61 | 56 | 53 |
| 1000 | 470 | 1700 | 1.00 | 250 | 65 | 63 | 57 | 63 | 58 | 54 |
| 1200 | 560 | 2050 | 1.00 | 250 | 66 | 65 | 60 | 65 | 59 | 56 |
| 1400 | 660 | 2400 | 1.00 | 250 | 70 | 66 | 63 | 68 | 61 | 58 |
| 1500 | 710 | 2550 | 1.00 | 250 | 71 | 67 | 64 | 69 | 62 | 59 |
| 200 | 95 | 340 | 1.50 | 375 | 47 | 52 | 50 | 52 | 51 | 43 |
| 400 | 190 | 680 | 1.50 | 375 | 55 | 60 | 53 | 57 | 54 | 49 |
| 600 | 280 | 1000 | 1.50 | 375 | 60 | 62 | 56 | 63 | 59 | 55 |
| 800 | 380 | 1350 | 1.50 | 375 | 64 | 63 | 59 | 65 | 61 | 56 |
| 1000 | 470 | 1700 | 1.50 | 375 | 66 | 65 | 60 | 66 | 62 | 57 |
| 1200 | 560 | 2050 | 1.50 | 375 | 67 | 66 | 61 | 67 | 63 | 58 |
| 1400 | 660 | 2400 | 1.50 | 375 | 72 | 70 | 66 | 71 | 65 | 61 |
| 1500 | 710 | 2550 | 1.50 | 375 | 74 | 72 | 68 | 72 | 66 | 62 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 200 | 95 | 340 | 2.00 | 500 | 49 | 53 | 51 | 54 | 54 | 49 |
| 400 | 190 | 680 | 2.00 | 500 | 56 | 61 | 56 | 60 | 57 | 53 |
| 600 | 280 | 1000 | 2.00 | 500 | 61 | 66 | 59 | 65 | 62 | 58 |
| 800 | 380 | 1350 | 2.00 | 500 | 65 | 67 | 62 | 69 | 65 | 61 |
| 1000 | 470 | 1700 | 2.00 | 500 | 68 | 69 | 64 | 71 | 66 | 62 |
| 1200 | 560 | 2050 | 2.00 | 500 | 70 | 70 | 65 | 72 | 67 | 63 |
| 1400 | 660 | 2400 | 2.00 | 500 | 73 | 73 | 68 | 74 | 68 | 64 |
| 1500 | 710 | 2550 | 2.00 | 500 | 75 | 74 | 69 | 75 | 69 | 65 |
| 200 | 95 | 340 | 2.50 | 625 | 50 | 54 | 52 | 55 | 56 | 53 |
| 400 | 190 | 680 | 2.50 | 625 | 57 | 62 | 58 | 61 | 59 | 55 |
| 600 | 280 | 1000 | 2.50 | 625 | 62 | 67 | 62 | 67 | 64 | 60 |
| 800 | 380 | 1350 | 2.50 | 625 | 66 | 69 | 64 | 70 | 67 | 63 |
| 1000 | 470 | 1700 | 2.50 | 625 | 69 | 70 | 67 | 73 | 70 | 65 |
| 1200 | 560 | 2050 | 2.50 | 625 | 71 | 71 | 68 | 75 | 71 | 66 |
| 1400 | 660 | 2400 | 2.50 | 625 | 74 | 74 | 70 | 76 | 72 | 67 |
| 1500 | 710 | 2550 | 2.50 | 625 | 76 | 75 | 71 | 77 | 73 | 68 |
| 200 | 95 | 340 | 3.00 | 750 | 51 | 55 | 53 | 56 | 57 | 54 |
| 400 | 190 | 680 | 3.00 | 750 | 58 | 63 | 61 | 63 | 60 | 57 |
| 600 | 280 | 1000 | 3.00 | 750 | 63 | 68 | 64 | 68 | 65 | 61 |
| 800 | 380 | 1350 | 3.00 | 750 | 67 | 71 | 66 | 72 | 69 | 65 |
| 1000 | 470 | 1700 | 3.00 | 750 | 70 | 72 | 68 | 75 | 71 | 67 |
| 1200 | 560 | 2050 | 3.00 | 750 | 72 | 73 | 69 | 77 | 72 | 68 |
| 1400 | 660 | 2400 | 3.00 | 750 | 75 | 75 | 71 | 78 | 73 | 69 |
| 1500 | 710 | 2550 | 3.00 | 750 | 77 | 76 | 72 | 79 | 74 | 70 |

**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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves

## Supply Sound Power Level Performance Data

### Size 12 With Neutralizer

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 200 | 95 | 340 | 0.60 | 150 | 44 | 43 | 41 | 33 | 28 | 25 |
| 400 | 190 | 680 | 0.60 | 150 | 50 | 45 | 42 | 37 | 35 | 33 |
| 600 | 280 | 1000 | 0.60 | 150 | 54 | 49 | 44 | 40 | 38 | 36 |
| 800 | 380 | 1350 | 0.60 | 150 | 57 | 52 | 47 | 43 | 40 | 38 |
| 1000 | 470 | 1700 | 0.60 | 150 | 59 | 54 | 50 | 47 | 43 | 42 |
| 1200 | 560 | 2050 | 0.60 | 150 | 62 | 57 | 53 | 49 | 45 | 45 |
| 1400 | 660 | 2400 | 0.60 | 150 | 63 | 59 | 55 | 52 | 47 | 48 |
| 1500 | 710 | 2550 | 0.60 | 150 | 64 | 60 | 56 | 54 | 49 | 49 |
| 200 | 95 | 340 | 1.00 | 250 | 46 | 46 | 45 | 39 | 37 | 31 |
| 400 | 190 | 680 | 1.00 | 250 | 51 | 51 | 47 | 42 | 41 | 39 |
| 600 | 280 | 1000 | 1.00 | 250 | 57 | 54 | 49 | 45 | 44 | 43 |
| 800 | 380 | 1350 | 1.00 | 250 | 62 | 57 | 52 | 48 | 46 | 46 |
| 1000 | 470 | 1700 | 1.00 | 250 | 64 | 59 | 54 | 50 | 47 | 47 |
| 1200 | 560 | 2050 | 1.00 | 250 | 66 | 61 | 56 | 53 | 49 | 48 |
| 1400 | 660 | 2400 | 1.00 | 250 | 68 | 63 | 59 | 57 | 51 | 50 |
| 1500 | 710 | 2550 | 1.00 | 250 | 69 | 64 | 60 | 58 | 52 | 51 |
| 200 | 95 | 340 | 1.50 | 375 | 47 | 47 | 47 | 42 | 42 | 37 |
| 400 | 190 | 680 | 1.50 | 375 | 52 | 54 | 50 | 45 | 44 | 42 |
| 600 | 280 | 1000 | 1.50 | 375 | 58 | 57 | 53 | 48 | 47 | 47 |
| 800 | 380 | 1350 | 1.50 | 375 | 63 | 60 | 55 | 52 | 50 | 50 |
| 1000 | 470 | 1700 | 1.50 | 375 | 66 | 62 | 58 | 54 | 52 | 51 |
| 1200 | 560 | 2050 | 1.50 | 375 | 67 | 64 | 60 | 56 | 53 | 52 |
| 1400 | 660 | 2400 | 1.50 | 375 | 70 | 66 | 62 | 60 | 54 | 53 |
| 1500 | 710 | 2550 | 1.50 | 375 | 72 | 67 | 63 | 61 | 55 | 54 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 200 | 95 | 340 | 2.00 | 500 | 48 | 48 | 49 | 44 | 45 | 42 |
| 400 | 190 | 680 | 2.00 | 500 | 53 | 55 | 52 | 46 | 47 | 45 |
| 600 | 280 | 1000 | 2.00 | 500 | 59 | 60 | 56 | 50 | 49 | 49 |
| 800 | 380 | 1350 | 2.00 | 500 | 64 | 63 | 58 | 54 | 53 | 53 |
| 1000 | 470 | 1700 | 2.00 | 500 | 67 | 65 | 60 | 57 | 55 | 55 |
| 1200 | 560 | 2050 | 2.00 | 500 | 69 | 67 | 62 | 59 | 56 | 56 |
| 1400 | 660 | 2400 | 2.00 | 500 | 72 | 69 | 64 | 61 | 57 | 57 |
| 1500 | 710 | 2550 | 2.00 | 500 | 73 | 70 | 66 | 63 | 58 | 58 |
| 200 | 95 | 340 | 2.50 | 625 | 50 | 49 | 52 | 46 | 46 | 46 |
| 400 | 190 | 680 | 2.50 | 625 | 55 | 56 | 55 | 48 | 48 | 48 |
| 600 | 280 | 1000 | 2.50 | 625 | 60 | 61 | 58 | 52 | 51 | 52 |
| 800 | 380 | 1350 | 2.50 | 625 | 65 | 65 | 60 | 56 | 55 | 55 |
| 1000 | 470 | 1700 | 2.50 | 625 | 68 | 67 | 63 | 59 | 57 | 58 |
| 1200 | 560 | 2050 | 2.50 | 625 | 70 | 69 | 65 | 61 | 59 | 60 |
| 1400 | 660 | 2400 | 2.50 | 625 | 73 | 70 | 66 | 63 | 61 | 61 |
| 1500 | 710 | 2550 | 2.50 | 625 | 74 | 71 | 67 | 64 | 62 | 62 |
| 200 | 95 | 340 | 3.00 | 750 | 51 | 50 | 53 | 48 | 48 | 48 |
| 400 | 190 | 680 | 3.00 | 750 | 56 | 57 | 56 | 50 | 50 | 50 |
| 600 | 280 | 1000 | 3.00 | 750 | 61 | 62 | 60 | 54 | 53 | 54 |
| 800 | 380 | 1350 | 3.00 | 750 | 66 | 66 | 62 | 57 | 56 | 57 |
| 1000 | 470 | 1700 | 3.00 | 750 | 69 | 68 | 64 | 60 | 59 | 59 |
| 1200 | 560 | 2050 | 3.00 | 750 | 71 | 70 | 66 | 62 | 61 | 62 |
| 1400 | 660 | 2400 | 3.00 | 750 | 74 | 72 | 68 | 65 | 63 | 63 |
| 1500 | 710 | 2550 | 3.00 | 750 | 75 | 73 | 69 | 66 | 64 | 64 |

**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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves
## Supply Without Neutralizer Sound Power Level Test Data
### Size 114

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 200 | 94 | 340 | 0.60 | 150 | 33 | 37 | 39 | 34 | 32 | 25 |
| 400 | 189 | 680 | 0.60 | 150 | 41 | 46 | 45 | 44 | 40 | 33 |
| 600 | 283 | 1019 | 0.60 | 150 | 52 | 48 | 49 | 48 | 46 | 39 |
| 800 | 378 | 1359 | 0.60 | 150 | 57 | 49 | 51 | 52 | 48 | 42 |
| 1000 | 472 | 1699 | 0.60 | 150 | 59 | 50 | 53 | 53 | 50 | 46 |
| 1200 | 566 | 2039 | 0.60 | 150 | 63 | 54 | 55 | 55 | 52 | 47 |
| 1400 | 661 | 2379 | 0.60 | 150 | 65 | 55 | 55 | 55 | 53 | 49 |
| 1600 | 755 | 2718 | 0.60 | 150 | 64 | 57 | 57 | 58 | 54 | 50 |
| 1800 | 850 | 3058 | 0.60 | 150 | 69 | 60 | 59 | 59 | 54 | 50 |
| 2000 | 944 | 3398 | 0.60 | 150 | 70 | 63 | 61 | 61 | 55 | 52 |
| 2200 | 1038 | 3738 | 0.60 | 150 | 72 | 65 | 63 | 62 | 55 | 51 |
| 2400 | 1133 | 4078 | 0.60 | 150 | 73 | 67 | 64 | 63 | 57 | 53 |
| 200 | 94 | 340 | 1.00 | 250 | 36 | 42 | 46 | 39 | 38 | 34 |
| 400 | 189 | 680 | 1.00 | 250 | 45 | 50 | 50 | 48 | 46 | 40 |
| 600 | 283 | 1019 | 1.00 | 250 | 54 | 52 | 54 | 53 | 51 | 45 |
| 800 | 378 | 1359 | 1.00 | 250 | 59 | 55 | 56 | 56 | 54 | 48 |
| 1000 | 472 | 1699 | 1.00 | 250 | 61 | 57 | 58 | 59 | 56 | 51 |
| 1200 | 566 | 2039 | 1.00 | 250 | 65 | 59 | 60 | 61 | 58 | 53 |
| 1400 | 661 | 2379 | 1.00 | 250 | 67 | 60 | 61 | 61 | 59 | 54 |
| 1600 | 755 | 2718 | 1.00 | 250 | 67 | 62 | 63 | 63 | 60 | 56 |
| 1800 | 850 | 3058 | 1.00 | 250 | 70 | 65 | 64 | 64 | 60 | 56 |
| 2000 | 944 | 3398 | 1.00 | 250 | 72 | 67 | 66 | 66 | 61 | 57 |
| 2200 | 1038 | 3738 | 1.00 | 250 | 74 | 69 | 68 | 67 | 62 | 58 |
| 2400 | 1133 | 4078 | 1.00 | 250 | 75 | 71 | 69 | 68 | 62 | 59 |
| 200 | 94 | 340 | 1.50 | 375 | 39 | 46 | 51 | 43 | 40 | 37 |
| 400 | 189 | 680 | 1.50 | 375 | 49 | 53 | 54 | 52 | 50 | 46 |
| 600 | 283 | 1019 | 1.50 | 375 | 56 | 56 | 57 | 57 | 55 | 50 |
| 800 | 378 | 1359 | 1.50 | 375 | 61 | 59 | 60 | 60 | 58 | 53 |
| 1000 | 472 | 1699 | 1.50 | 375 | 63 | 61 | 62 | 63 | 60 | 56 |
| 1200 | 566 | 2039 | 1.50 | 375 | 67 | 63 | 64 | 65 | 62 | 58 |
| 1400 | 661 | 2379 | 1.50 | 375 | 69 | 64 | 66 | 66 | 63 | 59 |
| 1600 | 755 | 2718 | 1.50 | 375 | 70 | 66 | 67 | 68 | 64 | 60 |
| 1800 | 850 | 3058 | 1.50 | 375 | 74 | 68 | 69 | 69 | 65 | 61 |
| 2000 | 944 | 3398 | 1.50 | 375 | 75 | 70 | 70 | 70 | 66 | 62 |
| 2200 | 1038 | 3738 | 1.50 | 375 | 77 | 72 | 71 | 71 | 66 | 62 |
| 2400 | 1133 | 4078 | 1.50 | 375 | 78 | 74 | 73 | 72 | 67 | 64 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 200 | 94 | 340 | 2.00 | 500 | 41 | 48 | 52 | 45 | 43 | 41 |
| 400 | 189 | 680 | 2.00 | 500 | 51 | 55 | 56 | 55 | 53 | 49 |
| 600 | 283 | 1019 | 2.00 | 500 | 57 | 59 | 60 | 60 | 58 | 53 |
| 800 | 378 | 1359 | 2.00 | 500 | 62 | 62 | 63 | 63 | 61 | 56 |
| 1000 | 472 | 1699 | 2.00 | 500 | 65 | 64 | 65 | 66 | 64 | 59 |
| 1200 | 566 | 2039 | 2.00 | 500 | 68 | 66 | 67 | 68 | 65 | 61 |
| 1400 | 661 | 2379 | 2.00 | 500 | 71 | 67 | 69 | 69 | 67 | 63 |
| 1600 | 755 | 2718 | 2.00 | 500 | 72 | 69 | 70 | 71 | 68 | 64 |
| 1800 | 850 | 3058 | 2.00 | 500 | 75 | 71 | 72 | 72 | 69 | 65 |
| 2000 | 944 | 3398 | 2.00 | 500 | 77 | 72 | 73 | 73 | 69 | 65 |
| 2200 | 1038 | 3738 | 2.00 | 500 | 78 | 74 | 74 | 74 | 70 | 66 |
| 2400 | 1133 | 4078 | 2.00 | 500 | 79 | 76 | 76 | 75 | 71 | 67 |
| 200 | 94 | 340 | 2.50 | 625 | 43 | 51 | 54 | 47 | 45 | 43 |
| 400 | 189 | 680 | 2.50 | 625 | 52 | 57 | 58 | 57 | 56 | 52 |
| 600 | 283 | 1019 | 2.50 | 625 | 58 | 61 | 62 | 62 | 60 | 56 |
| 800 | 378 | 1359 | 2.50 | 625 | 63 | 64 | 65 | 65 | 63 | 59 |
| 1000 | 472 | 1699 | 2.50 | 625 | 66 | 66 | 68 | 68 | 66 | 62 |
| 1200 | 566 | 2039 | 2.50 | 625 | 69 | 69 | 70 | 70 | 68 | 64 |
| 1400 | 661 | 2379 | 2.50 | 625 | 72 | 69 | 71 | 72 | 70 | 65 |
| 1600 | 755 | 2718 | 2.50 | 625 | 73 | 71 | 73 | 73 | 71 | 66 |
| 1800 | 850 | 3058 | 2.50 | 625 | 77 | 73 | 74 | 74 | 72 | 68 |
| 2000 | 944 | 3398 | 2.50 | 625 | 78 | 74 | 75 | 75 | 72 | 68 |
| 2200 | 1038 | 3738 | 2.50 | 625 | 79 | 76 | 76 | 76 | 73 | 69 |
| 2400 | 1133 | 4078 | 2.50 | 625 | 81 | 77 | 78 | 77 | 73 | 70 |
| 200 | 94 | 340 | 3.00 | 750 | 44 | 52 | 55 | 49 | 47 | 45 |
| 400 | 189 | 680 | 3.00 | 750 | 53 | 58 | 60 | 58 | 58 | 55 |
| 600 | 283 | 1019 | 3.00 | 750 | 59 | 62 | 63 | 63 | 62 | 58 |
| 800 | 378 | 1359 | 3.00 | 750 | 64 | 65 | 67 | 67 | 65 | 61 |
| 1000 | 472 | 1699 | 3.00 | 750 | 67 | 67 | 70 | 70 | 68 | 64 |
| 1200 | 566 | 2039 | 3.00 | 750 | 70 | 71 | 71 | 72 | 70 | 66 |
| 1400 | 661 | 2379 | 3.00 | 750 | 73 | 71 | 73 | 74 | 72 | 68 |
| 1600 | 755 | 2718 | 3.00 | 750 | 74 | 72 | 75 | 75 | 73 | 69 |
| 1800 | 850 | 3058 | 3.00 | 750 | 78 | 74 | 76 | 76 | 74 | 70 |
| 2000 | 944 | 3398 | 3.00 | 750 | 79 | 76 | 77 | 77 | 74 | 70 |
| 2200 | 1038 | 3738 | 3.00 | 750 | 80 | 77 | 78 | 78 | 75 | 71 |
| 2400 | 1133 | 4078 | 3.00 | 750 | 82 | 79 | 79 | 79 | 75 | 72 |

**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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves
## Supply With Neutralizer Sound Power Level Test Data
### Size 114

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 200 | 94 | 340 | 0.60 | 150 | 33 | 37 | 38 | 24 | 27 | 22 |
| 400 | 189 | 680 | 0.60 | 150 | 41 | 46 | 43 | 33 | 35 | 29 |
| 600 | 283 | 1019 | 0.60 | 150 | 52 | 48 | 47 | 38 | 41 | 36 |
| 800 | 378 | 1359 | 0.60 | 150 | 57 | 49 | 49 | 41 | 43 | 39 |
| 1000 | 472 | 1699 | 0.60 | 150 | 59 | 50 | 52 | 42 | 45 | 42 |
| 1200 | 566 | 2039 | 0.60 | 150 | 62 | 54 | 53 | 44 | 47 | 44 |
| 1400 | 661 | 2379 | 0.60 | 150 | 64 | 55 | 53 | 44 | 48 | 45 |
| 1600 | 755 | 2718 | 0.60 | 150 | 64 | 57 | 56 | 47 | 49 | 47 |
| 1800 | 850 | 3058 | 0.60 | 150 | 68 | 60 | 58 | 48 | 49 | 47 |
| 2000 | 944 | 3398 | 0.60 | 150 | 69 | 63 | 59 | 50 | 50 | 48 |
| 2200 | 1038 | 3738 | 0.60 | 150 | 71 | 65 | 61 | 51 | 50 | 48 |
| 2400 | 1133 | 4078 | 0.60 | 150 | 72 | 67 | 63 | 52 | 51 | 50 |
| 200 | 94 | 340 | 1.00 | 250 | 36 | 42 | 44 | 28 | 33 | 31 |
| 400 | 189 | 680 | 1.00 | 250 | 45 | 50 | 49 | 38 | 41 | 37 |
| 600 | 283 | 1019 | 1.00 | 250 | 54 | 52 | 52 | 42 | 46 | 42 |
| 800 | 378 | 1359 | 1.00 | 250 | 59 | 55 | 55 | 45 | 49 | 45 |
| 1000 | 472 | 1699 | 1.00 | 250 | 61 | 57 | 57 | 48 | 51 | 48 |
| 1200 | 566 | 2039 | 1.00 | 250 | 64 | 59 | 59 | 50 | 53 | 50 |
| 1400 | 661 | 2379 | 1.00 | 250 | 66 | 60 | 60 | 50 | 54 | 51 |
| 1600 | 755 | 2718 | 1.00 | 250 | 67 | 62 | 61 | 52 | 55 | 52 |
| 1800 | 850 | 3058 | 1.00 | 250 | 70 | 65 | 63 | 53 | 55 | 53 |
| 2000 | 944 | 3398 | 1.00 | 250 | 71 | 67 | 64 | 55 | 56 | 54 |
| 2200 | 1038 | 3738 | 1.00 | 250 | 73 | 69 | 66 | 56 | 57 | 55 |
| 2400 | 1133 | 4078 | 1.00 | 250 | 75 | 71 | 67 | 57 | 57 | 56 |
| 200 | 94 | 340 | 1.50 | 375 | 39 | 46 | 49 | 32 | 35 | 34 |
| 400 | 189 | 680 | 1.50 | 375 | 49 | 53 | 52 | 41 | 45 | 42 |
| 600 | 283 | 1019 | 1.50 | 375 | 56 | 56 | 56 | 46 | 50 | 47 |
| 800 | 378 | 1359 | 1.50 | 375 | 61 | 59 | 59 | 49 | 53 | 50 |
| 1000 | 472 | 1699 | 1.50 | 375 | 63 | 61 | 61 | 52 | 56 | 52 |
| 1200 | 566 | 2039 | 1.50 | 375 | 66 | 63 | 63 | 54 | 57 | 54 |
| 1400 | 661 | 2379 | 1.50 | 375 | 68 | 64 | 64 | 55 | 58 | 56 |
| 1600 | 755 | 2718 | 1.50 | 375 | 70 | 66 | 66 | 57 | 59 | 57 |
| 1800 | 850 | 3058 | 1.50 | 375 | 72 | 68 | 67 | 58 | 60 | 58 |
| 2000 | 944 | 3398 | 1.50 | 375 | 74 | 70 | 68 | 59 | 61 | 59 |
| 2200 | 1038 | 3738 | 1.50 | 375 | 75 | 72 | 70 | 60 | 61 | 59 |
| 2400 | 1133 | 4078 | 1.50 | 375 | 77 | 74 | 71 | 61 | 62 | 60 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 200 | 94 | 340 | 2.00 | 500 | 41 | 48 | 51 | 35 | 38 | 37 |
| 400 | 189 | 680 | 2.00 | 500 | 51 | 55 | 55 | 44 | 48 | 46 |
| 600 | 283 | 1019 | 2.00 | 500 | 57 | 59 | 58 | 49 | 53 | 50 |
| 800 | 378 | 1359 | 2.00 | 500 | 62 | 62 | 61 | 52 | 56 | 53 |
| 1000 | 472 | 1699 | 2.00 | 500 | 65 | 64 | 64 | 55 | 59 | 56 |
| 1200 | 566 | 2039 | 2.00 | 500 | 68 | 66 | 66 | 57 | 60 | 58 |
| 1400 | 661 | 2379 | 2.00 | 500 | 70 | 67 | 68 | 58 | 62 | 59 |
| 1600 | 755 | 2718 | 2.00 | 500 | 72 | 69 | 69 | 60 | 63 | 60 |
| 1800 | 850 | 3058 | 2.00 | 500 | 74 | 71 | 70 | 61 | 64 | 61 |
| 2000 | 944 | 3398 | 2.00 | 500 | 75 | 72 | 71 | 62 | 64 | 62 |
| 2200 | 1038 | 3738 | 2.00 | 500 | 77 | 74 | 72 | 63 | 65 | 62 |
| 2400 | 1133 | 4078 | 2.00 | 500 | 78 | 76 | 74 | 63 | 65 | 64 |
| 200 | 94 | 340 | 2.50 | 625 | 43 | 51 | 52 | 37 | 40 | 40 |
| 400 | 189 | 680 | 2.50 | 625 | 52 | 57 | 57 | 46 | 51 | 49 |
| 600 | 283 | 1019 | 2.50 | 625 | 58 | 61 | 60 | 51 | 55 | 53 |
| 800 | 378 | 1359 | 2.50 | 625 | 63 | 64 | 64 | 54 | 58 | 56 |
| 1000 | 472 | 1699 | 2.50 | 625 | 66 | 66 | 66 | 57 | 61 | 58 |
| 1200 | 566 | 2039 | 2.50 | 625 | 69 | 69 | 68 | 59 | 63 | 60 |
| 1400 | 661 | 2379 | 2.50 | 625 | 71 | 69 | 70 | 61 | 64 | 62 |
| 1600 | 755 | 2718 | 2.50 | 625 | 73 | 71 | 71 | 62 | 65 | 63 |
| 1800 | 850 | 3058 | 2.50 | 625 | 75 | 73 | 72 | 63 | 66 | 64 |
| 2000 | 944 | 3398 | 2.50 | 625 | 76 | 74 | 74 | 64 | 67 | 65 |
| 2200 | 1038 | 3738 | 2.50 | 625 | 78 | 76 | 75 | 65 | 68 | 65 |
| 2400 | 1133 | 4078 | 2.50 | 625 | 79 | 77 | 76 | 66 | 68 | 66 |
| 200 | 94 | 340 | 3.00 | 750 | 44 | 52 | 53 | 38 | 42 | 42 |
| 400 | 189 | 680 | 3.00 | 750 | 53 | 58 | 58 | 47 | 53 | 51 |
| 600 | 283 | 1019 | 3.00 | 750 | 59 | 62 | 62 | 53 | 57 | 55 |
| 800 | 378 | 1359 | 3.00 | 750 | 64 | 65 | 65 | 56 | 60 | 58 |
| 1000 | 472 | 1699 | 3.00 | 750 | 67 | 67 | 68 | 59 | 63 | 60 |
| 1200 | 566 | 2039 | 3.00 | 750 | 70 | 71 | 70 | 61 | 65 | 62 |
| 1400 | 661 | 2379 | 3.00 | 750 | 72 | 71 | 72 | 63 | 66 | 64 |
| 1600 | 755 | 2718 | 3.00 | 750 | 74 | 72 | 73 | 64 | 67 | 65 |
| 1800 | 850 | 3058 | 3.00 | 750 | 76 | 74 | 74 | 65 | 68 | 66 |
| 2000 | 944 | 3398 | 3.00 | 750 | 77 | 76 | 75 | 66 | 69 | 67 |
| 2200 | 1038 | 3738 | 3.00 | 750 | 79 | 77 | 76 | 67 | 70 | 67 |
| 2400 | 1133 | 4078 | 3.00 | 750 | 80 | 79 | 78 | 68 | 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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves
## Supply Sound Power Level Performance Data
### Dual 10

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 200 | 95 | 340 | 0.60 | 150 | 41 | 43 | 43 | 42 | 33 | 26 |
| 400 | 190 | 680 | 0.60 | 150 | 48 | 46 | 45 | 47 | 43 | 37 |
| 600 | 280 | 1000 | 0.60 | 150 | 52 | 48 | 46 | 51 | 47 | 42 |
| 800 | 380 | 1350 | 0.60 | 150 | 55 | 51 | 47 | 53 | 50 | 44 |
| 1000 | 470 | 1700 | 0.60 | 150 | 56 | 52 | 48 | 54 | 51 | 45 |
| 1200 | 560 | 2050 | 0.60 | 150 | 60 | 56 | 52 | 57 | 52 | 52 |
| 1400 | 660 | 2400 | 0.60 | 150 | 61 | 57 | 53 | 59 | 54 | 53 |
| 1600 | 750 | 2700 | 0.60 | 150 | 62 | 58 | 55 | 60 | 55 | 54 |
| 1800 | 850 | 3050 | 0.60 | 150 | 63 | 59 | 56 | 62 | 56 | 56 |
| 2000 | 940 | 3400 | 0.60 | 150 | 64 | 61 | 58 | 64 | 58 | 59 |
| 200 | 95 | 340 | 1.00 | 250 | 43 | 44 | 45 | 48 | 42 | 34 |
| 400 | 190 | 680 | 1.00 | 250 | 50 | 51 | 49 | 52 | 48 | 43 |
| 600 | 280 | 1000 | 1.00 | 250 | 55 | 55 | 51 | 56 | 53 | 48 |
| 800 | 380 | 1350 | 1.00 | 250 | 58 | 56 | 53 | 59 | 56 | 51 |
| 1000 | 470 | 1700 | 1.00 | 250 | 61 | 58 | 55 | 61 | 57 | 53 |
| 1200 | 560 | 2050 | 1.00 | 250 | 63 | 60 | 56 | 62 | 58 | 54 |
| 1400 | 660 | 2400 | 1.00 | 250 | 66 | 62 | 59 | 65 | 59 | 56 |
| 1600 | 750 | 2700 | 1.00 | 250 | 67 | 64 | 61 | 66 | 60 | 57 |
| 1800 | 850 | 3050 | 1.00 | 250 | 68 | 65 | 62 | 67 | 61 | 58 |
| 2000 | 940 | 3400 | 1.00 | 250 | 70 | 66 | 64 | 68 | 62 | 60 |
| 200 | 95 | 340 | 1.50 | 375 | 44 | 47 | 46 | 50 | 50 | 42 |
| 400 | 190 | 680 | 1.50 | 375 | 52 | 54 | 51 | 55 | 53 | 47 |
| 600 | 280 | 1000 | 1.50 | 375 | 56 | 58 | 54 | 59 | 56 | 52 |
| 800 | 380 | 1350 | 1.50 | 375 | 60 | 61 | 57 | 63 | 60 | 56 |
| 1000 | 470 | 1700 | 1.50 | 375 | 62 | 62 | 59 | 65 | 62 | 58 |
| 1200 | 560 | 2050 | 1.50 | 375 | 66 | 64 | 61 | 67 | 63 | 59 |
| 1400 | 660 | 2400 | 1.50 | 375 | 68 | 65 | 62 | 69 | 64 | 60 |
| 1600 | 750 | 2700 | 1.50 | 375 | 69 | 68 | 64 | 70 | 65 | 61 |
| 1800 | 850 | 3050 | 1.50 | 375 | 72 | 69 | 67 | 71 | 66 | 62 |
| 2000 | 940 | 3400 | 1.50 | 375 | 73 | 70 | 68 | 72 | 67 | 63 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 200 | 95 | 340 | 2.00 | 500 | 45 | 48 | 47 | 51 | 53 | 48 |
| 400 | 190 | 680 | 2.00 | 500 | 53 | 55 | 54 | 58 | 55 | 51 |
| 600 | 280 | 1000 | 2.00 | 500 | 58 | 60 | 57 | 62 | 59 | 55 |
| 800 | 380 | 1350 | 2.00 | 500 | 61 | 63 | 60 | 65 | 62 | 59 |
| 1000 | 470 | 1700 | 2.00 | 500 | 63 | 65 | 62 | 68 | 65 | 61 |
| 1200 | 560 | 2050 | 2.00 | 500 | 67 | 67 | 63 | 70 | 67 | 63 |
| 1400 | 660 | 2400 | 2.00 | 500 | 69 | 68 | 65 | 72 | 68 | 64 |
| 1600 | 750 | 2700 | 2.00 | 500 | 70 | 69 | 66 | 73 | 69 | 65 |
| 1800 | 850 | 3050 | 2.00 | 500 | 73 | 71 | 68 | 74 | 70 | 66 |
| 2000 | 940 | 3400 | 2.00 | 500 | 75 | 73 | 71 | 75 | 71 | 67 |
| 200 | 95 | 340 | 2.50 | 625 | 46 | 49 | 48 | 52 | 55 | 53 |
| 400 | 190 | 680 | 2.50 | 625 | 54 | 56 | 55 | 59 | 57 | 54 |
| 600 | 280 | 1000 | 2.50 | 625 | 59 | 61 | 59 | 64 | 61 | 58 |
| 800 | 380 | 1350 | 2.50 | 625 | 62 | 64 | 62 | 67 | 64 | 61 |
| 1000 | 470 | 1700 | 2.50 | 625 | 64 | 67 | 64 | 70 | 67 | 63 |
| 1200 | 560 | 2050 | 2.50 | 625 | 68 | 69 | 66 | 72 | 69 | 65 |
| 1400 | 660 | 2400 | 2.50 | 625 | 70 | 70 | 67 | 74 | 70 | 66 |
| 1600 | 750 | 2700 | 2.50 | 625 | 71 | 71 | 68 | 75 | 71 | 67 |
| 1800 | 850 | 3050 | 2.50 | 625 | 74 | 73 | 70 | 76 | 72 | 68 |
| 2000 | 940 | 3400 | 2.50 | 625 | 76 | 74 | 72 | 77 | 73 | 69 |
| 200 | 95 | 340 | 3.00 | 750 | 47 | 50 | 49 | 53 | 56 | 56 |
| 400 | 190 | 680 | 3.00 | 750 | 56 | 57 | 57 | 60 | 59 | 57 |
| 600 | 280 | 1000 | 3.00 | 750 | 60 | 62 | 61 | 65 | 63 | 59 |
| 800 | 380 | 1350 | 3.00 | 750 | 63 | 65 | 64 | 69 | 66 | 63 |
| 1000 | 470 | 1700 | 3.00 | 750 | 65 | 68 | 66 | 71 | 68 | 65 |
| 1200 | 560 | 2050 | 3.00 | 750 | 69 | 70 | 67 | 74 | 70 | 67 |
| 1400 | 660 | 2400 | 3.00 | 750 | 71 | 71 | 69 | 75 | 72 | 69 |
| 1600 | 750 | 2700 | 3.00 | 750 | 73 | 73 | 70 | 77 | 73 | 70 |
| 1800 | 850 | 3050 | 3.00 | 750 | 75 | 74 | 71 | 78 | 74 | 71 |
| 2000 | 940 | 3400 | 3.00 | 750 | 77 | 75 | 73 | 79 | 75 | 72 |

**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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves
## Supply Sound Power Level Performance Data
### Dual 10 With Neutralizer

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 200 | 95 | 340 | 0.60 | 150 | 41 | 43 | 43 | 34 | 28 | 22 |
| 400 | 190 | 680 | 0.60 | 150 | 48 | 46 | 44 | 39 | 38 | 33 |
| 600 | 280 | 1000 | 0.60 | 150 | 52 | 48 | 45 | 42 | 41 | 37 |
| 800 | 380 | 1350 | 0.60 | 150 | 54 | 51 | 47 | 46 | 44 | 41 |
| 1000 | 470 | 1700 | 0.60 | 150 | 56 | 52 | 48 | 47 | 46 | 43 |
| 1200 | 560 | 2050 | 0.60 | 150 | 59 | 56 | 52 | 50 | 48 | 48 |
| 1400 | 660 | 2400 | 0.60 | 150 | 60 | 57 | 53 | 51 | 49 | 50 |
| 1600 | 750 | 2700 | 0.60 | 150 | 61 | 58 | 55 | 53 | 51 | 51 |
| 1800 | 850 | 3050 | 0.60 | 150 | 62 | 59 | 56 | 56 | 53 | 53 |
| 2000 | 940 | 3400 | 0.60 | 150 | 63 | 61 | 58 | 58 | 56 | 56 |
| 200 | 95 | 340 | 1.00 | 250 | 43 | 44 | 44 | 40 | 38 | 31 |
| 400 | 190 | 680 | 1.00 | 250 | 50 | 51 | 48 | 43 | 44 | 39 |
| 600 | 280 | 1000 | 1.00 | 250 | 55 | 55 | 51 | 47 | 47 | 44 |
| 800 | 380 | 1350 | 1.00 | 250 | 58 | 56 | 53 | 51 | 50 | 47 |
| 1000 | 470 | 1700 | 1.00 | 250 | 61 | 58 | 55 | 53 | 52 | 49 |
| 1200 | 560 | 2050 | 1.00 | 250 | 63 | 60 | 56 | 55 | 53 | 51 |
| 1400 | 660 | 2400 | 1.00 | 250 | 65 | 62 | 59 | 56 | 54 | 52 |
| 1600 | 750 | 2700 | 1.00 | 250 | 67 | 64 | 61 | 59 | 56 | 54 |
| 1800 | 850 | 3050 | 1.00 | 250 | 68 | 65 | 62 | 60 | 57 | 55 |
| 2000 | 940 | 3400 | 1.00 | 250 | 69 | 66 | 64 | 62 | 59 | 57 |
| 200 | 95 | 340 | 1.50 | 375 | 44 | 46 | 45 | 41 | 47 | 38 |
| 400 | 190 | 680 | 1.50 | 375 | 52 | 53 | 51 | 47 | 49 | 43 |
| 600 | 280 | 1000 | 1.50 | 375 | 56 | 58 | 54 | 51 | 52 | 49 |
| 800 | 380 | 1350 | 1.50 | 375 | 60 | 61 | 57 | 55 | 55 | 53 |
| 1000 | 470 | 1700 | 1.50 | 375 | 62 | 62 | 59 | 57 | 57 | 55 |
| 1200 | 560 | 2050 | 1.50 | 375 | 66 | 64 | 61 | 60 | 58 | 56 |
| 1400 | 660 | 2400 | 1.50 | 375 | 68 | 65 | 62 | 61 | 59 | 57 |
| 1600 | 750 | 2700 | 1.50 | 375 | 69 | 68 | 64 | 62 | 60 | 58 |
| 1800 | 850 | 3050 | 1.50 | 375 | 72 | 69 | 67 | 64 | 61 | 59 |
| 2000 | 940 | 3400 | 1.50 | 375 | 73 | 70 | 68 | 66 | 62 | 60 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 200 | 95 | 340 | 2.00 | 500 | 45 | 47 | 46 | 42 | 50 | 45 |
| 400 | 190 | 680 | 2.00 | 500 | 53 | 55 | 53 | 49 | 51 | 47 |
| 600 | 280 | 1000 | 2.00 | 500 | 58 | 60 | 56 | 53 | 54 | 51 |
| 800 | 380 | 1350 | 2.00 | 500 | 61 | 63 | 60 | 57 | 57 | 56 |
| 1000 | 470 | 1700 | 2.00 | 500 | 63 | 65 | 62 | 60 | 60 | 58 |
| 1200 | 560 | 2050 | 2.00 | 500 | 67 | 67 | 63 | 62 | 61 | 59 |
| 1400 | 660 | 2400 | 2.00 | 500 | 69 | 68 | 65 | 64 | 63 | 60 |
| 1600 | 750 | 2700 | 2.00 | 500 | 70 | 69 | 66 | 65 | 64 | 61 |
| 1800 | 850 | 3050 | 2.00 | 500 | 73 | 71 | 68 | 67 | 65 | 62 |
| 2000 | 940 | 3400 | 2.00 | 500 | 75 | 73 | 71 | 68 | 66 | 63 |
| 200 | 95 | 340 | 2.50 | 625 | 46 | 49 | 47 | 43 | 51 | 50 |
| 400 | 190 | 680 | 2.50 | 625 | 54 | 56 | 55 | 50 | 53 | 51 |
| 600 | 280 | 1000 | 2.50 | 625 | 59 | 61 | 59 | 55 | 56 | 54 |
| 800 | 380 | 1350 | 2.50 | 625 | 62 | 64 | 62 | 59 | 59 | 57 |
| 1000 | 470 | 1700 | 2.50 | 625 | 64 | 67 | 64 | 62 | 62 | 60 |
| 1200 | 560 | 2050 | 2.50 | 625 | 68 | 69 | 66 | 64 | 64 | 62 |
| 1400 | 660 | 2400 | 2.50 | 625 | 70 | 70 | 67 | 66 | 65 | 63 |
| 1600 | 750 | 2700 | 2.50 | 625 | 71 | 71 | 68 | 68 | 66 | 64 |
| 1800 | 850 | 3050 | 2.50 | 625 | 74 | 73 | 70 | 69 | 67 | 65 |
| 2000 | 940 | 3400 | 2.50 | 625 | 76 | 74 | 72 | 70 | 68 | 66 |
| 200 | 95 | 340 | 3.00 | 750 | 47 | 50 | 48 | 44 | 52 | 52 |
| 400 | 190 | 680 | 3.00 | 750 | 56 | 57 | 56 | 51 | 55 | 54 |
| 600 | 280 | 1000 | 3.00 | 750 | 60 | 62 | 60 | 57 | 58 | 56 |
| 800 | 380 | 1350 | 3.00 | 750 | 63 | 65 | 64 | 60 | 61 | 59 |
| 1000 | 470 | 1700 | 3.00 | 750 | 65 | 68 | 66 | 64 | 64 | 62 |
| 1200 | 560 | 2050 | 3.00 | 750 | 69 | 70 | 67 | 66 | 66 | 64 |
| 1400 | 660 | 2400 | 3.00 | 750 | 71 | 71 | 69 | 67 | 67 | 65 |
| 1600 | 750 | 2700 | 3.00 | 750 | 73 | 73 | 70 | 69 | 68 | 66 |
| 1800 | 850 | 3050 | 3.00 | 750 | 75 | 74 | 71 | 71 | 69 | 67 |
| 2000 | 940 | 3400 | 3.00 | 750 | 77 | 75 | 73 | 72 | 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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves

## Supply Sound Power Level Performance Data

### Dual 12

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 400 | 190 | 680 | 0.60 | 150 | 47 | 45 | 46 | 45 | 37 | 30 |
| 800 | 380 | 1350 | 0.60 | 150 | 52 | 48 | 47 | 52 | 46 | 41 |
| 1200 | 560 | 2050 | 0.60 | 150 | 57 | 52 | 49 | 55 | 49 | 43 |
| 1600 | 750 | 2700 | 0.60 | 150 | 61 | 55 | 52 | 57 | 52 | 49 |
| 2000 | 940 | 3400 | 0.60 | 150 | 62 | 58 | 55 | 60 | 55 | 55 |
| 2400 | 1150 | 4050 | 0.60 | 150 | 64 | 60 | 58 | 63 | 56 | 56 |
| 2800 | 1300 | 4750 | 0.60 | 150 | 65 | 61 | 59 | 64 | 57 | 58 |
| 3000 | 1400 | 5100 | 0.60 | 150 | 66 | 62 | 60 | 65 | 58 | 59 |
| 400 | 190 | 680 | 1.00 | 250 | 48 | 49 | 50 | 51 | 45 | 38 |
| 800 | 380 | 1350 | 1.00 | 250 | 55 | 54 | 52 | 57 | 52 | 48 |
| 1200 | 560 | 2050 | 1.00 | 250 | 61 | 57 | 55 | 62 | 56 | 52 |
| 1600 | 750 | 2700 | 1.00 | 250 | 64 | 60 | 57 | 63 | 57 | 53 |
| 2000 | 940 | 3400 | 1.00 | 250 | 67 | 62 | 60 | 64 | 58 | 56 |
| 2400 | 1150 | 4050 | 1.00 | 250 | 69 | 65 | 62 | 67 | 60 | 58 |
| 2800 | 1300 | 4750 | 1.00 | 250 | 71 | 66 | 64 | 69 | 61 | 60 |
| 3000 | 1400 | 5100 | 1.00 | 250 | 72 | 67 | 65 | 70 | 62 | 61 |
| 400 | 190 | 680 | 1.50 | 375 | 50 | 51 | 52 | 54 | 52 | 44 |
| 800 | 380 | 1350 | 1.50 | 375 | 56 | 58 | 56 | 60 | 56 | 52 |
| 1200 | 560 | 2050 | 1.50 | 375 | 62 | 62 | 59 | 66 | 61 | 57 |
| 1600 | 750 | 2700 | 1.50 | 375 | 65 | 65 | 62 | 68 | 63 | 59 |
| 2000 | 940 | 3400 | 1.50 | 375 | 69 | 66 | 63 | 69 | 64 | 60 |
| 2400 | 1150 | 4050 | 1.50 | 375 | 70 | 69 | 64 | 70 | 65 | 61 |
| 2800 | 1300 | 4750 | 1.50 | 375 | 75 | 70 | 68 | 73 | 66 | 63 |
| 3000 | 1400 | 5100 | 1.50 | 375 | 76 | 71 | 69 | 74 | 67 | 64 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 400 | 190 | 680 | 2.00 | 500 | 51 | 52 | 54 | 57 | 56 | 50 |
| 800 | 380 | 1350 | 2.00 | 500 | 57 | 60 | 59 | 63 | 58 | 55 |
| 1200 | 560 | 2050 | 2.00 | 500 | 63 | 65 | 62 | 68 | 63 | 60 |
| 1600 | 750 | 2700 | 2.00 | 500 | 66 | 68 | 65 | 72 | 66 | 63 |
| 2000 | 940 | 3400 | 2.00 | 500 | 70 | 69 | 67 | 73 | 67 | 64 |
| 2400 | 1150 | 4050 | 2.00 | 500 | 73 | 72 | 68 | 74 | 68 | 65 |
| 2800 | 1300 | 4750 | 2.00 | 500 | 76 | 74 | 71 | 76 | 69 | 66 |
| 3000 | 1400 | 5100 | 2.00 | 500 | 78 | 76 | 72 | 78 | 70 | 68 |
| 400 | 190 | 680 | 2.50 | 625 | 52 | 53 | 55 | 58 | 58 | 55 |
| 800 | 380 | 1350 | 2.50 | 625 | 58 | 61 | 61 | 64 | 60 | 57 |
| 1200 | 560 | 2050 | 2.50 | 625 | 64 | 66 | 65 | 69 | 65 | 62 |
| 1600 | 750 | 2700 | 2.50 | 625 | 67 | 69 | 67 | 73 | 68 | 65 |
| 2000 | 940 | 3400 | 2.50 | 625 | 71 | 71 | 70 | 75 | 70 | 67 |
| 2400 | 1150 | 4050 | 2.50 | 625 | 74 | 74 | 71 | 77 | 71 | 68 |
| 2800 | 1300 | 4750 | 2.50 | 625 | 77 | 76 | 72 | 78 | 72 | 70 |
| 3000 | 1400 | 5100 | 2.50 | 625 | 79 | 77 | 73 | 79 | 73 | 71 |
| 400 | 190 | 680 | 3.00 | 750 | 53 | 54 | 56 | 59 | 60 | 57 |
| 800 | 380 | 1350 | 3.00 | 750 | 59 | 62 | 62 | 66 | 62 | 60 |
| 1200 | 560 | 2050 | 3.00 | 750 | 65 | 67 | 67 | 71 | 67 | 64 |
| 1600 | 750 | 2700 | 3.00 | 750 | 68 | 70 | 69 | 74 | 70 | 66 |
| 2000 | 940 | 3400 | 3.00 | 750 | 72 | 73 | 71 | 77 | 72 | 69 |
| 2400 | 1150 | 4050 | 3.00 | 750 | 75 | 75 | 72 | 78 | 73 | 70 |
| 2800 | 1300 | 4750 | 3.00 | 750 | 78 | 77 | 74 | 79 | 74 | 71 |
| 3000 | 1400 | 5100 | 3.00 | 750 | 80 | 78 | 75 | 80 | 75 | 72 |

**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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves

## Supply Sound Power Level Performance Data

### Dual 12 With Neutralizer

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 400 | 190 | 680 | 0.60 | 150 | 47 | 45 | 45 | 40 | 34 | 29 |
| 800 | 380 | 1350 | 0.60 | 150 | 51 | 48 | 46 | 46 | 42 | 38 |
| 1200 | 560 | 2050 | 0.60 | 150 | 57 | 52 | 49 | 49 | 45 | 40 |
| 1600 | 750 | 2700 | 0.60 | 150 | 60 | 55 | 51 | 51 | 48 | 45 |
| 2000 | 940 | 3400 | 0.60 | 150 | 62 | 58 | 54 | 55 | 52 | 52 |
| 2400 | 1150 | 4050 | 0.60 | 150 | 64 | 60 | 57 | 58 | 54 | 54 |
| 2800 | 1300 | 4750 | 0.60 | 150 | 65 | 61 | 58 | 59 | 56 | 55 |
| 3000 | 1400 | 5100 | 0.60 | 150 | 66 | 62 | 59 | 60 | 57 | 56 |
| 400 | 190 | 680 | 1.00 | 250 | 48 | 48 | 49 | 44 | 41 | 35 |
| 800 | 380 | 1350 | 1.00 | 250 | 55 | 53 | 52 | 51 | 48 | 44 |
| 1200 | 560 | 2050 | 1.00 | 250 | 61 | 57 | 55 | 55 | 51 | 48 |
| 1600 | 750 | 2700 | 1.00 | 250 | 64 | 60 | 57 | 57 | 53 | 50 |
| 2000 | 940 | 3400 | 1.00 | 250 | 67 | 62 | 59 | 59 | 55 | 53 |
| 2400 | 1150 | 4050 | 1.00 | 250 | 69 | 65 | 62 | 62 | 57 | 55 |
| 2800 | 1300 | 4750 | 1.00 | 250 | 71 | 66 | 63 | 64 | 59 | 56 |
| 3000 | 1400 | 5100 | 1.00 | 250 | 72 | 67 | 64 | 65 | 60 | 57 |
| 400 | 190 | 680 | 1.50 | 375 | 49 | 49 | 51 | 48 | 49 | 41 |
| 800 | 380 | 1350 | 1.50 | 375 | 56 | 58 | 55 | 54 | 52 | 48 |
| 1200 | 560 | 2050 | 1.50 | 375 | 62 | 62 | 59 | 59 | 56 | 54 |
| 1600 | 750 | 2700 | 1.50 | 375 | 65 | 64 | 62 | 62 | 59 | 56 |
| 2000 | 940 | 3400 | 1.50 | 375 | 69 | 66 | 63 | 64 | 60 | 57 |
| 2400 | 1150 | 4050 | 1.50 | 375 | 70 | 69 | 64 | 65 | 61 | 58 |
| 2800 | 1300 | 4750 | 1.50 | 375 | 75 | 70 | 67 | 67 | 62 | 59 |
| 3000 | 1400 | 5100 | 1.50 | 375 | 76 | 71 | 68 | 68 | 63 | 60 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 400 | 190 | 680 | 2.00 | 500 | 50 | 51 | 52 | 50 | 53 | 47 |
| 800 | 380 | 1350 | 2.00 | 500 | 57 | 59 | 58 | 57 | 55 | 52 |
| 1200 | 560 | 2050 | 2.00 | 500 | 63 | 64 | 62 | 61 | 59 | 56 |
| 1600 | 750 | 2700 | 2.00 | 500 | 66 | 67 | 65 | 65 | 62 | 59 |
| 2000 | 940 | 3400 | 2.00 | 500 | 70 | 69 | 67 | 67 | 63 | 60 |
| 2400 | 1150 | 4050 | 2.00 | 500 | 73 | 72 | 68 | 69 | 64 | 61 |
| 2800 | 1300 | 4750 | 2.00 | 500 | 76 | 74 | 70 | 70 | 65 | 62 |
| 3000 | 1400 | 5100 | 2.00 | 500 | 78 | 76 | 71 | 72 | 66 | 64 |
| 400 | 190 | 680 | 2.50 | 625 | 51 | 52 | 53 | 52 | 55 | 52 |
| 800 | 380 | 1350 | 2.50 | 625 | 58 | 60 | 60 | 58 | 56 | 54 |
| 1200 | 560 | 2050 | 2.50 | 625 | 64 | 65 | 64 | 63 | 61 | 58 |
| 1600 | 750 | 2700 | 2.50 | 625 | 67 | 69 | 67 | 67 | 64 | 61 |
| 2000 | 940 | 3400 | 2.50 | 625 | 71 | 71 | 69 | 70 | 66 | 63 |
| 2400 | 1150 | 4050 | 2.50 | 625 | 74 | 73 | 70 | 71 | 67 | 64 |
| 2800 | 1300 | 4750 | 2.50 | 625 | 77 | 75 | 71 | 72 | 68 | 66 |
| 3000 | 1400 | 5100 | 2.50 | 625 | 79 | 76 | 72 | 73 | 69 | 67 |
| 400 | 190 | 680 | 3.00 | 750 | 52 | 53 | 54 | 53 | 57 | 55 |
| 800 | 380 | 1350 | 3.00 | 750 | 59 | 61 | 62 | 60 | 58 | 56 |
| 1200 | 560 | 2050 | 3.00 | 750 | 65 | 66 | 66 | 65 | 62 | 60 |
| 1600 | 750 | 2700 | 3.00 | 750 | 68 | 70 | 68 | 68 | 66 | 63 |
| 2000 | 940 | 3400 | 3.00 | 750 | 72 | 73 | 71 | 71 | 68 | 65 |
| 2400 | 1150 | 4050 | 3.00 | 750 | 75 | 75 | 72 | 72 | 69 | 66 |
| 2800 | 1300 | 4750 | 3.00 | 750 | 78 | 77 | 74 | 73 | 70 | 67 |
| 3000 | 1400 | 5100 | 3.00 | 750 | 80 | 78 | 75 | 74 | 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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves
## Supply Without Neutralizer Sound Power Level Test Data
### Size 214

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 400 | 189 | 680 | 0.60 | 150 | 39 | 42 | 42 | 40 | 33 | 30 |
| 800 | 378 | 1359 | 0.60 | 150 | 42 | 51 | 47 | 49 | 44 | 38 |
| 1200 | 566 | 2039 | 0.60 | 150 | 50 | 54 | 50 | 53 | 49 | 44 |
| 1600 | 755 | 2718 | 0.60 | 150 | 51 | 58 | 53 | 56 | 51 | 47 |
| 2000 | 944 | 3398 | 0.60 | 150 | 58 | 59 | 56 | 57 | 52 | 49 |
| 2400 | 1133 | 4078 | 0.60 | 150 | 62 | 64 | 58 | 59 | 54 | 50 |
| 2800 | 1321 | 4757 | 0.60 | 150 | 64 | 67 | 60 | 59 | 55 | 51 |
| 3200 | 1510 | 5437 | 0.60 | 150 | 67 | 69 | 62 | 60 | 57 | 52 |
| 3600 | 1699 | 6116 | 0.60 | 150 | 69 | 71 | 64 | 62 | 57 | 54 |
| 4000 | 1888 | 6796 | 0.60 | 150 | 71 | 74 | 67 | 63 | 57 | 55 |
| 4400 | 2077 | 7476 | 0.60 | 150 | 75 | 75 | 69 | 63 | 58 | 55 |
| 4800 | 2265 | 8155 | 0.60 | 150 | 77 | 79 | 72 | 63 | 59 | 56 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 400 | 189 | 680 | 2.00 | 500 | 45 | 50 | 51 | 50 | 43 | 47 |
| 800 | 378 | 1359 | 2.00 | 500 | 53 | 60 | 60 | 60 | 55 | 52 |
| 1200 | 566 | 2039 | 2.00 | 500 | 58 | 64 | 63 | 65 | 61 | 57 |
| 1600 | 755 | 2718 | 2.00 | 500 | 62 | 68 | 66 | 68 | 65 | 60 |
| 2000 | 944 | 3398 | 2.00 | 500 | 66 | 71 | 68 | 70 | 67 | 63 |
| 2400 | 1133 | 4078 | 2.00 | 500 | 69 | 73 | 70 | 72 | 69 | 65 |
| 2800 | 1321 | 4757 | 2.00 | 500 | 72 | 76 | 71 | 73 | 70 | 66 |
| 3200 | 1510 | 5437 | 2.00 | 500 | 75 | 78 | 73 | 74 | 71 | 66 |
| 3600 | 1699 | 6116 | 2.00 | 500 | 77 | 80 | 75 | 75 | 71 | 66 |
| 4000 | 1888 | 6796 | 2.00 | 500 | 77 | 82 | 77 | 76 | 72 | 67 |
| 4400 | 2077 | 7476 | 2.00 | 500 | 81 | 83 | 78 | 76 | 72 | 69 |
| 4800 | 2265 | 8155 | 2.00 | 500 | 83 | 84 | 80 | 77 | 72 | 70 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 400 | 189 | 680 | 1.00 | 250 | 41 | 45 | 46 | 44 | 37 | 37 |
| 800 | 378 | 1359 | 1.00 | 250 | 47 | 55 | 52 | 53 | 49 | 44 |
| 1200 | 566 | 2039 | 1.00 | 250 | 54 | 59 | 56 | 58 | 54 | 49 |
| 1600 | 755 | 2718 | 1.00 | 250 | 57 | 62 | 58 | 61 | 58 | 53 |
| 2000 | 944 | 3398 | 1.00 | 250 | 61 | 64 | 61 | 63 | 59 | 55 |
| 2400 | 1133 | 4078 | 1.00 | 250 | 65 | 68 | 63 | 64 | 60 | 57 |
| 2800 | 1321 | 4757 | 1.00 | 250 | 67 | 70 | 65 | 66 | 61 | 57 |
| 3200 | 1510 | 5437 | 1.00 | 250 | 71 | 73 | 67 | 66 | 63 | 60 |
| 3600 | 1699 | 6116 | 1.00 | 250 | 73 | 75 | 69 | 68 | 63 | 60 |
| 4000 | 1888 | 6796 | 1.00 | 250 | 74 | 77 | 71 | 68 | 63 | 61 |
| 4400 | 2077 | 7476 | 1.00 | 250 | 77 | 79 | 73 | 69 | 64 | 61 |
| 4800 | 2265 | 8155 | 1.00 | 250 | 79 | 81 | 75 | 69 | 64 | 62 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 400 | 189 | 680 | 2.50 | 625 | 46 | 51 | 53 | 52 | 45 | 51 |
| 800 | 378 | 1359 | 2.50 | 625 | 55 | 62 | 62 | 62 | 58 | 55 |
| 1200 | 566 | 2039 | 2.50 | 625 | 60 | 67 | 65 | 67 | 63 | 59 |
| 1600 | 755 | 2718 | 2.50 | 625 | 64 | 70 | 67 | 70 | 67 | 63 |
| 2000 | 944 | 3398 | 2.50 | 625 | 68 | 73 | 70 | 73 | 70 | 66 |
| 2400 | 1133 | 4078 | 2.50 | 625 | 71 | 75 | 71 | 74 | 71 | 66 |
| 2800 | 1321 | 4757 | 2.50 | 625 | 73 | 77 | 73 | 76 | 72 | 69 |
| 3200 | 1510 | 5437 | 2.50 | 625 | 76 | 79 | 75 | 77 | 73 | 70 |
| 3600 | 1699 | 6116 | 2.50 | 625 | 78 | 81 | 77 | 77 | 74 | 70 |
| 4000 | 1888 | 6796 | 2.50 | 625 | 78 | 83 | 78 | 78 | 74 | 71 |
| 4400 | 2077 | 7476 | 2.50 | 625 | 82 | 85 | 80 | 78 | 75 | 72 |
| 4800 | 2265 | 8155 | 2.50 | 625 | 84 | 86 | 82 | 79 | 75 | 72 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 400 | 189 | 680 | 1.50 | 375 | 44 | 48 | 49 | 47 | 40 | 43 |
| 800 | 378 | 1359 | 1.50 | 375 | 51 | 58 | 57 | 57 | 53 | 49 |
| 1200 | 566 | 2039 | 1.50 | 375 | 56 | 62 | 60 | 62 | 58 | 54 |
| 1600 | 755 | 2718 | 1.50 | 375 | 60 | 65 | 63 | 65 | 62 | 57 |
| 2000 | 944 | 3398 | 1.50 | 375 | 65 | 68 | 65 | 67 | 64 | 60 |
| 2400 | 1133 | 4078 | 1.50 | 375 | 68 | 71 | 67 | 69 | 65 | 61 |
| 2800 | 1321 | 4757 | 1.50 | 375 | 69 | 73 | 68 | 70 | 66 | 62 |
| 3200 | 1510 | 5437 | 1.50 | 375 | 73 | 76 | 71 | 71 | 67 | 64 |
| 3600 | 1699 | 6116 | 1.50 | 375 | 75 | 78 | 72 | 72 | 68 | 65 |
| 4000 | 1888 | 6796 | 1.50 | 375 | 76 | 80 | 74 | 73 | 68 | 65 |
| 4400 | 2077 | 7476 | 1.50 | 375 | 80 | 82 | 76 | 73 | 69 | 67 |
| 4800 | 2265 | 8155 | 1.50 | 375 | 81 | 82 | 78 | 74 | 70 | 68 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 400 | 189 | 680 | 3.00 | 750 | 47 | 52 | 54 | 53 | 46 | 54 |
| 800 | 378 | 1359 | 3.00 | 750 | 56 | 63 | 64 | 63 | 59 | 57 |
| 1200 | 566 | 2039 | 3.00 | 750 | 61 | 67 | 67 | 69 | 65 | 61 |
| 1600 | 755 | 2718 | 3.00 | 750 | 65 | 72 | 69 | 72 | 69 | 65 |
| 2000 | 944 | 3398 | 3.00 | 750 | 69 | 74 | 72 | 74 | 72 | 68 |
| 2400 | 1133 | 4078 | 3.00 | 750 | 72 | 76 | 74 | 76 | 73 | 70 |
| 2800 | 1321 | 4757 | 3.00 | 750 | 74 | 79 | 75 | 78 | 75 | 71 |
| 3200 | 1510 | 5437 | 3.00 | 750 | 77 | 81 | 77 | 79 | 75 | 72 |
| 3600 | 1699 | 6116 | 3.00 | 750 | 79 | 83 | 78 | 79 | 76 | 72 |
| 4000 | 1888 | 6796 | 3.00 | 750 | 79 | 84 | 79 | 80 | 77 | 73 |
| 4400 | 2077 | 7476 | 3.00 | 750 | 82 | 86 | 82 | 81 | 77 | 74 |
| 4800 | 2265 | 8155 | 3.00 | 750 | 84 | 88 | 83 | 81 | 77 | 75 |

**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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves
## Supply With Neutralizer Sound Power Level Test Data
### Size 214

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 400 | 189 | 680 | 0.60 | 150 | 39 | 42 | 42 | 32 | 27 | 25 |
| 800 | 378 | 1359 | 0.60 | 150 | 42 | 51 | 46 | 41 | 39 | 33 |
| 1200 | 566 | 2039 | 0.60 | 150 | 49 | 54 | 50 | 46 | 44 | 39 |
| 1600 | 755 | 2718 | 0.60 | 150 | 50 | 58 | 53 | 49 | 45 | 42 |
| 2000 | 944 | 3398 | 0.60 | 150 | 58 | 60 | 55 | 50 | 46 | 44 |
| 2400 | 1133 | 4078 | 0.60 | 150 | 62 | 65 | 58 | 52 | 48 | 45 |
| 2800 | 1321 | 4757 | 0.60 | 150 | 64 | 67 | 60 | 52 | 49 | 46 |
| 3200 | 1510 | 5437 | 0.60 | 150 | 67 | 69 | 62 | 53 | 51 | 47 |
| 3600 | 1699 | 6116 | 0.60 | 150 | 69 | 71 | 65 | 55 | 52 | 49 |
| 4000 | 1888 | 6796 | 0.60 | 150 | 71 | 74 | 67 | 55 | 52 | 50 |
| 4400 | 2077 | 7476 | 0.60 | 150 | 75 | 75 | 70 | 56 | 52 | 50 |
| 4800 | 2265 | 8155 | 0.60 | 150 | 77 | 78 | 72 | 56 | 53 | 51 |
| 400 | 189 | 680 | 1.00 | 250 | 41 | 45 | 47 | 37 | 31 | 31 |
| 800 | 378 | 1359 | 1.00 | 250 | 47 | 55 | 52 | 46 | 43 | 39 |
| 1200 | 566 | 2039 | 1.00 | 250 | 53 | 58 | 55 | 51 | 49 | 44 |
| 1600 | 755 | 2718 | 1.00 | 250 | 57 | 62 | 58 | 54 | 52 | 47 |
| 2000 | 944 | 3398 | 1.00 | 250 | 61 | 64 | 60 | 56 | 54 | 50 |
| 2400 | 1133 | 4078 | 1.00 | 250 | 65 | 68 | 63 | 57 | 54 | 51 |
| 2800 | 1321 | 4757 | 1.00 | 250 | 67 | 71 | 65 | 59 | 55 | 52 |
| 3200 | 1510 | 5437 | 1.00 | 250 | 70 | 73 | 67 | 59 | 57 | 54 |
| 3600 | 1699 | 6116 | 1.00 | 250 | 72 | 75 | 69 | 60 | 58 | 55 |
| 4000 | 1888 | 6796 | 1.00 | 250 | 74 | 76 | 71 | 61 | 58 | 55 |
| 4400 | 2077 | 7476 | 1.00 | 250 | 77 | 79 | 74 | 62 | 58 | 56 |
| 4800 | 2265 | 8155 | 1.00 | 250 | 79 | 81 | 75 | 62 | 58 | 56 |
| 400 | 189 | 680 | 1.50 | 375 | 44 | 48 | 49 | 40 | 35 | 37 |
| 800 | 378 | 1359 | 1.50 | 375 | 51 | 58 | 56 | 50 | 47 | 44 |
| 1200 | 566 | 2039 | 1.50 | 375 | 56 | 62 | 59 | 55 | 53 | 49 |
| 1600 | 755 | 2718 | 1.50 | 375 | 59 | 66 | 62 | 58 | 56 | 52 |
| 2000 | 944 | 3398 | 1.50 | 375 | 64 | 69 | 65 | 60 | 58 | 54 |
| 2400 | 1133 | 4078 | 1.50 | 375 | 67 | 71 | 66 | 62 | 59 | 56 |
| 2800 | 1321 | 4757 | 1.50 | 375 | 69 | 74 | 68 | 63 | 60 | 57 |
| 3200 | 1510 | 5437 | 1.50 | 375 | 73 | 76 | 70 | 64 | 62 | 59 |
| 3600 | 1699 | 6116 | 1.50 | 375 | 75 | 78 | 72 | 65 | 62 | 59 |
| 4000 | 1888 | 6796 | 1.50 | 375 | 76 | 79 | 74 | 65 | 63 | 60 |
| 4400 | 2077 | 7476 | 1.50 | 375 | 79 | 82 | 76 | 66 | 64 | 61 |
| 4800 | 2265 | 8155 | 1.50 | 375 | 81 | 82 | 78 | 67 | 65 | 63 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 400 | 189 | 680 | 2.00 | 500 | 46 | 50 | 50 | 43 | 37 | 42 |
| 800 | 378 | 1359 | 2.00 | 500 | 54 | 60 | 59 | 53 | 50 | 47 |
| 1200 | 566 | 2039 | 2.00 | 500 | 59 | 64 | 62 | 58 | 55 | 52 |
| 1600 | 755 | 2718 | 2.00 | 500 | 62 | 68 | 65 | 61 | 59 | 55 |
| 2000 | 944 | 3398 | 2.00 | 500 | 66 | 71 | 67 | 63 | 61 | 58 |
| 2400 | 1133 | 4078 | 2.00 | 500 | 69 | 73 | 69 | 65 | 63 | 60 |
| 2800 | 1321 | 4757 | 2.00 | 500 | 71 | 75 | 71 | 66 | 64 | 61 |
| 3200 | 1510 | 5437 | 2.00 | 500 | 74 | 78 | 73 | 67 | 65 | 61 |
| 3600 | 1699 | 6116 | 2.00 | 500 | 77 | 80 | 75 | 68 | 66 | 61 |
| 4000 | 1888 | 6796 | 2.00 | 500 | 77 | 81 | 76 | 69 | 66 | 62 |
| 4400 | 2077 | 7476 | 2.00 | 500 | 81 | 83 | 78 | 69 | 67 | 63 |
| 4800 | 2265 | 8155 | 2.00 | 500 | 82 | 84 | 80 | 70 | 66 | 65 |
| 400 | 189 | 680 | 2.50 | 625 | 46 | 51 | 53 | 45 | 40 | 47 |
| 800 | 378 | 1359 | 2.50 | 625 | 55 | 61 | 62 | 55 | 53 | 51 |
| 1200 | 566 | 2039 | 2.50 | 625 | 60 | 66 | 65 | 60 | 59 | 55 |
| 1600 | 755 | 2718 | 2.50 | 625 | 63 | 70 | 67 | 64 | 63 | 59 |
| 2000 | 944 | 3398 | 2.50 | 625 | 68 | 72 | 69 | 66 | 65 | 61 |
| 2400 | 1133 | 4078 | 2.50 | 625 | 71 | 75 | 71 | 68 | 67 | 61 |
| 2800 | 1321 | 4757 | 2.50 | 625 | 72 | 77 | 73 | 69 | 68 | 64 |
| 3200 | 1510 | 5437 | 2.50 | 625 | 76 | 79 | 75 | 70 | 69 | 65 |
| 3600 | 1699 | 6116 | 2.50 | 625 | 78 | 81 | 76 | 71 | 69 | 66 |
| 4000 | 1888 | 6796 | 2.50 | 625 | 78 | 83 | 78 | 71 | 70 | 67 |
| 4400 | 2077 | 7476 | 2.50 | 625 | 82 | 85 | 80 | 72 | 70 | 68 |
| 4800 | 2265 | 8155 | 2.50 | 625 | 84 | 85 | 81 | 72 | 71 | 68 |
| 400 | 189 | 680 | 3.00 | 750 | 48 | 52 | 55 | 47 | 42 | 50 |
| 800 | 378 | 1359 | 3.00 | 750 | 56 | 63 | 64 | 57 | 55 | 53 |
| 1200 | 566 | 2039 | 3.00 | 750 | 61 | 67 | 66 | 62 | 60 | 57 |
| 1600 | 755 | 2718 | 3.00 | 750 | 64 | 71 | 69 | 65 | 64 | 61 |
| 2000 | 944 | 3398 | 3.00 | 750 | 69 | 74 | 71 | 68 | 67 | 63 |
| 2400 | 1133 | 4078 | 3.00 | 750 | 72 | 76 | 72 | 69 | 69 | 65 |
| 2800 | 1321 | 4757 | 3.00 | 750 | 73 | 78 | 74 | 71 | 70 | 66 |
| 3200 | 1510 | 5437 | 3.00 | 750 | 77 | 81 | 76 | 72 | 71 | 67 |
| 3600 | 1699 | 6116 | 3.00 | 750 | 79 | 82 | 78 | 73 | 71 | 68 |
| 4000 | 1888 | 6796 | 3.00 | 750 | 79 | 84 | 79 | 73 | 72 | 69 |
| 4400 | 2077 | 7476 | 3.00 | 750 | 83 | 86 | 81 | 74 | 72 | 70 |
| 4800 | 2265 | 8155 | 3.00 | 750 | 85 | 87 | 83 | 74 | 73 | 70 |

**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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves

## Supply Sound Power Level Performance Data

### Triple 12

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 600 | 280 | 1000 | 0.60 | 150 | 49 | 49 | 48 | 47 | 39 | 32 |
| 1200 | 560 | 2050 | 0.60 | 150 | 56 | 52 | 49 | 54 | 49 | 43 |
| 1800 | 850 | 3050 | 0.60 | 150 | 59 | 55 | 51 | 57 | 51 | 46 |
| 2400 | 1150 | 4050 | 0.60 | 150 | 63 | 58 | 54 | 59 | 54 | 53 |
| 3000 | 1400 | 5100 | 0.60 | 150 | 65 | 61 | 57 | 62 | 57 | 57 |
| 3600 | 1700 | 6100 | 0.60 | 150 | 67 | 62 | 60 | 65 | 58 | 58 |
| 4200 | 2000 | 7150 | 0.60 | 150 | 68 | 63 | 61 | 66 | 60 | 60 |
| 4500 | 2100 | 7650 | 0.60 | 150 | 69 | 64 | 62 | 67 | 61 | 61 |
| 600 | 280 | 1000 | 1.00 | 250 | 50 | 53 | 52 | 53 | 47 | 40 |
| 1200 | 560 | 2050 | 1.00 | 250 | 58 | 57 | 54 | 59 | 54 | 50 |
| 1800 | 850 | 3050 | 1.00 | 250 | 63 | 60 | 57 | 64 | 58 | 54 |
| 2400 | 1150 | 4050 | 1.00 | 250 | 67 | 63 | 59 | 65 | 60 | 56 |
| 3000 | 1400 | 5100 | 1.00 | 250 | 69 | 66 | 62 | 67 | 61 | 58 |
| 3600 | 1700 | 6100 | 1.00 | 250 | 71 | 68 | 64 | 69 | 62 | 60 |
| 4200 | 2000 | 7150 | 1.00 | 250 | 74 | 69 | 67 | 71 | 64 | 62 |
| 4500 | 2100 | 7650 | 1.00 | 250 | 75 | 70 | 68 | 72 | 65 | 63 |
| 600 | 280 | 1000 | 1.50 | 375 | 52 | 54 | 54 | 56 | 54 | 47 |
| 1200 | 560 | 2050 | 1.50 | 375 | 59 | 62 | 58 | 62 | 58 | 54 |
| 1800 | 850 | 3050 | 1.50 | 375 | 64 | 65 | 61 | 68 | 63 | 59 |
| 2400 | 1150 | 4050 | 1.50 | 375 | 68 | 67 | 64 | 70 | 65 | 61 |
| 3000 | 1400 | 5100 | 1.50 | 375 | 71 | 69 | 65 | 71 | 66 | 62 |
| 3600 | 1700 | 6100 | 1.50 | 375 | 72 | 71 | 66 | 72 | 67 | 63 |
| 4200 | 2000 | 7150 | 1.50 | 375 | 77 | 73 | 70 | 75 | 68 | 65 |
| 4500 | 2100 | 7650 | 1.50 | 375 | 78 | 75 | 72 | 76 | 70 | 66 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 600 | 280 | 1000 | 2.00 | 500 | 53 | 55 | 56 | 58 | 58 | 53 |
| 1200 | 560 | 2050 | 2.00 | 500 | 60 | 63 | 61 | 65 | 61 | 57 |
| 1800 | 850 | 3050 | 2.00 | 500 | 65 | 68 | 64 | 70 | 65 | 62 |
| 2400 | 1150 | 4050 | 2.00 | 500 | 69 | 71 | 67 | 74 | 69 | 65 |
| 3000 | 1400 | 5100 | 2.00 | 500 | 72 | 72 | 69 | 75 | 70 | 66 |
| 3600 | 1700 | 6100 | 2.00 | 500 | 75 | 74 | 70 | 76 | 71 | 67 |
| 4200 | 2000 | 7150 | 2.00 | 500 | 78 | 76 | 73 | 78 | 72 | 68 |
| 4500 | 2100 | 7650 | 2.00 | 500 | 80 | 78 | 74 | 80 | 73 | 70 |
| 600 | 280 | 1000 | 2.50 | 625 | 54 | 57 | 57 | 60 | 60 | 57 |
| 1200 | 560 | 2050 | 2.50 | 625 | 61 | 64 | 63 | 66 | 63 | 59 |
| 1800 | 850 | 3050 | 2.50 | 625 | 66 | 70 | 67 | 71 | 67 | 64 |
| 2400 | 1150 | 4050 | 2.50 | 625 | 70 | 72 | 69 | 75 | 70 | 67 |
| 3000 | 1400 | 5100 | 2.50 | 625 | 73 | 74 | 72 | 77 | 73 | 69 |
| 3600 | 1700 | 6100 | 2.50 | 625 | 76 | 76 | 73 | 79 | 74 | 70 |
| 4200 | 2000 | 7150 | 2.50 | 625 | 79 | 78 | 74 | 80 | 75 | 72 |
| 4500 | 2100 | 7650 | 2.50 | 625 | 81 | 79 | 75 | 81 | 76 | 73 |
| 600 | 280 | 1000 | 3.00 | 750 | 55 | 57 | 58 | 61 | 62 | 59 |
| 1200 | 560 | 2050 | 3.00 | 750 | 62 | 65 | 65 | 68 | 64 | 61 |
| 1800 | 850 | 3050 | 3.00 | 750 | 67 | 70 | 69 | 73 | 69 | 65 |
| 2400 | 1150 | 4050 | 3.00 | 750 | 71 | 74 | 71 | 76 | 72 | 69 |
| 3000 | 1400 | 5100 | 3.00 | 750 | 74 | 75 | 73 | 79 | 75 | 71 |
| 3600 | 1700 | 6100 | 3.00 | 750 | 77 | 77 | 74 | 81 | 76 | 72 |
| 4200 | 2000 | 7150 | 3.00 | 750 | 80 | 79 | 76 | 82 | 77 | 73 |
| 4500 | 2100 | 7650 | 3.00 | 750 | 82 | 80 | 77 | 83 | 78 | 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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves

## Supply Sound Power Level Performance Data

### Triple 12 With Neutralizer

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 600 | 280 | 1000 | 0.60 | 150 | 49 | 47 | 46 | 41 | 35 | 30 |
| 1200 | 560 | 2050 | 0.60 | 150 | 54 | 50 | 48 | 47 | 43 | 39 |
| 1800 | 850 | 3050 | 0.60 | 150 | 59 | 53 | 50 | 50 | 45 | 42 |
| 2400 | 1150 | 4050 | 0.60 | 150 | 62 | 57 | 52 | 52 | 48 | 46 |
| 3000 | 1400 | 5100 | 0.60 | 150 | 64 | 59 | 55 | 55 | 53 | 52 |
| 3600 | 1700 | 6100 | 0.60 | 150 | 66 | 62 | 58 | 58 | 54 | 55 |
| 4200 | 2000 | 7150 | 0.60 | 150 | 67 | 63 | 60 | 60 | 57 | 56 |
| 4500 | 2100 | 7650 | 0.60 | 150 | 68 | 64 | 61 | 61 | 57 | 57 |
| 600 | 280 | 1000 | 1.00 | 250 | 50 | 50 | 50 | 45 | 43 | 36 |
| 1200 | 560 | 2050 | 1.00 | 250 | 56 | 55 | 53 | 51 | 48 | 45 |
| 1800 | 850 | 3050 | 1.00 | 250 | 62 | 59 | 56 | 55 | 52 | 49 |
| 2400 | 1150 | 4050 | 1.00 | 250 | 66 | 62 | 58 | 58 | 54 | 51 |
| 3000 | 1400 | 5100 | 1.00 | 250 | 69 | 64 | 60 | 60 | 56 | 54 |
| 3600 | 1700 | 6100 | 1.00 | 250 | 71 | 66 | 63 | 62 | 58 | 56 |
| 4200 | 2000 | 7150 | 1.00 | 250 | 73 | 68 | 64 | 65 | 60 | 57 |
| 4500 | 2100 | 7650 | 1.00 | 250 | 74 | 69 | 66 | 65 | 61 | 58 |
| 600 | 280 | 1000 | 1.50 | 375 | 51 | 51 | 53 | 49 | 49 | 42 |
| 1200 | 560 | 2050 | 1.50 | 375 | 57 | 59 | 57 | 55 | 53 | 49 |
| 1800 | 850 | 3050 | 1.50 | 375 | 63 | 63 | 60 | 60 | 57 | 54 |
| 2400 | 1150 | 4050 | 1.50 | 375 | 67 | 66 | 63 | 63 | 59 | 57 |
| 3000 | 1400 | 5100 | 1.50 | 375 | 71 | 68 | 64 | 64 | 60 | 58 |
| 3600 | 1700 | 6100 | 1.50 | 375 | 72 | 70 | 65 | 66 | 62 | 59 |
| 4200 | 2000 | 7150 | 1.50 | 375 | 76 | 72 | 68 | 68 | 63 | 60 |
| 4500 | 2100 | 7650 | 1.50 | 375 | 78 | 73 | 69 | 69 | 64 | 61 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 600 | 280 | 1000 | 2.00 | 500 | 52 | 52 | 54 | 51 | 53 | 48 |
| 1200 | 560 | 2050 | 2.00 | 500 | 59 | 61 | 59 | 57 | 55 | 53 |
| 1800 | 850 | 3050 | 2.00 | 500 | 64 | 65 | 63 | 62 | 59 | 57 |
| 2400 | 1150 | 4050 | 2.00 | 500 | 68 | 68 | 66 | 65 | 62 | 60 |
| 3000 | 1400 | 5100 | 2.00 | 500 | 72 | 71 | 68 | 68 | 64 | 61 |
| 3600 | 1700 | 6100 | 2.00 | 500 | 74 | 73 | 69 | 69 | 65 | 62 |
| 4200 | 2000 | 7150 | 2.00 | 500 | 77 | 75 | 71 | 71 | 66 | 63 |
| 4500 | 2100 | 7650 | 2.00 | 500 | 79 | 77 | 72 | 72 | 67 | 65 |
| 600 | 280 | 1000 | 2.50 | 625 | 54 | 54 | 56 | 53 | 55 | 53 |
| 1200 | 560 | 2050 | 2.50 | 625 | 60 | 62 | 61 | 59 | 57 | 55 |
| 1800 | 850 | 3050 | 2.50 | 625 | 65 | 67 | 65 | 64 | 61 | 59 |
| 2400 | 1150 | 4050 | 2.50 | 625 | 69 | 70 | 67 | 67 | 64 | 62 |
| 3000 | 1400 | 5100 | 2.50 | 625 | 73 | 73 | 70 | 70 | 66 | 64 |
| 3600 | 1700 | 6100 | 2.50 | 625 | 75 | 75 | 71 | 71 | 67 | 65 |
| 4200 | 2000 | 7150 | 2.50 | 625 | 79 | 76 | 72 | 73 | 69 | 67 |
| 4500 | 2100 | 7650 | 2.50 | 625 | 80 | 77 | 73 | 74 | 70 | 68 |
| 600 | 280 | 1000 | 3.00 | 750 | 55 | 55 | 57 | 54 | 57 | 56 |
| 1200 | 560 | 2050 | 3.00 | 750 | 61 | 62 | 63 | 60 | 59 | 57 |
| 1800 | 850 | 3050 | 3.00 | 750 | 67 | 68 | 67 | 65 | 63 | 61 |
| 2400 | 1150 | 4050 | 3.00 | 750 | 70 | 72 | 69 | 69 | 66 | 64 |
| 3000 | 1400 | 5100 | 3.00 | 750 | 74 | 74 | 71 | 71 | 68 | 66 |
| 3600 | 1700 | 6100 | 3.00 | 750 | 77 | 76 | 73 | 73 | 70 | 68 |
| 4200 | 2000 | 7150 | 3.00 | 750 | 79 | 78 | 75 | 74 | 71 | 69 |
| 4500 | 2100 | 7650 | 3.00 | 750 | 81 | 79 | 76 | 75 | 72 | 69 |

**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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves
## Supply Sound Power Level Performance Data
### Triple 14

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 600 | 283 | 1019 | 0.60 | 150 | 40 | 43 | 44 | 41 | 36 | 31 |
| 1200 | 566 | 2039 | 0.60 | 150 | 45 | 52 | 49 | 50 | 46 | 39 |
| 1800 | 850 | 3058 | 0.60 | 150 | 54 | 55 | 53 | 54 | 51 | 45 |
| 2400 | 1133 | 4078 | 0.60 | 150 | 58 | 58 | 55 | 57 | 53 | 48 |
| 3000 | 1416 | 5097 | 0.60 | 150 | 61 | 60 | 58 | 59 | 54 | 51 |
| 3600 | 1699 | 6116 | 0.60 | 150 | 66 | 64 | 60 | 60 | 56 | 52 |
| 4200 | 1982 | 7136 | 0.60 | 150 | 68 | 67 | 61 | 61 | 57 | 53 |
| 4800 | 2265 | 8155 | 0.60 | 150 | 69 | 69 | 63 | 62 | 58 | 54 |
| 5400 | 2549 | 9175 | 0.60 | 150 | 72 | 72 | 65 | 64 | 59 | 55 |
| 6000 | 2832 | 10194 | 0.60 | 150 | 74 | 74 | 68 | 65 | 59 | 56 |
| 6600 | 3115 | 11213 | 0.60 | 150 | 77 | 76 | 70 | 66 | 60 | 57 |
| 7200 | 3398 | 12233 | 0.60 | 150 | 78 | 79 | 73 | 66 | 61 | 58 |
| 600 | 283 | 1019 | 1.00 | 250 | 43 | 47 | 49 | 45 | 40 | 39 |
| 1200 | 566 | 2039 | 1.00 | 250 | 49 | 56 | 54 | 55 | 51 | 46 |
| 1800 | 850 | 3058 | 1.00 | 250 | 57 | 60 | 58 | 59 | 56 | 51 |
| 2400 | 1133 | 4078 | 1.00 | 250 | 61 | 63 | 60 | 62 | 59 | 54 |
| 3000 | 1416 | 5097 | 1.00 | 250 | 64 | 65 | 63 | 64 | 61 | 57 |
| 3600 | 1699 | 6116 | 1.00 | 250 | 68 | 68 | 65 | 66 | 62 | 58 |
| 4200 | 1982 | 7136 | 1.00 | 250 | 70 | 71 | 67 | 67 | 63 | 59 |
| 4800 | 2265 | 8155 | 1.00 | 250 | 72 | 73 | 68 | 68 | 64 | 61 |
| 5400 | 2549 | 9175 | 1.00 | 250 | 75 | 75 | 70 | 69 | 65 | 61 |
| 6000 | 2832 | 10194 | 1.00 | 250 | 76 | 78 | 72 | 70 | 65 | 62 |
| 6600 | 3115 | 11213 | 1.00 | 250 | 79 | 80 | 74 | 71 | 66 | 63 |
| 7200 | 3398 | 12233 | 1.00 | 250 | 81 | 81 | 76 | 72 | 66 | 64 |
| 600 | 283 | 1019 | 1.50 | 375 | 45 | 50 | 53 | 49 | 43 | 44 |
| 1200 | 566 | 2039 | 1.50 | 375 | 53 | 59 | 59 | 58 | 55 | 51 |
| 1800 | 850 | 3058 | 1.50 | 375 | 59 | 63 | 62 | 63 | 60 | 55 |
| 2400 | 1133 | 4078 | 1.50 | 375 | 63 | 66 | 65 | 66 | 63 | 59 |
| 3000 | 1416 | 5097 | 1.50 | 375 | 67 | 69 | 67 | 68 | 66 | 61 |
| 3600 | 1699 | 6116 | 1.50 | 375 | 70 | 72 | 69 | 70 | 67 | 63 |
| 4200 | 1982 | 7136 | 1.50 | 375 | 72 | 74 | 70 | 72 | 68 | 64 |
| 4800 | 2265 | 8155 | 1.50 | 375 | 74 | 76 | 72 | 72 | 69 | 66 |
| 5400 | 2549 | 9175 | 1.50 | 375 | 77 | 78 | 74 | 74 | 70 | 66 |
| 6000 | 2832 | 10194 | 1.50 | 375 | 79 | 80 | 75 | 74 | 70 | 67 |
| 6600 | 3115 | 11213 | 1.50 | 375 | 81 | 82 | 77 | 75 | 71 | 68 |
| 7200 | 3398 | 12233 | 1.50 | 375 | 83 | 83 | 79 | 76 | 72 | 69 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 600 | 283 | 1019 | 2.00 | 500 | 47 | 52 | 55 | 51 | 46 | 48 |
| 1200 | 566 | 2039 | 2.00 | 500 | 55 | 61 | 61 | 61 | 57 | 54 |
| 1800 | 850 | 3058 | 2.00 | 500 | 61 | 66 | 65 | 66 | 63 | 58 |
| 2400 | 1133 | 4078 | 2.00 | 500 | 65 | 69 | 68 | 69 | 66 | 62 |
| 3000 | 1416 | 5097 | 2.00 | 500 | 68 | 72 | 70 | 72 | 69 | 64 |
| 3600 | 1699 | 6116 | 2.00 | 500 | 72 | 74 | 72 | 73 | 70 | 66 |
| 4200 | 1982 | 7136 | 2.00 | 500 | 74 | 76 | 73 | 75 | 71 | 67 |
| 4800 | 2265 | 8155 | 2.00 | 500 | 77 | 78 | 75 | 76 | 72 | 68 |
| 5400 | 2549 | 9175 | 2.00 | 500 | 79 | 80 | 77 | 77 | 73 | 69 |
| 6000 | 2832 | 10194 | 2.00 | 500 | 80 | 82 | 78 | 77 | 74 | 69 |
| 6600 | 3115 | 11213 | 2.00 | 500 | 83 | 84 | 80 | 78 | 74 | 70 |
| 7200 | 3398 | 12233 | 2.00 | 500 | 84 | 85 | 81 | 79 | 74 | 72 |
| 600 | 283 | 1019 | 2.50 | 625 | 48 | 54 | 56 | 53 | 48 | 52 |
| 1200 | 566 | 2039 | 2.50 | 625 | 56 | 63 | 64 | 63 | 60 | 57 |
| 1800 | 850 | 3058 | 2.50 | 625 | 62 | 68 | 67 | 68 | 65 | 61 |
| 2400 | 1133 | 4078 | 2.50 | 625 | 66 | 71 | 69 | 71 | 69 | 64 |
| 3000 | 1416 | 5097 | 2.50 | 625 | 70 | 73 | 72 | 74 | 71 | 67 |
| 3600 | 1699 | 6116 | 2.50 | 625 | 73 | 76 | 74 | 76 | 73 | 68 |
| 4200 | 1982 | 7136 | 2.50 | 625 | 75 | 78 | 75 | 77 | 74 | 70 |
| 4800 | 2265 | 8155 | 2.50 | 625 | 78 | 80 | 77 | 78 | 75 | 71 |
| 5400 | 2549 | 9175 | 2.50 | 625 | 81 | 82 | 78 | 79 | 76 | 72 |
| 6000 | 2832 | 10194 | 2.50 | 625 | 81 | 84 | 80 | 80 | 76 | 73 |
| 6600 | 3115 | 11213 | 2.50 | 625 | 84 | 85 | 81 | 80 | 77 | 74 |
| 7200 | 3398 | 12233 | 2.50 | 625 | 85 | 86 | 83 | 81 | 77 | 74 |
| 600 | 283 | 1019 | 3.00 | 750 | 49 | 55 | 57 | 55 | 49 | 55 |
| 1200 | 566 | 2039 | 3.00 | 750 | 57 | 64 | 65 | 65 | 62 | 59 |
| 1800 | 850 | 3058 | 3.00 | 750 | 63 | 68 | 69 | 70 | 67 | 63 |
| 2400 | 1133 | 4078 | 3.00 | 750 | 67 | 73 | 71 | 73 | 70 | 66 |
| 3000 | 1416 | 5097 | 3.00 | 750 | 71 | 75 | 74 | 76 | 73 | 69 |
| 3600 | 1699 | 6116 | 3.00 | 750 | 74 | 77 | 76 | 78 | 75 | 71 |
| 4200 | 1982 | 7136 | 3.00 | 750 | 76 | 79 | 77 | 79 | 76 | 72 |
| 4800 | 2265 | 8155 | 3.00 | 750 | 79 | 81 | 79 | 80 | 77 | 73 |
| 5400 | 2549 | 9175 | 3.00 | 750 | 82 | 83 | 80 | 81 | 78 | 74 |
| 6000 | 2832 | 10194 | 3.00 | 750 | 82 | 85 | 81 | 82 | 79 | 75 |
| 6600 | 3115 | 11213 | 3.00 | 750 | 84 | 86 | 83 | 83 | 79 | 76 |
| 7200 | 3398 | 12233 | 3.00 | 750 | 86 | 88 | 84 | 83 | 79 | 77 |

**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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves
## Supply Sound Power Level Performance Data
### Triple 14 with Neutralizer

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 600 | 283 | 1019 | 0.60 | 150 | 40 | 43 | 43 | 33 | 30 | 26 |
| 1200 | 566 | 2039 | 0.60 | 150 | 45 | 52 | 48 | 42 | 40 | 35 |
| 1800 | 850 | 3058 | 0.60 | 150 | 54 | 55 | 52 | 46 | 46 | 40 |
| 2400 | 1133 | 4078 | 0.60 | 150 | 58 | 59 | 54 | 49 | 47 | 43 |
| 3000 | 1416 | 5097 | 0.60 | 150 | 61 | 60 | 57 | 51 | 49 | 46 |
| 3600 | 1699 | 6116 | 0.60 | 150 | 65 | 65 | 59 | 52 | 51 | 48 |
| 4200 | 1982 | 7136 | 0.60 | 150 | 67 | 67 | 61 | 53 | 52 | 49 |
| 4800 | 2265 | 8155 | 0.60 | 150 | 69 | 69 | 63 | 54 | 53 | 50 |
| 5400 | 2549 | 9175 | 0.60 | 150 | 72 | 71 | 65 | 56 | 54 | 51 |
| 6000 | 2832 | 10194 | 0.60 | 150 | 73 | 74 | 68 | 57 | 54 | 52 |
| 6600 | 3115 | 11213 | 0.60 | 150 | 76 | 75 | 70 | 57 | 54 | 52 |
| 7200 | 3398 | 12233 | 0.60 | 150 | 78 | 78 | 73 | 58 | 55 | 54 |
| 600 | 283 | 1019 | 1.00 | 250 | 43 | 47 | 49 | 37 | 35 | 34 |
| 1200 | 566 | 2039 | 1.00 | 250 | 49 | 56 | 53 | 47 | 45 | 41 |
| 1800 | 850 | 3058 | 1.00 | 250 | 57 | 59 | 57 | 51 | 51 | 46 |
| 2400 | 1133 | 4078 | 1.00 | 250 | 61 | 63 | 60 | 54 | 54 | 49 |
| 3000 | 1416 | 5097 | 1.00 | 250 | 64 | 65 | 62 | 56 | 56 | 52 |
| 3600 | 1699 | 6116 | 1.00 | 250 | 67 | 69 | 64 | 58 | 57 | 54 |
| 4200 | 1982 | 7136 | 1.00 | 250 | 70 | 71 | 66 | 59 | 58 | 55 |
| 4800 | 2265 | 8155 | 1.00 | 250 | 72 | 73 | 68 | 60 | 59 | 56 |
| 5400 | 2549 | 9175 | 1.00 | 250 | 74 | 75 | 70 | 61 | 60 | 57 |
| 6000 | 2832 | 10194 | 1.00 | 250 | 76 | 77 | 72 | 62 | 60 | 58 |
| 6600 | 3115 | 11213 | 1.00 | 250 | 79 | 80 | 74 | 63 | 60 | 58 |
| 7200 | 3398 | 12233 | 1.00 | 250 | 80 | 81 | 76 | 63 | 61 | 59 |
| 600 | 283 | 1019 | 1.50 | 375 | 45 | 50 | 52 | 41 | 38 | 39 |
| 1200 | 566 | 2039 | 1.50 | 375 | 53 | 59 | 58 | 50 | 49 | 46 |
| 1800 | 850 | 3058 | 1.50 | 375 | 59 | 63 | 61 | 55 | 55 | 51 |
| 2400 | 1133 | 4078 | 1.50 | 375 | 63 | 67 | 64 | 59 | 58 | 54 |
| 3000 | 1416 | 5097 | 1.50 | 375 | 67 | 69 | 66 | 61 | 60 | 57 |
| 3600 | 1699 | 6116 | 1.50 | 375 | 70 | 72 | 68 | 62 | 61 | 58 |
| 4200 | 1982 | 7136 | 1.50 | 375 | 72 | 74 | 70 | 64 | 63 | 60 |
| 4800 | 2265 | 8155 | 1.50 | 375 | 75 | 76 | 72 | 64 | 64 | 61 |
| 5400 | 2549 | 9175 | 1.50 | 375 | 77 | 78 | 73 | 66 | 64 | 62 |
| 6000 | 2832 | 10194 | 1.50 | 375 | 78 | 80 | 75 | 66 | 65 | 62 |
| 6600 | 3115 | 11213 | 1.50 | 375 | 81 | 82 | 77 | 67 | 66 | 63 |
| 7200 | 3398 | 12233 | 1.50 | 375 | 82 | 83 | 79 | 68 | 67 | 65 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 600 | 283 | 1019 | 2.00 | 500 | 47 | 52 | 54 | 43 | 40 | 43 |
| 1200 | 566 | 2039 | 2.00 | 500 | 56 | 61 | 61 | 53 | 52 | 50 |
| 1800 | 850 | 3058 | 2.00 | 500 | 61 | 65 | 64 | 58 | 57 | 54 |
| 2400 | 1133 | 4078 | 2.00 | 500 | 65 | 69 | 67 | 61 | 61 | 57 |
| 3000 | 1416 | 5097 | 2.00 | 500 | 68 | 72 | 69 | 64 | 63 | 60 |
| 3600 | 1699 | 6116 | 2.00 | 500 | 71 | 74 | 71 | 65 | 65 | 62 |
| 4200 | 1982 | 7136 | 2.00 | 500 | 73 | 76 | 72 | 67 | 66 | 63 |
| 4800 | 2265 | 8155 | 2.00 | 500 | 76 | 78 | 74 | 68 | 67 | 64 |
| 5400 | 2549 | 9175 | 2.00 | 500 | 78 | 80 | 76 | 69 | 68 | 64 |
| 6000 | 2832 | 10194 | 2.00 | 500 | 79 | 82 | 77 | 69 | 68 | 65 |
| 6600 | 3115 | 11213 | 2.00 | 500 | 82 | 84 | 79 | 70 | 69 | 66 |
| 7200 | 3398 | 12233 | 2.00 | 500 | 84 | 84 | 81 | 71 | 69 | 67 |
| 600 | 283 | 1019 | 2.50 | 625 | 48 | 54 | 56 | 46 | 43 | 47 |
| 1200 | 566 | 2039 | 2.50 | 625 | 57 | 63 | 63 | 56 | 55 | 53 |
| 1800 | 850 | 3058 | 2.50 | 625 | 63 | 67 | 66 | 61 | 60 | 57 |
| 2400 | 1133 | 4078 | 2.50 | 625 | 66 | 71 | 69 | 64 | 64 | 60 |
| 3000 | 1416 | 5097 | 2.50 | 625 | 70 | 73 | 71 | 66 | 67 | 63 |
| 3600 | 1699 | 6116 | 2.50 | 625 | 73 | 76 | 73 | 68 | 68 | 64 |
| 4200 | 1982 | 7136 | 2.50 | 625 | 75 | 78 | 75 | 70 | 69 | 66 |
| 4800 | 2265 | 8155 | 2.50 | 625 | 78 | 80 | 76 | 71 | 70 | 67 |
| 5400 | 2549 | 9175 | 2.50 | 625 | 80 | 82 | 78 | 71 | 71 | 68 |
| 6000 | 2832 | 10194 | 2.50 | 625 | 80 | 83 | 79 | 72 | 72 | 69 |
| 6600 | 3115 | 11213 | 2.50 | 625 | 84 | 85 | 81 | 73 | 72 | 70 |
| 7200 | 3398 | 12233 | 2.50 | 625 | 85 | 86 | 82 | 73 | 73 | 70 |
| 600 | 283 | 1019 | 3.00 | 750 | 49 | 55 | 57 | 47 | 45 | 50 |
| 1200 | 566 | 2039 | 3.00 | 750 | 58 | 64 | 65 | 57 | 57 | 55 |
| 1800 | 850 | 3058 | 3.00 | 750 | 63 | 69 | 68 | 62 | 62 | 59 |
| 2400 | 1133 | 4078 | 3.00 | 750 | 67 | 72 | 71 | 66 | 66 | 62 |
| 3000 | 1416 | 5097 | 3.00 | 750 | 71 | 75 | 73 | 68 | 68 | 65 |
| 3600 | 1699 | 6116 | 3.00 | 750 | 74 | 77 | 74 | 70 | 70 | 67 |
| 4200 | 1982 | 7136 | 3.00 | 750 | 76 | 79 | 76 | 71 | 72 | 68 |
| 4800 | 2265 | 8155 | 3.00 | 750 | 79 | 81 | 78 | 73 | 72 | 69 |
| 5400 | 2549 | 9175 | 3.00 | 750 | 81 | 83 | 79 | 73 | 73 | 70 |
| 6000 | 2832 | 10194 | 3.00 | 750 | 81 | 85 | 80 | 74 | 74 | 71 |
| 6600 | 3115 | 11213 | 3.00 | 750 | 85 | 87 | 82 | 75 | 74 | 72 |
| 7200 | 3398 | 12233 | 3.00 | 750 | 86 | 87 | 84 | 75 | 75 | 72 |

**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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves

## Supply Sound Power Level Performance Data

### Quad 12

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 800 | 380 | 1350 | 0.60 | 150 | 50 | 48 | 49 | 48 | 40 | 33 |
| 1600 | 750 | 2700 | 0.60 | 150 | 55 | 51 | 50 | 55 | 49 | 44 |
| 2400 | 1150 | 4100 | 0.60 | 150 | 60 | 55 | 52 | 58 | 52 | 46 |
| 3200 | 1500 | 5450 | 0.60 | 150 | 64 | 58 | 55 | 60 | 55 | 52 |
| 4000 | 1900 | 6800 | 0.60 | 150 | 65 | 61 | 58 | 63 | 58 | 58 |
| 4800 | 2250 | 8150 | 0.60 | 150 | 67 | 63 | 61 | 66 | 59 | 59 |
| 5600 | 2650 | 9500 | 0.60 | 150 | 68 | 64 | 62 | 67 | 60 | 61 |
| 6000 | 2850 | 10200 | 0.60 | 150 | 69 | 65 | 63 | 68 | 61 | 62 |
| 800 | 380 | 1350 | 1.00 | 250 | 51 | 52 | 53 | 54 | 48 | 41 |
| 1600 | 750 | 2700 | 1.00 | 250 | 58 | 57 | 55 | 60 | 55 | 51 |
| 2400 | 1150 | 4100 | 1.00 | 250 | 64 | 60 | 58 | 65 | 59 | 55 |
| 3200 | 1500 | 5450 | 1.00 | 250 | 67 | 63 | 60 | 66 | 60 | 56 |
| 4000 | 1900 | 6800 | 1.00 | 250 | 70 | 65 | 63 | 67 | 61 | 59 |
| 4800 | 2250 | 8150 | 1.00 | 250 | 72 | 68 | 65 | 70 | 63 | 61 |
| 5600 | 2650 | 9500 | 1.00 | 250 | 74 | 69 | 67 | 72 | 64 | 63 |
| 6000 | 2850 | 10200 | 1.00 | 250 | 75 | 70 | 68 | 73 | 65 | 64 |
| 800 | 380 | 1350 | 1.50 | 375 | 53 | 54 | 55 | 57 | 55 | 47 |
| 1600 | 750 | 2700 | 1.50 | 375 | 59 | 61 | 59 | 63 | 59 | 55 |
| 2400 | 1150 | 4100 | 1.50 | 375 | 65 | 65 | 62 | 69 | 64 | 60 |
| 3200 | 1500 | 5450 | 1.50 | 375 | 68 | 68 | 65 | 71 | 66 | 62 |
| 4000 | 1900 | 6800 | 1.50 | 375 | 72 | 69 | 66 | 72 | 67 | 63 |
| 4800 | 2250 | 8150 | 1.50 | 375 | 73 | 72 | 67 | 73 | 68 | 64 |
| 5600 | 2650 | 9500 | 1.50 | 375 | 78 | 73 | 71 | 76 | 69 | 66 |
| 6000 | 2850 | 10200 | 1.50 | 375 | 79 | 74 | 72 | 77 | 70 | 67 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 800 | 380 | 1350 | 2.00 | 500 | 54 | 55 | 57 | 60 | 59 | 53 |
| 1600 | 750 | 2700 | 2.00 | 500 | 60 | 63 | 62 | 66 | 61 | 58 |
| 2400 | 1150 | 4100 | 2.00 | 500 | 66 | 68 | 65 | 71 | 66 | 63 |
| 3200 | 1500 | 5450 | 2.00 | 500 | 69 | 71 | 68 | 75 | 69 | 66 |
| 4000 | 1900 | 6800 | 2.00 | 500 | 73 | 72 | 70 | 76 | 70 | 67 |
| 4800 | 2250 | 8150 | 2.00 | 500 | 76 | 75 | 71 | 77 | 71 | 68 |
| 5600 | 2650 | 9500 | 2.00 | 500 | 79 | 77 | 74 | 79 | 72 | 69 |
| 6000 | 2850 | 10200 | 2.00 | 500 | 81 | 79 | 75 | 81 | 73 | 71 |
| 800 | 380 | 1350 | 2.50 | 625 | 55 | 56 | 58 | 61 | 61 | 58 |
| 1600 | 750 | 2700 | 2.50 | 625 | 61 | 64 | 64 | 67 | 63 | 60 |
| 2400 | 1150 | 4100 | 2.50 | 625 | 67 | 69 | 68 | 72 | 68 | 65 |
| 3200 | 1500 | 5450 | 2.50 | 625 | 70 | 72 | 70 | 76 | 71 | 68 |
| 4000 | 1900 | 6800 | 2.50 | 625 | 74 | 74 | 73 | 78 | 73 | 70 |
| 4800 | 2250 | 8150 | 2.50 | 625 | 77 | 77 | 74 | 80 | 74 | 71 |
| 5600 | 2650 | 9500 | 2.50 | 625 | 80 | 79 | 75 | 81 | 75 | 73 |
| 6000 | 2850 | 10200 | 2.50 | 625 | 82 | 80 | 76 | 82 | 76 | 74 |
| 800 | 380 | 1350 | 3.00 | 750 | 56 | 57 | 59 | 62 | 63 | 60 |
| 1600 | 750 | 2700 | 3.00 | 750 | 62 | 65 | 65 | 69 | 65 | 63 |
| 2400 | 1150 | 4100 | 3.00 | 750 | 68 | 70 | 70 | 74 | 70 | 67 |
| 3200 | 1500 | 5450 | 3.00 | 750 | 71 | 73 | 72 | 77 | 73 | 69 |
| 4000 | 1900 | 6800 | 3.00 | 750 | 75 | 76 | 74 | 80 | 75 | 72 |
| 4800 | 2250 | 8150 | 3.00 | 750 | 78 | 78 | 75 | 81 | 76 | 73 |
| 5600 | 2650 | 9500 | 3.00 | 750 | 81 | 80 | 77 | 82 | 77 | 74 |
| 6000 | 2850 | 10200 | 3.00 | 750 | 83 | 81 | 78 | 83 | 78 | 75 |

**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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves

## Supply Sound Power Level Performance Data

### Quad 12 With Neutralizer

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 800 | 380 | 1350 | 0.60 | 150 | 50 | 48 | 48 | 43 | 37 | 32 |
| 1600 | 750 | 2700 | 0.60 | 150 | 54 | 51 | 49 | 49 | 45 | 41 |
| 2400 | 1150 | 4100 | 0.60 | 150 | 60 | 55 | 52 | 52 | 48 | 43 |
| 3200 | 1500 | 5450 | 0.60 | 150 | 63 | 58 | 54 | 54 | 51 | 48 |
| 4000 | 1900 | 6800 | 0.60 | 150 | 65 | 61 | 57 | 58 | 55 | 55 |
| 4800 | 2250 | 8150 | 0.60 | 150 | 67 | 63 | 60 | 61 | 57 | 57 |
| 5600 | 2650 | 9500 | 0.60 | 150 | 68 | 64 | 61 | 62 | 59 | 58 |
| 6000 | 2850 | 10200 | 0.60 | 150 | 69 | 65 | 62 | 63 | 60 | 59 |
| 800 | 380 | 1350 | 1.00 | 250 | 51 | 51 | 52 | 47 | 44 | 38 |
| 1600 | 750 | 2700 | 1.00 | 250 | 58 | 56 | 55 | 54 | 51 | 47 |
| 2400 | 1150 | 4100 | 1.00 | 250 | 64 | 60 | 58 | 58 | 54 | 51 |
| 3200 | 1500 | 5450 | 1.00 | 250 | 67 | 63 | 60 | 60 | 56 | 53 |
| 4000 | 1900 | 6800 | 1.00 | 250 | 70 | 65 | 62 | 62 | 58 | 56 |
| 4800 | 2250 | 8150 | 1.00 | 250 | 72 | 68 | 65 | 65 | 60 | 58 |
| 5600 | 2650 | 9500 | 1.00 | 250 | 74 | 69 | 66 | 67 | 62 | 59 |
| 6000 | 2850 | 10200 | 1.00 | 250 | 75 | 70 | 67 | 68 | 63 | 60 |
| 800 | 380 | 1350 | 1.50 | 375 | 52 | 52 | 54 | 51 | 52 | 44 |
| 1600 | 750 | 2700 | 1.50 | 375 | 59 | 61 | 58 | 57 | 55 | 51 |
| 2400 | 1150 | 4100 | 1.50 | 375 | 65 | 65 | 62 | 62 | 59 | 57 |
| 3200 | 1500 | 5450 | 1.50 | 375 | 68 | 67 | 65 | 65 | 62 | 59 |
| 4000 | 1900 | 6800 | 1.50 | 375 | 72 | 69 | 66 | 67 | 63 | 60 |
| 4800 | 2250 | 8150 | 1.50 | 375 | 73 | 72 | 67 | 68 | 64 | 61 |
| 5600 | 2650 | 9500 | 1.50 | 375 | 78 | 73 | 70 | 70 | 65 | 62 |
| 6000 | 2850 | 10200 | 1.50 | 375 | 79 | 74 | 71 | 71 | 66 | 63 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 800 | 380 | 1350 | 2.00 | 500 | 53 | 54 | 55 | 53 | 56 | 50 |
| 1600 | 750 | 2700 | 2.00 | 500 | 60 | 62 | 61 | 60 | 58 | 55 |
| 2400 | 1150 | 4100 | 2.00 | 500 | 66 | 67 | 65 | 64 | 62 | 59 |
| 3200 | 1500 | 5450 | 2.00 | 500 | 69 | 70 | 68 | 68 | 65 | 62 |
| 4000 | 1900 | 6800 | 2.00 | 500 | 73 | 72 | 70 | 70 | 66 | 63 |
| 4800 | 2250 | 8150 | 2.00 | 500 | 76 | 75 | 71 | 72 | 67 | 64 |
| 5600 | 2650 | 9500 | 2.00 | 500 | 79 | 77 | 73 | 73 | 68 | 65 |
| 6000 | 2850 | 10200 | 2.00 | 500 | 81 | 79 | 74 | 75 | 69 | 67 |
| 800 | 380 | 1350 | 2.50 | 625 | 54 | 55 | 56 | 55 | 58 | 55 |
| 1600 | 750 | 2700 | 2.50 | 625 | 61 | 63 | 63 | 61 | 59 | 57 |
| 2400 | 1150 | 4100 | 2.50 | 625 | 67 | 68 | 67 | 66 | 64 | 61 |
| 3200 | 1500 | 5450 | 2.50 | 625 | 70 | 72 | 70 | 70 | 67 | 64 |
| 4000 | 1900 | 6800 | 2.50 | 625 | 74 | 74 | 72 | 73 | 69 | 66 |
| 4800 | 2250 | 8150 | 2.50 | 625 | 77 | 76 | 73 | 74 | 70 | 67 |
| 5600 | 2650 | 9500 | 2.50 | 625 | 80 | 78 | 74 | 75 | 71 | 69 |
| 6000 | 2850 | 10200 | 2.50 | 625 | 82 | 79 | 75 | 76 | 72 | 70 |
| 800 | 380 | 1350 | 3.00 | 750 | 55 | 56 | 57 | 56 | 60 | 58 |
| 1600 | 750 | 2700 | 3.00 | 750 | 62 | 64 | 65 | 63 | 61 | 59 |
| 2400 | 1150 | 4100 | 3.00 | 750 | 68 | 69 | 69 | 68 | 65 | 63 |
| 3200 | 1500 | 5450 | 3.00 | 750 | 71 | 73 | 71 | 71 | 69 | 66 |
| 4000 | 1900 | 6800 | 3.00 | 750 | 75 | 76 | 74 | 74 | 71 | 68 |
| 4800 | 2250 | 8150 | 3.00 | 750 | 78 | 78 | 75 | 75 | 72 | 69 |
| 5600 | 2650 | 9500 | 3.00 | 750 | 81 | 80 | 77 | 76 | 73 | 70 |
| 6000 | 2850 | 10200 | 3.00 | 750 | 83 | 81 | 78 | 77 | 74 | 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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves
## Supply Sound Power Level Performance Data
### Quad 14

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 800 | 378 | 1359 | 0.60 | 150 | 42 | 45 | 45 | 43 | 36 | 33 |
| 1600 | 755 | 2718 | 0.60 | 150 | 45 | 54 | 50 | 52 | 47 | 41 |
| 2400 | 1133 | 4078 | 0.60 | 150 | 53 | 57 | 53 | 56 | 52 | 47 |
| 3200 | 1510 | 5437 | 0.60 | 150 | 54 | 61 | 56 | 59 | 54 | 50 |
| 4000 | 1888 | 6796 | 0.60 | 150 | 61 | 62 | 59 | 60 | 55 | 52 |
| 4800 | 2265 | 8155 | 0.60 | 150 | 65 | 67 | 61 | 62 | 57 | 53 |
| 5600 | 2643 | 9514 | 0.60 | 150 | 67 | 70 | 63 | 62 | 58 | 54 |
| 6400 | 3020 | 10874 | 0.60 | 150 | 70 | 72 | 65 | 63 | 60 | 55 |
| 7200 | 3398 | 12233 | 0.60 | 150 | 72 | 74 | 67 | 65 | 60 | 57 |
| 8000 | 3776 | 13592 | 0.60 | 150 | 74 | 77 | 70 | 66 | 60 | 58 |
| 8800 | 4153 | 14951 | 0.60 | 150 | 78 | 78 | 72 | 66 | 61 | 58 |
| 9600 | 4531 | 16311 | 0.60 | 150 | 80 | 82 | 75 | 66 | 62 | 59 |
| 800 | 378 | 1359 | 1.00 | 250 | 44 | 48 | 49 | 47 | 40 | 40 |
| 1600 | 755 | 2718 | 1.00 | 250 | 50 | 58 | 55 | 56 | 52 | 47 |
| 2400 | 1133 | 4078 | 1.00 | 250 | 57 | 62 | 59 | 61 | 57 | 52 |
| 3200 | 1510 | 5437 | 1.00 | 250 | 60 | 65 | 61 | 64 | 61 | 56 |
| 4000 | 1888 | 6796 | 1.00 | 250 | 64 | 67 | 64 | 66 | 62 | 58 |
| 4800 | 2265 | 8155 | 1.00 | 250 | 68 | 71 | 66 | 67 | 63 | 60 |
| 5600 | 2643 | 9514 | 1.00 | 250 | 70 | 73 | 68 | 69 | 64 | 60 |
| 6400 | 3020 | 10874 | 1.00 | 250 | 74 | 76 | 70 | 69 | 66 | 63 |
| 7200 | 3398 | 12233 | 1.00 | 250 | 76 | 78 | 72 | 71 | 66 | 63 |
| 8000 | 3776 | 13592 | 1.00 | 250 | 77 | 80 | 74 | 71 | 66 | 64 |
| 8800 | 4153 | 14951 | 1.00 | 250 | 80 | 82 | 76 | 72 | 67 | 64 |
| 9600 | 4531 | 16311 | 1.00 | 250 | 82 | 84 | 78 | 72 | 67 | 65 |
| 800 | 378 | 1359 | 1.50 | 375 | 47 | 51 | 52 | 50 | 43 | 46 |
| 1600 | 755 | 2718 | 1.50 | 375 | 54 | 61 | 60 | 60 | 56 | 52 |
| 2400 | 1133 | 4078 | 1.50 | 375 | 59 | 65 | 63 | 65 | 61 | 57 |
| 3200 | 1510 | 5437 | 1.50 | 375 | 63 | 68 | 66 | 68 | 65 | 60 |
| 4000 | 1888 | 6796 | 1.50 | 375 | 68 | 71 | 68 | 70 | 67 | 63 |
| 4800 | 2265 | 8155 | 1.50 | 375 | 71 | 74 | 70 | 72 | 68 | 64 |
| 5600 | 2643 | 9514 | 1.50 | 375 | 72 | 76 | 71 | 73 | 69 | 65 |
| 6400 | 3020 | 10874 | 1.50 | 375 | 76 | 79 | 74 | 74 | 70 | 67 |
| 7200 | 3398 | 12233 | 1.50 | 375 | 78 | 81 | 75 | 75 | 71 | 68 |
| 8000 | 3776 | 13592 | 1.50 | 375 | 79 | 83 | 77 | 76 | 71 | 68 |
| 8800 | 4153 | 14951 | 1.50 | 375 | 83 | 85 | 79 | 76 | 72 | 70 |
| 9600 | 4531 | 16311 | 1.50 | 375 | 84 | 85 | 81 | 77 | 73 | 71 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 800 | 378 | 1359 | 2.00 | 500 | 48 | 53 | 54 | 53 | 46 | 50 |
| 1600 | 755 | 2718 | 2.00 | 500 | 56 | 63 | 63 | 63 | 58 | 55 |
| 2400 | 1133 | 4078 | 2.00 | 500 | 61 | 67 | 66 | 68 | 64 | 60 |
| 3200 | 1510 | 5437 | 2.00 | 500 | 65 | 71 | 69 | 71 | 68 | 63 |
| 4000 | 1888 | 6796 | 2.00 | 500 | 69 | 74 | 71 | 73 | 70 | 66 |
| 4800 | 2265 | 8155 | 2.00 | 500 | 72 | 76 | 73 | 75 | 72 | 68 |
| 5600 | 2643 | 9514 | 2.00 | 500 | 75 | 79 | 74 | 76 | 73 | 69 |
| 6400 | 3020 | 10874 | 2.00 | 500 | 78 | 81 | 76 | 77 | 74 | 69 |
| 7200 | 3398 | 12233 | 2.00 | 500 | 80 | 83 | 78 | 78 | 74 | 69 |
| 8000 | 3776 | 13592 | 2.00 | 500 | 80 | 85 | 80 | 79 | 75 | 70 |
| 8800 | 4153 | 14951 | 2.00 | 500 | 84 | 86 | 81 | 79 | 75 | 72 |
| 9600 | 4531 | 16311 | 2.00 | 500 | 86 | 87 | 83 | 80 | 75 | 73 |
| 800 | 378 | 1359 | 2.50 | 625 | 49 | 54 | 56 | 55 | 48 | 54 |
| 1600 | 755 | 2718 | 2.50 | 625 | 58 | 65 | 65 | 65 | 61 | 58 |
| 2400 | 1133 | 4078 | 2.50 | 625 | 63 | 70 | 68 | 70 | 66 | 62 |
| 3200 | 1510 | 5437 | 2.50 | 625 | 67 | 73 | 70 | 73 | 70 | 66 |
| 4000 | 1888 | 6796 | 2.50 | 625 | 71 | 76 | 73 | 76 | 73 | 69 |
| 4800 | 2265 | 8155 | 2.50 | 625 | 74 | 78 | 74 | 77 | 74 | 69 |
| 5600 | 2643 | 9514 | 2.50 | 625 | 76 | 80 | 76 | 79 | 75 | 72 |
| 6400 | 3020 | 10874 | 2.50 | 625 | 79 | 82 | 78 | 80 | 76 | 73 |
| 7200 | 3398 | 12233 | 2.50 | 625 | 81 | 84 | 80 | 80 | 77 | 73 |
| 8000 | 3776 | 13592 | 2.50 | 625 | 81 | 86 | 81 | 81 | 77 | 74 |
| 8800 | 4153 | 14951 | 2.50 | 625 | 85 | 88 | 83 | 81 | 78 | 75 |
| 9600 | 4531 | 16311 | 2.50 | 625 | 87 | 89 | 85 | 82 | 78 | 75 |
| 800 | 378 | 1359 | 3.00 | 750 | 50 | 55 | 57 | 56 | 49 | 57 |
| 1600 | 755 | 2718 | 3.00 | 750 | 59 | 66 | 67 | 66 | 62 | 60 |
| 2400 | 1133 | 4078 | 3.00 | 750 | 64 | 70 | 70 | 72 | 68 | 64 |
| 3200 | 1510 | 5437 | 3.00 | 750 | 68 | 75 | 72 | 75 | 72 | 68 |
| 4000 | 1888 | 6796 | 3.00 | 750 | 72 | 77 | 75 | 77 | 75 | 71 |
| 4800 | 2265 | 8155 | 3.00 | 750 | 75 | 79 | 77 | 79 | 76 | 73 |
| 5600 | 2643 | 9514 | 3.00 | 750 | 77 | 82 | 78 | 81 | 78 | 74 |
| 6400 | 3020 | 10874 | 3.00 | 750 | 80 | 84 | 80 | 82 | 78 | 75 |
| 7200 | 3398 | 12233 | 3.00 | 750 | 82 | 86 | 81 | 82 | 79 | 75 |
| 8000 | 3776 | 13592 | 3.00 | 750 | 82 | 87 | 82 | 83 | 80 | 76 |
| 8800 | 4153 | 14951 | 3.00 | 750 | 85 | 89 | 85 | 84 | 80 | 77 |
| 9600 | 4531 | 16311 | 3.00 | 750 | 87 | 91 | 86 | 84 | 80 | 78 |

**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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.

# Phoenix Controls
# Accel II Airflow Control Valves

## Medium Pressure Airflow Control Valves
## Supply Sound Power Level Performance Data
### Quad 14 with Neutralizer

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 800 | 378 | 1359 | 0.60 | 150 | 42 | 45 | 45 | 35 | 30 | 28 |
| 1600 | 755 | 2718 | 0.60 | 150 | 45 | 54 | 49 | 44 | 42 | 36 |
| 2400 | 1133 | 4078 | 0.60 | 150 | 52 | 57 | 53 | 49 | 47 | 42 |
| 3200 | 1510 | 5437 | 0.60 | 150 | 53 | 61 | 56 | 52 | 48 | 45 |
| 4000 | 1888 | 6796 | 0.60 | 150 | 61 | 63 | 58 | 53 | 49 | 47 |
| 4800 | 2265 | 8155 | 0.60 | 150 | 65 | 68 | 61 | 55 | 51 | 48 |
| 5600 | 2643 | 9514 | 0.60 | 150 | 67 | 70 | 63 | 55 | 52 | 49 |
| 6400 | 3020 | 10874 | 0.60 | 150 | 70 | 72 | 65 | 56 | 54 | 50 |
| 7200 | 3398 | 12233 | 0.60 | 150 | 72 | 74 | 68 | 58 | 55 | 52 |
| 8000 | 3776 | 13592 | 0.60 | 150 | 74 | 77 | 70 | 58 | 55 | 53 |
| 8800 | 4153 | 14951 | 0.60 | 150 | 78 | 78 | 73 | 59 | 55 | 53 |
| 9600 | 4531 | 16311 | 0.60 | 150 | 80 | 81 | 75 | 59 | 56 | 54 |
| 800 | 378 | 1359 | 1.00 | 250 | 44 | 48 | 50 | 40 | 34 | 34 |
| 1600 | 755 | 2718 | 1.00 | 250 | 50 | 58 | 55 | 49 | 46 | 42 |
| 2400 | 1133 | 4078 | 1.00 | 250 | 56 | 61 | 58 | 54 | 52 | 47 |
| 3200 | 1510 | 5437 | 1.00 | 250 | 60 | 65 | 61 | 57 | 55 | 50 |
| 4000 | 1888 | 6796 | 1.00 | 250 | 64 | 67 | 63 | 59 | 57 | 53 |
| 4800 | 2265 | 8155 | 1.00 | 250 | 68 | 71 | 66 | 60 | 57 | 54 |
| 5600 | 2643 | 9514 | 1.00 | 250 | 70 | 74 | 68 | 62 | 58 | 55 |
| 6400 | 3020 | 10874 | 1.00 | 250 | 73 | 76 | 70 | 62 | 60 | 57 |
| 7200 | 3398 | 12233 | 1.00 | 250 | 75 | 78 | 72 | 63 | 61 | 58 |
| 8000 | 3776 | 13592 | 1.00 | 250 | 77 | 79 | 74 | 64 | 61 | 58 |
| 8800 | 4153 | 14951 | 1.00 | 250 | 80 | 82 | 77 | 65 | 61 | 59 |
| 9600 | 4531 | 16311 | 1.00 | 250 | 82 | 84 | 78 | 65 | 61 | 59 |
| 800 | 378 | 1359 | 1.50 | 375 | 47 | 51 | 52 | 43 | 38 | 40 |
| 1600 | 755 | 2718 | 1.50 | 375 | 54 | 61 | 59 | 53 | 50 | 47 |
| 2400 | 1133 | 4078 | 1.50 | 375 | 59 | 65 | 62 | 58 | 56 | 52 |
| 3200 | 1510 | 5437 | 1.50 | 375 | 62 | 69 | 65 | 61 | 59 | 55 |
| 4000 | 1888 | 6796 | 1.50 | 375 | 67 | 72 | 68 | 63 | 61 | 57 |
| 4800 | 2265 | 8155 | 1.50 | 375 | 70 | 74 | 69 | 65 | 62 | 59 |
| 5600 | 2643 | 9514 | 1.50 | 375 | 72 | 77 | 71 | 66 | 63 | 60 |
| 6400 | 3020 | 10874 | 1.50 | 375 | 76 | 79 | 73 | 67 | 65 | 62 |
| 7200 | 3398 | 12233 | 1.50 | 375 | 78 | 81 | 75 | 68 | 65 | 62 |
| 8000 | 3776 | 13592 | 1.50 | 375 | 79 | 82 | 77 | 68 | 66 | 63 |
| 8800 | 4153 | 14951 | 1.50 | 375 | 82 | 85 | 79 | 69 | 67 | 64 |
| 9600 | 4531 | 16311 | 1.50 | 375 | 84 | 85 | 81 | 70 | 68 | 66 |

| Airflow | | | DPS | | Sound Power Levels in dB ref 10^-12 Watts Octave Band Center Frequency in Hz | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| cfm | L/s | $m^3/h$ | in wc | Pa | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 800 | 378 | 1359 | 2.00 | 500 | 49 | 53 | 53 | 46 | 40 | 45 |
| 1600 | 755 | 2718 | 2.00 | 500 | 57 | 63 | 62 | 56 | 53 | 50 |
| 2400 | 1133 | 4078 | 2.00 | 500 | 62 | 67 | 65 | 61 | 58 | 55 |
| 3200 | 1510 | 5437 | 2.00 | 500 | 65 | 71 | 68 | 64 | 62 | 58 |
| 4000 | 1888 | 6796 | 2.00 | 500 | 69 | 74 | 70 | 66 | 64 | 61 |
| 4800 | 2265 | 8155 | 2.00 | 500 | 72 | 76 | 72 | 68 | 66 | 63 |
| 5600 | 2643 | 9514 | 2.00 | 500 | 74 | 78 | 74 | 69 | 67 | 64 |
| 6400 | 3020 | 10874 | 2.00 | 500 | 77 | 81 | 76 | 70 | 68 | 64 |
| 7200 | 3398 | 12233 | 2.00 | 500 | 80 | 83 | 78 | 71 | 69 | 64 |
| 8000 | 3776 | 13592 | 2.00 | 500 | 80 | 84 | 79 | 72 | 69 | 65 |
| 8800 | 4153 | 14951 | 2.00 | 500 | 84 | 86 | 81 | 72 | 70 | 66 |
| 9600 | 4531 | 16311 | 2.00 | 500 | 85 | 87 | 83 | 73 | 69 | 68 |
| 800 | 378 | 1359 | 2.50 | 625 | 49 | 54 | 56 | 48 | 43 | 50 |
| 1600 | 755 | 2718 | 2.50 | 625 | 58 | 64 | 65 | 58 | 56 | 54 |
| 2400 | 1133 | 4078 | 2.50 | 625 | 63 | 69 | 68 | 63 | 62 | 58 |
| 3200 | 1510 | 5437 | 2.50 | 625 | 66 | 73 | 70 | 67 | 66 | 62 |
| 4000 | 1888 | 6796 | 2.50 | 625 | 71 | 75 | 72 | 69 | 68 | 64 |
| 4800 | 2265 | 8155 | 2.50 | 625 | 74 | 78 | 74 | 71 | 70 | 64 |
| 5600 | 2643 | 9514 | 2.50 | 625 | 75 | 80 | 76 | 72 | 71 | 67 |
| 6400 | 3020 | 10874 | 2.50 | 625 | 79 | 82 | 78 | 73 | 72 | 68 |
| 7200 | 3398 | 12233 | 2.50 | 625 | 81 | 84 | 79 | 74 | 72 | 69 |
| 8000 | 3776 | 13592 | 2.50 | 625 | 81 | 86 | 81 | 74 | 73 | 70 |
| 8800 | 4153 | 14951 | 2.50 | 625 | 85 | 88 | 83 | 75 | 73 | 71 |
| 9600 | 4531 | 16311 | 2.50 | 625 | 87 | 88 | 84 | 75 | 74 | 71 |
| 800 | 378 | 1359 | 3.00 | 750 | 51 | 55 | 58 | 50 | 45 | 53 |
| 1600 | 755 | 2718 | 3.00 | 750 | 59 | 66 | 67 | 60 | 58 | 56 |
| 2400 | 1133 | 4078 | 3.00 | 750 | 64 | 70 | 69 | 65 | 63 | 60 |
| 3200 | 1510 | 5437 | 3.00 | 750 | 67 | 74 | 72 | 68 | 67 | 64 |
| 4000 | 1888 | 6796 | 3.00 | 750 | 72 | 77 | 74 | 71 | 70 | 66 |
| 4800 | 2265 | 8155 | 3.00 | 750 | 75 | 79 | 75 | 72 | 72 | 68 |
| 5600 | 2643 | 9514 | 3.00 | 750 | 76 | 81 | 77 | 74 | 73 | 69 |
| 6400 | 3020 | 10874 | 3.00 | 750 | 80 | 84 | 79 | 75 | 74 | 70 |
| 7200 | 3398 | 12233 | 3.00 | 750 | 82 | 85 | 81 | 76 | 74 | 71 |
| 8000 | 3776 | 13592 | 3.00 | 750 | 82 | 87 | 82 | 76 | 75 | 72 |
| 8800 | 4153 | 14951 | 3.00 | 750 | 86 | 89 | 84 | 77 | 75 | 73 |
| 9600 | 4531 | 16311 | 3.00 | 750 | 88 | 90 | 86 | 77 | 76 | 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. Supply sound is the noise emitted from the valve outlet into the laboratory/room.