

# AIR CANNONS SOLVES MATERIAL MOVING PROBLEMS

- Advanced Valve Technology
- No Backlash
- Quiet Operation
- Clog-Free Valve
- Maintenance Free
- Safe External Servicing!
- ASME Coded Vessel



Ask for  
Catalog 9131  
Air Cannons



## AIR CANNON SIZE COMPARISON FROM 52.5" TO 5.5"



### Dimensions

MODEL NO.	DESCRIPTION	HEIGHT		DIAMETER		VOLUME	
		inch	mm	inch	mm	ft. <sup>3</sup>	Liters
ABS-1-5MB	VIBCO's Mini B - Smallest industrial Blaster in the world	5-9/16	141	6	152	0.20	0.57
ABS-1-1/2	Compact, narrow design for use in tight areas.	26-7/8	683	5-13/32	137	.11	3.1
ABS-2EV	<ul style="list-style-type: none"> <li>• Works well for wood, steel and concrete bins</li> <li>• Same day or next day shipping</li> <li>• All cannons 100% manufactured in the USA</li> <li>• Operates on plant air from 40 to 120 psi</li> <li>• Air Cannons have been made with pride since the '70s</li> <li>• Can be used singly or in multiples</li> <li>• Cast Iron construction for durability</li> </ul>	15	381	10	254	0.60	17.0
ABS-2-2EV		24	610	12	305	1.36	39.0
ABS-4-2EV		32	813	12	305	1.36	39.0
ABS-4-4EV		36	914	16	406	3.54	100.0
ABS-4-5EV		48	1,219	16	406	4.35	123.0
ABS-4-10EV		52-1/2	1,334	24	610	9.33	264.0

NOTE: Material, Dimensions & Data subject to change without notice • Dimensions ±1/16"

# ABS SERIES

## WITH PATENTED DOUBLE PISTON VALVE

There are 2 methods for selecting the proper VIBCO Air Cannon. The first method is to consider the bin size and the second is required when you have heavy or coarse materials or odd shaped bins.

### METHOD 1

As a general rule, if the diameter of the bin is:

- **2 to 6 feet diameter or side**, use **ABS-1-1/2**
- **6 to 10 feet diameter**, use **ABS-2EV** or **ABS-2-2EV**
- **10 to 15 feet** use **ABS 4-2EV**, one for every 13-15 feet of circumference or perimeter.
- **16 to 20 feet** use **ABS-4-4EV** or **ABS 4-5EV**, one for every 20-25 feet of circumference or perimeter.
- **21 to 26 feet** use **ABS 4-10EV**, one for every 25-30 feet of circumference or perimeter.

### METHOD 2

This method is used for tough materials and odd shaped bins. First, determine the area to be blasted (material hang-up area). Second, are you using Material Type A or Material Type B?

MATERIAL TYPE A	MATERIAL TYPE B
Large chunks, high moisture content; clings to walls; will set up or harden when stored; weight in excess of 65-70 lbs. per cu. ft., or slope angles less than 30° with small discharge openings.	Dry, powdery, stringy or spongy, with material weight less than 60 lbs. per cu. ft., slope angles more than 45° and large discharge openings.

Find the blast area you need below using the proper column for your material type (Material A or Material B). Now lay out area of influence in the region to be blasted. Make the area of influence overlap in critical areas.

### Technical Data

MODEL NO.	FREE AIR 80 PSI per Ft. <sup>3</sup> (L)	TEMP. RANGE °F (°C)		DISCHARGE SIZE NPT	MATERIAL A BLAST SPAN L' x D' (mm x mm)	MATERIAL B BLAST SPAN L' X D' (MM X MM)	MOUNTING KIT
		Standard	High Temp.				
ABS-1-5MB	0.1 (2.8)	200°F (93°C)	340°F (170°C)	1-1/4 NPT	2' x 1' (610 x 305)	2' x 2' (610 x 610)	MBM-1
ABS-1-1/2	.6 (17)	200°F (93°C)	340°F (170°C)	1-1/4 NPT	3' x 1' (915 x 305)	4' x 2' (1,220 x 610)	MBM-1-1/2ABS
ABS-2EV	3.3 (92)	200°F (93°C)	340°F (170°C)	2 NPT	4' x 2' (1,220 x 610)	7' x 3' (2,135 x 915)	MK2ABSEV
ABS-2-2EV	7.4 (210)	200°F (93°C)	340°F (170°C)	2 NPT	5' x 3' (1,525 x 915)	8' x 4' (2,440 x 1,220)	MK2ABS-2EV
ABS-4-2EV	7.4 (210)	200°F (93°C)	340°F (170°C)	4 NPT	6' x 4' (1,830 x 1,220)	9' x 5' (2,745 x 1,525)	MK4ABS-2EVM
ABS-4-4EV	19.2 (544)	200°F (93°C)	340°F (170°C)	4 NPT	7' x 4' (2,155 x 1,220)	10' x 5' (3,050 x 1,525)	MK4ABS-5EV
ABS-4-5EV	23.7 (670)	200°F (93°C)	340°F (170°C)	4 NPT	7' x 5' (2,135 x 1,525)	10' x 6' (3,050 x 1,830)	MK4ABS-5EV
ABS-4-10EV	50.8 (1438)	200°F (93°C)	340°F (170°C)	4 NPT	8' x 6' (2,440 x 1,830)	12' x 7' (3,660 x 2,135)	MK4ABS-10EV



AIR CANNON