

# Improves Product Flow in Bins and Silos

BinMaster air pads are a cost-effective solution to many material flow problems. These air pads are ideal for a variety of finely ground dry materials – such as flour or cement – or any material that tends to pack while in storage and then cling to the walls of the bin. When BinMaster air pads are installed, low pressure air is directed along the bin walls to ensure a continuous and even flow of material out of the bin.

## A Proven Cost-Effective Material Flow Solution

Multiple air pads are installed intermittently on the bin wall to help prevent packing of material along the sides of the bin and provide uniform material flow. At just 7-1/2" long and 3-3/4" wide, the compact air pads can be adapted to any bin configuration. The non-clogging design is very easy to install with external mounting kits available. Economically priced, they are offered with either galvanized steel or stainless steel diffuser screens, making them ideal for a wide variety of applications.



### Air Pads Offer These Features:

- Positive uniform material flow
- Stainless or galvanized steel mesh
- Low initial cost
- Adapts to any bin configuration
- Internal or external mounting options

## Air Pads

**BINMASTER**<sup>®</sup>

[www.binmaster.com](http://www.binmaster.com)



# Air Pads

## QUANTITY PER BIN

This chart will help determine the proper quantity needed for a particular installation. Twelve-inch mounting centers are recommended.

### Maximum Length of Sloped Wall

(ft)	(cm)	Units Required Per Row
2.5	76	2
3.5	107	3
4.5	137	4
5.5	167	5
6.5	198	6
7.5	229	7
8.5	259	8
9.5	290	9
10.5	320	10

## AIR SUPPLY

The most efficient source is a positive displacement low-pressure blower. The following chart shows the air volume requirements at various pressure levels.

Pressure (psi)	Volume (cfm)
1/2	2.7
1	4.2
1-1/2	5.0
2	5.7
2-1/2	6.1
3	6.5
3-1/2	6.9
4	7.1
4-1/2	7.4
5	7.6

## How to Order

Model Number	Body	Diffuser Cloth	Diffuser Screen
AP 730-0113	Zinc-Plated Steel	Cotton	Galvanized Steel 16 Mesh
AP-SS 730-0114	Stainless Steel		Stainless Steel 16 Mesh
AP-F 730-0115	Zinc-Plated Steel	Fiberglass	Galvanized Steel 16 Mesh
AP-F-SS 730-0116	Stainless Steel		Stainless Steel 16 Mesh

Mounting kit (#730-0117) also available.

## DIMENSIONS:

An air pad has the following dimensions:

**Length:** 7 1/2" (190.5 mm)

**Width:** 3 3/4" (95.2 mm)

**Height of pad:** 1/2" (12.7 mm)

**Length of stem:** 2" (50.80 mm)

## SUPPLY PIPING

In order to supply enough air to properly operate air pads, these various types of piping are suggested:

Pipe Size ft (mm)	Number of Air Pads
3/4" (19 mm)	1-5
1" (25.4 mm)	6-9
1-1/4" (32 mm)	10-12

## SPECIFICATIONS:

**Body:** Zinc-Plated Steel or Stainless Steel

### Diffuser Cloth:

Up to 180°F - Cotton Canvas

Up to 600°F - Fiberglass

### Diffuser Screen: 16 Mesh

(Galvanized Steel or Stainless Steel Type 316)

**Gasket:** Neoprene

**Spacer Washers:** Nickel-Plated Steel

**Tank Stem/Locknut:** 1/8" (3 mm) Brass

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