Scan. Order. Done. Details on page A1.

by Gardner Denver



**DUOSEAL®** 

## **Commercial and Industrial Refrigeration Service Pumps**



Designed for removing air and moisture from industrial and commercial chillers. Vacuum pumps are rated for lowmicron Hg vacuum, continuous duty. Pumps include a gas ballast valve that inhibits condensation reducing corrosion, On/Off switch, 3-wire cord, and oil.

DuoSeal® Belt-Drive-All-metal internal construction and low pump rpm provide long service life. Large oil reservoirs dilute contaminants. Come complete with base, belt, belt guard, and motor. 5Z025 also includes carrying handles

Application	Tonnage	ltem No.	Pump Capabilities
Application			
Lithium Bromide	100 to 500 500 to 1000	5Z025 5Z025, 6D731	Handles harsh salt-laden water vapor. Withstands accidental ingestion of salt solution.
Absorption Chiller	1000 to 1500	6D731, 6D733	Recirculates clean fraction of vacuum pump oil.
Cold Storage	10 to 50 50 to 500	5Z025 5Z025, 6D731 6D733	Handles long pumpdown time effectively. Handles high water vapor loads.
	500 to 1000	00733	Draws a very deep vacuum.
HCFC, CFC or Ammonia Chiller	10 to 50 50 to 500 500 to 1000	5Z025 5Z025, 6D731 6D733	Seals and gaskets won't break down in the presence of R-11, R-12, R-13, R-22, R-113, R-123, R-114, R-502, R-503 or ammonia. Handles high water vapor loads. Draws a very deep vacuum.

			Ultimate Pressure	Intake Male		Amns		Overal	I	Mfr.	Item
	HP D	isplacement		SAE Flare	Voltage	Amps AC	L	W	н	Model	No.
	Duose	eal® Belt-Dri	ve								
1	½ hp	5.6 cfm	1 x 10-4	3/4	115/230V AC	8.4/4.2	20 in	12 in	15 in	1402B-46	5Z025
,	1 hn	10.6 cfm	1 x 10-4	3/4	115/230V AC	11/5.5	20 in	14.12 in	15.37 ir	1376B-46	6D731
	1 hp –	17.7 cfm	1 x 10-4	11/2 (F)NPT	115/230V AC	13.4/6/7	26 in	13.75 in	18.75 ir	1397B-46	6D733
				. ,							



Air gun is for manual operations: air cannon is mountable for stationary applications.

Power Supplies-Include metal case and feature lighted power switch.

Item

- = 50/60 Hz
- = 5mA max.
- Mounting: flange

48RD61 No. of Input Item

Air Consumption\* Static Eliminating Air Gun 24 scfm utlets Voltage Supply for Static Eliminating Nn Outlets No. Air Guns 48RD62 48RD63

24 SCHIL Static Eliminating Air Cannon 19.7 sofm 48RD61

\* Calculated at 80 psi.



Produce outlet flows 25 times greater than the air they consume.

> Item No.

Blowoff Kit Includes Air Nozzle, Ball Valve 2001 72

Description

Magnetic Bas	e, Stay	Set Hose	20	UL/Z		
Air Consumption*	Max. dBA*	Inlet Size	L	ZINC/ ALUMINUM Item No.	STAINLESS STEEL Item No.	PEEK THERMOPLASTIC Item No.
Clusters						
56 scfm	82	3/8 in FNPT	2 %16 in	36JP41	—	-
98 scfm	85	1/2 in FNPT	2 ¾ in	36JP42	—	-
168 scfm	89	1 in FNPT	2 <sup>15</sup> /16 in	36JP43	—	—
Flat, Safety						
10.5 scfm	75	1/8 in FNPT	1 5⁄16 in	20CL70	20CL71	-
22 scfm	77	1/4 in FNPT	2 1/16 in	4LCT3	—	-
	77	1/4 in FNPT	2 3/50 in	_	4LCT4	-
High Power Sa	ifety					
35 scfm	82	3/8 in FNPT	1 5⁄8 in	4LCT5	4LCT6	20CL69
33 20111	82	3% in MNPT	2 ¼ in	4LCT7	4LCT8	—
60 scfm	87	1/2 in FNPT	2 in	4LCT9	4LCU1	-
00 50111	87	1/2 in MNPT	2 ¾ in	4LCU2	4LCU3	—
Safety						
2.5 scfm	58	M4 x ½ in	1⁄2 in	—	15J053	38W842
2.0 30111	58	1/8 in MNPT	7∕≋ in	—	15J054	38W843
4.9 scfm	68	M5 x ½ in	⁵⁄≋ in	—	15J055	38W844
4.3 30111	68	1/8 in MNPT	1 in	—	15J056	38W845
8.3 scfm	75	M6 x ¾ in	7/9 in	—	15J057	15J059
0.3 50111	75	1/8 in MNPT	1 1/16 in	—	15J058	38W846
10 scfm	71	1/8 in FNPT	1 ⅓ in	4LCR4	4LCR5	6JJN6
10 36111	71 1/s in MNPT 1 2/3 in 4LCR6		4LCR7	_		
13 scfm	80	1/8 in MNPT	1 ⅓ in	—	4LCR3	_
14 scfm	74	1/4 in FNPT	1 ¾ in	4LCR8	4LCR9	6JJN5
14 30111	74	1/4 in MNPT	2 ¾ in	4LCT1	4LCT2	-



# Air Knives and Air Knife Kits

- Inlet connection: 1/4" (F)NPT
- Max. dBA: 69 at 80 psi
- Working pressure: 80 to 250 psi
- Air slot gap: 0.002"

Kits include filter, pressure regulator, filter/regulator mounting hardware, and shim kit.

#### ALUMINUM AIR KNIVES

- Max. temp.: 180°F
- 1.75"D x 1.44"H x 3" to 54"W

Quiet, hard-hitting curtain of air can be used for blowoff, cleaning, drying, and cooling applications.

#### **STAINLESS STEEL AIR KNIVES AND KITS**

- Max. temp.: 800°F
- 1.44"D

### SUPER AIR KNIFE SHIM KITS

Aluminum—Include 1 each of 0.001", 0.003", and 0.004" polyester shims.

Stainless Steel—Include three 0.002" stainless steel shims

otunitos	3 01001	ioiuuo	11100 0.00			10.	
					ALUMINUM		STAINLESS
				ALUMINUM	AIR KNIFE	STAINLESS	STEEL
			ALUMINUM	AIR	- STATIC	STEEL	AIR
	Air		AIR KNIFE	KNIFE KIT	ELIMINATORS	AIR KNIFE	KNIFE KIT
Air Slot	Consumption	No. of	Item	Item	Item	Item	Item
Width (in.)	(SCFM)*	Inlets	No.	No.	No.	No.	No.
3 in	8.7 scfm	4	4LCA8	4LCA9	—	4LCC1	4LCC2
6 in	17.4 scfm	4	4LCC3	4LCC4	361L34	4LCC5	4LCC6
9 in	26.1 scfm	4	4LCC7	4LCC8	—	4LCC9	4LCD1
12 in	34.8 scfm	4	4LCD2	4LCD3	361L35	4LCD4	4LCD5
18 in	52.2 scfm	4	4LCD6	4LCD7	361L36	4LCD8	4LCD9
24 in	69.6 scfm	4	4LCE1	4LCE2	361L37	4LCE3	4LCE4
30 in	87 scfm	4	4LCE5	4LCE6	361L38	4LCE7	4LCE8
36 in	104.4 scfm	4	4LCF8	4LCF9	361L39	4LCG1	4LCG2
42 in	121.8 scfm	4	4LCE9	4LCF1	361L40	4LCF2	4LCF3
48 in	139.2 scfm	5	4LCF4	4LCF5	361L41	4LCF6	4LCF7
54 in	156 scfm	5	6JJL5	6JJL6	361L42	6JJL8	6JJL9

\* Calculated at 80 psi.

For Use With	ltem No.	For Use With	ltem No.	For Use With	ltem No.	For Use With	ltem No.	
		nife Shim Kits		Stainless Steel Super Air Knife Shim Kits				
4LCA8	4LCU4	4LCE5	4LCV7	4LCC1	4LCÚ5	4LCE7	4LCV8	
4LCC3	4LCU6	4LCE9	4LCW2	4LCC5	4LCU7	4LCF2	4LCW3	
4LCC7	4LCU8	4LCF4	4LCW4	4LCC9	4LCU9	4LCF6	4LCW5	
4LCD2	4LCV1	4LCF8	4LCV9	4LCD4	4LCV2	4LCG1	4LCW1	
4LCD6	4LCV3	6JJL5	6JJL7	4LCD8	4LCV4	6JJL8	6JJN0	
4LCE1	4LCV5			4LCE3	4LCV6			
							Item	

For Use With Air Knife Mounting System 6 to 48 In Air Knives No 4LCW6



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\* Calculated at 80 psi.