



**ITEM # 1830**



## 1830/1832 SERIES VENTILATOR PORTS

- Improved to increase air flow for easier opening and closing.
- Protects from structural damage because of temperature/pressure build up.
- Compensates for air expansion and contraction.
- Heated models available for freezer applications.

### SPECIFICATIONS

#### MATERIAL:

Body - All metal parts are aluminum  
Internal Sleeve - self-extinguishing Lexan

#### UL LISTING:

File No. E57306

#### DIAMETER:

See table

#### LENGTH:

Standard for 4" (101.6mm) wall thickness; other lengths available. Specify exact wall thickness; we will convert to our part number

#### MOUNTING:

1830: May be mounted through wall or ceiling  
1832: Wall mount only. Drilled for No. 8 (4.0mm) screws

#### ELECTRICAL REQUIREMENTS:

See ordering information

## 1830 HEATED VENT

5-3/32" (129.4mm) diameter round aluminum cover plate.

## 1834 NON-HEATED VENT

Same as 1830, except without heating element.

#### PACKAGING:

10 per carton.

#### WEIGHT:

14 lb. (6.4 kg) per carton.

Model No.	Item
11830000004	Heated Vent, 23W, .2 amp @ 120 VAC
11830000008	Heated Vent, 23W, .1 amp @ 240 VAC
11834000004	Non-heated Vent
91830U04074800	Ins. Sleeve 3-1/2 OD x 48" Long

All 1830/1832 Series standard ventilators are for a 4" (101.6mm) thick wall. When other length is required, specify exact wall thickness. Kason will convert your individual requirement into our part number.



**ITEM # 1832**



## 1832 HI-FLOW HEATED VENT

- 6-1/4" (165.1mm) diameter round aluminum cover plate or square stainless steel or aluminum cover plate.

## 1836 HI-FLOW NON-HEATED VENT

- Same as 1832, except without heating element.

### SPECIFICATIONS

#### PACKAGING:

10 per carton

#### WEIGHT:

13 lb. (5.9kg) per carton

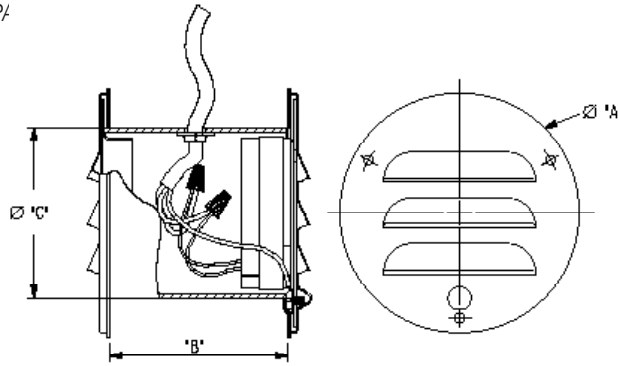
Model No.	Item
11832000004	Heated Vent, 23W, .2 amp @ 120 VAC
11832000008	Heated Vent, 23W, .1 amp @ 240 VAC
11832SA0004	Heated Vent withSq. Aluminum Louver, 120 VAC
11832SS0004	Heated Vent withSq. Stainless Steel Louver, 120 VAC
11832SA0001	Square Aluminum Louver
11832SS0001	Square Stainless Steel Louver
11836000004	Non-heated Vent
11836SA0001	Non-heated withSq. Aluminum Louver
11836SS0001	Non-heated withSq. Stainless Steel Louver
91832U04074800	Ins. Sleeve 4-41/64 OD x 48" Long



Square aluminum or stainless steel louvered cover plate, complete with gasket, available for models 1832 and 1836.

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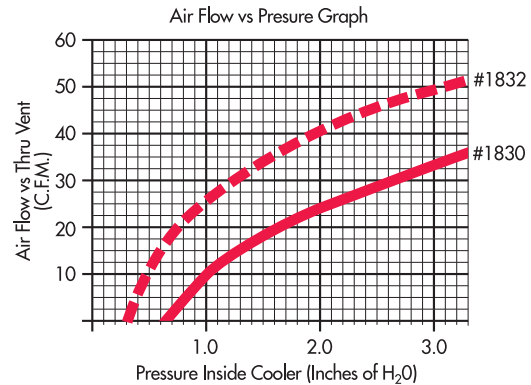


## 1830/1832 SERIES VENTILATOR PORTS

Comprehensive performance testing has shown that Kason 1830 Series ventilators have better air flow and frost resistance than competitively sized units.

	A	B*	C
<b>1830</b>	5-3/32" (129.4 mm)	4" (101.6 mm)	3-1/2" (88.9 mm)
<b>1834</b>	5-3/32" (129.4 mm)	4" (101.6 mm)	3-1/2" (88.9 mm)
<b>1832</b>	6-1/4" (165.1 mm)	4" (101.6 mm)	4-5/8" (117.5 mm)
<b>1836</b>	6-1/4" (165.1 mm)	4" (101.6 mm)	4-5/8" (117.5 mm)

\*Other lengths available. Please specify.



## 1825, 1830 & 1832 VENTILATOR QUANTITY SELECTOR

Volume of Cooler or Freezer		Quantity of Ventilators Required (See Notes)					
		Cooler (2) +10oF (-12.2oC) to +40oF (4.4oC)			Freezer (2) -20oF (-28.9oC) to +10oF (-12.2oC) (6)		
Ft3	(m3)	1825	1830	1832 (5)	1825	1830	1832 (4)
2,000	(57)	1	1	1	1	1	1
3,000	(85)	1	1	1	1	2	1
4,000	(113)	1	1	1	2	3	1
6,000	(170)	1	2	1	3	4	2
8,000	(226)	2	2	1	3 (5)	See Note 4	2
12,000	(340)	2	3	1	4 (5)		3
16,000	(453)	3	4	2	4 (5)		4
20,000	(566)	Use 1832		2	See Note 5		
24,000	(679)			2			

### NOTES:

(1) The table above should be used as a general guideline only. Kason does not guarantee these numbers, as many factors beyond those assumed can affect the amount of ventilation required in a refrigerated space. Some of these factors include, but are not limited to: the number of doors in the enclosure, air-tightness of the enclosure, refrigeration load (how quickly the temperature drops), strength of panel construction, etc.

(2) Air flow requirement is based on the following assumed temperature change rates: Freezer 30oF (16.8oC) Change / 20 min (1.5o F/min), Cooler 10oF (5.6oC) Change / 20 min (0.5o F/min).

(3) Vent quantities are calculated based on actual measured flow rates at an assumed allowable pressure differential for given temperature change rate: 1825 = 13 ft3/min @ .6inH2O pressure, 1830 = 5 ft3/min @ .8inH2O pressure, 1832 = 14 ft3/min @ .6inH2O pressure.

(4) For box temperature less than -20F and/or when humid conditions exist outside box, add one 1830 for each 2000 cf above 6000 - or - use 1832DBL

(5) Model 1832DBL is recommended over the 1832 for box temperatures between -20F and -40F. Use model 1845 for boxes this size and larger if box temperature is -20F or greater. Use 1832 or 1832LT in place of 1825 for larger freezers.

(6) Minimum use temperatures: 1825 -20F, 1830 -30F, 1832 -20F, 1832DBL -40F.

(7) Opening pressures: 1825 opens at the lowest pressure (0.1 inch H<sub>2</sub>O), 1832 at 0.3 inch H<sub>2</sub>O, and 1830 opens at the highest pressure (0.7 inch H<sub>2</sub>O).