

**EXAIR**

## Air Amplifiers and Kits

- Pressure range: 5 to 120 psi
  - Temp. rating: 275°F for aluminum; 400°F for stainless steel
- Compact, lightweight, and portable amplifiers run on compressed air so electricity is not required. Both the vacuum and discharge ends can be ducted, making them excellent for drawing fresh air from another location or moving smoke and fumes away. High-efficiency amplifiers feature an exact air gap; adjustable amplifiers can be adjusted up to 0.010" at 80 psi. Kits include shim set, filter separator, pressure regulator, and filter/regulator mounting hardware.

CFM @ 80 psi Adjustable	Amplification Ratio	Air Output Volume CFM @ 80 psi	Air Inlet	Inside Dia.	Max. dBA	ALUMINUM		STAINLESS STEEL	
						Air Amplifier Item No.	Air Amplifier Kit Item No.	Air Amplifier Item No.	Air Amplifier Kit Item No.
8.9 cfm	10	267 cfm	1/8 in NPT	0.45 in	78 dBA	4LCX7	4LCX8	4LCX9	4LCY1
12.9 cfm	16	618 cfm	1/4 in NPT	0.84 in	81 dBA	4LCY2	4LCY3	4LCY4	4NUW8
21.5 cfm	20	1,290 cfm	1/2 in NPT	1.64 in	82 dBA	4NUW9	4NUX1	4NUX2	4NUX3
35.2 cfm	22	2,323 cfm	1/2 in NPT	2.2 in	83 dBA	15J062	15J063	15J066	15J067
50 cfm	24	3,600 cfm	1/2 in NPT	3.02 in	84 dBA	15J064	15J065	15J068	15J069
High-Efficiency									
6.1 cfm	12	219 cfm	1/8 in NPT	0.45 in	69 dBA	4LCX1	4LCX2	—	—
8.1 cfm	18	436 cfm	1/4 in NPT	0.84 in	72 dBA	4LCX3	4LCX4	—	—
15.5 cfm	22	1,023 cfm	1/2 in NPT	1.64 in	72 dBA	4LCX5	4LCX6	—	—
29.2 cfm	25	2,190 cfm	1/2 in NPT	3.02 in	73 dBA	15J060	15J061	—	—



4NUW9



4LCX3

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## Air Conveyors and Kits

- Pressure range: 20 to 250 psi
  - Temp. rating: 275°F for aluminum; 400°F for stainless steel and hardened steel alloy
- Connect conveyors to common hose or duct to move large volumes of material over long distances with a small amount of compressed air. Kits include mounting bracket, filter separator, pressure regulator, and filter/regulator mounting hardware. Pressure regulator makes it easy to control the material flow rate. Ideal for bulk material and scrap.

**Hardened Steel Alloy**—Heavy-duty conveyors can move more material over longer lengths. Hardened steel alloy won't wear prematurely and can withstand abrasive material applications.



4LCN9

Hose Size	Air Consumption*	Vacuum	Air Inlet	ALUMINUM		STAINLESS STEEL		Hose Size	Air Consumption*	Vacuum	Air Inlet	HARDENED STEEL ALLOY	
				Vacuum Conveyor Item No.	Vacuum Conveyor Kit Item No.	Vacuum Conveyor Item No.	Vacuum Conveyor Kit Item No.					Vacuum Conveyor Item No.	Vacuum Conveyor Kit Item No.
3/4"	10.7 scfm	-72 in wc	1/4" NPT	4LCN1	4LCN2	4LCP2	4LCP3	3/4"	26 scfm	-144 in wc	1/4" NPT	6KHL2	6KHL3
1"	14.7 scfm	-42 in wc	1/4" NPT	4LCN3	4LCN4	4LCP4	4LCP5	1"	35 scfm	-105 in wc	1/4" NPT	6KHL4	6KHL5
1 1/4"	25.9 scfm	-42 in wc	1/4" NPT	4LCN5	4LCN6	4LCP6	4LCP7	1 1/4"	49 scfm	-83 in wc	1/4" NPT	6KHL6	6KHL7
1 1/2"	33 scfm	-36.8 in wc	3/8" NPT	4LCN7	4LCN8	4LCP8	4LCP9	1 1/2"	55 scfm	-60 in wc	3/8" NPT	6KHL8	6KHL9
2"	45 scfm	-28.5 in wc	3/8" NPT	4LCN9	4LCP1	4LCR1	4LCR2	2"	75 scfm	-42 in wc	3/8" NPT	6KHN0	6KHN1

\* Calculated at 80 psi.

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## Vortex Tube Enclosure Coolers

- Pressure range: 80 to 120 psi
- Temp. rating: 125°F

Convert compressed air into cold air to keep enclosure from overheating. Units include thermostat, solenoid valve, filter, and cold air distribution kit. Side-mount kits are for use where space is limited on the top or sides of enclosure.

CFM @ 100 psi	BtuH @ 100 psi	Max. dBA	ALUMINUM NEMA 4		Max. dBA	Air Inlet	Item No.	STAINLESS STEEL NEMA 4X		Max. dBA	Air Inlet	Item No.	ALUMINUM, STAINLESS STEEL KIT NEMA 12		Max. dBA	Air Inlet	Item No.
			dBA	Item No.				dBA	Item No.				dBA	Item No.			
8 cfm	550 BtuH	67 dBA	1/4 in (F)NPT	4LCK8	67 dBA	1/4 in (F)NPT	4LCK9	67 dBA	1/4 in (F)NPT	67 dBA	1/4 in (M)NPT	4LCK7	67 dBA	1/4 in (M)NPT	4LCK7	67 dBA	1/4 in (M)NPT
15 cfm	1,000 BtuH	73 dBA	1/4 in (F)NPT	4LCL2	73 dBA	1/4 in (F)NPT	4LCL3	73 dBA	1/4 in (F)NPT	73 dBA	1/4 in (M)NPT	4LCL1	73 dBA	1/4 in (M)NPT	4LCL1	73 dBA	1/4 in (M)NPT
30 cfm	2,000 BtuH	80 dBA	1/4 in (F)NPT	4LCL5	80 dBA	1/4 in (F)NPT	4LCL6	80 dBA	1/4 in (F)NPT	80 dBA	1/4 in (M)NPT	4LCL4	80 dBA	1/4 in (M)NPT	4LCL4	80 dBA	1/4 in (M)NPT
35 cfm	2,500 BtuH	82 dBA	1/4 in (F)NPT	4LCL8	82 dBA	1/4 in (F)NPT	4LCL9	82 dBA	1/4 in (F)NPT	82 dBA	1/4 in (M)NPT	4LCL7	82 dBA	1/4 in (M)NPT	4LCL7	82 dBA	1/4 in (M)NPT

For Use With Grainger Item Number	Item No.
Side-Mount Lug Kits	
4LCK7	20CL88
4LCL1, 4LCL4, 4LCL7	20CL89
4LCK8, 4LCK9	20CL90
4LCL2, 4LCL3, 4LCL5, 4LCL6, 4LCL8, 4LCL9	20CL91



4LCL7

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## Cold Air Guns

- Inlet connection: 1/4" (M)NPT, except Mini Cold Guns are 1/8" (M)NPT
  - Pressure range: 80 to 120 psi
  - Temp. drop: 50°F at 100 psi
  - Aluminum/stainless steel body material
- Improve dry machining and prolong tool life. Systems include cone and fan nozzles. Mini Cold guns produce at 550 BtuH, Cold guns at 1000 BtuH, and High-Power guns at 2000 BtuH.



4LCJ3

Description	Air Consumption*	Max. dBA*	SINGLE HOSE Item No.	DUAL HOSE Item No.
Mini Cold Gun	8 scfm	76 dBA	38W847	38W848
Cold Gun	15 scfm	70 dBA	4LCJ1	4LCJ2
High-Power Cold Gun	30 scfm	82 dBA	4LCJ3	4LCJ4

\* Calculated at 80 psi.

## Vortex Tubes

- Pressure range: 80 to 120 psi
- 303 stainless steel

Cool compressed air supply to -50°F. Cooling kits include muffler, hose, and generators.



4LCK6

cfm @ 100 psi	Differential Range	BtuH @ 100 psi	Air Inlet	Item No.
<b>Vortex Tubes</b>				
8 cfm	28° to 129°F	550 BtuH	1/8 in (M)NPT	4LCK2
15 cfm	28° to 129°F	1,000 BtuH	1/4 in (M)NPT	4LCK3
25 cfm	28° to 129°F	1,700 BtuH	1/4 in (M)NPT	4LCK4
30 cfm	28° to 129°F	2,000 BtuH	1/4 in (M)NPT	4LCK5
40 cfm	28° to 129°F	2,800 BtuH	1/4 in (M)NPT	4LCK6
<b>Vortex Tube Cooling Kits</b>				
2 to 8	28° to 129°F	135 to 550	1/8 in (M)NPT	4LCK1
10 to 40	28° to 129°F	650 to 2800	1/4 in (M)NPT	4LCJ9