

# BULK SOLIDS HANDLING EQUIPMENT

## FLOW AIDS

### 破拱装置

#### 43系列助流气碗 43 Series Vibrating Bin Aerators

43和44系列振动式助流气碗(流化器)用于改善散装物料的流动情况  
43 and 44 vibratory bowl for help gas flow to improve the bulk material



## VB 4

### 性能-特性

- 工作压力: 0.5 ~ 4bar (7 ~ 58PSI)
- 工作温度: -40 ~ +230°C
- 适应于水泥,石灰,面粉和所有粉末
- 食品级 (FDA)
- 相比其它流化器效率提高70%-130%

### 选项&附件

- 带有不锈钢轴&铝轴
- 外部安装套件

### Performance & Technical Features - Benefits

- Sturdy design Self-cleaning Abrasion-resistant Easy to install
- Air pressure 2 to 4 bar (29 to 58 PSI)
- Working temperature 43-44 -40° C to 230° C (-40° F to 450° F)
- For powders and granular products Food-grade (FDA-approved)

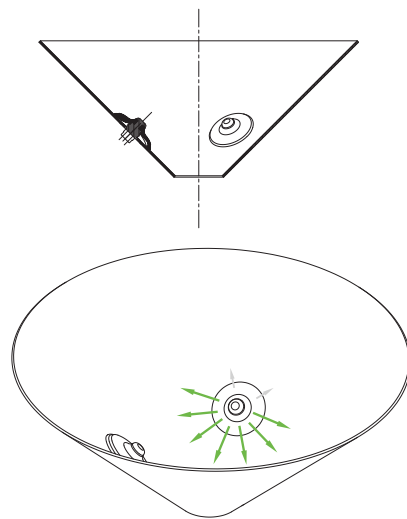
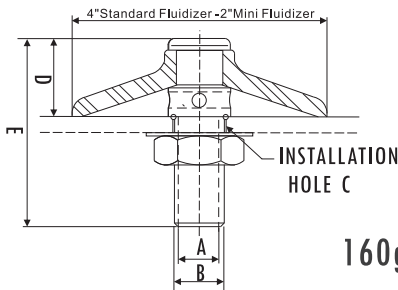
### Options & Accessories

- With stainless steel shaft
- For external assembly
- Miniature execution



### 型号含义 How To Order

Vb4	3	02
型号 Type	连接螺纹 Thread	阀杆材质 Shaft
VB 4	3 = 1/2 4 = 3/4	02/03: 铝合金轴 04/05: 不锈钢轴 02/03: Aluminium 04/05: Stainless steel



Part # 型号	Stem Material 导杆材质	Disk Color 盘颜色	Disk Material 盘材料	A	B	C	D	E	Airline Options 空气管路选择
VB 4302	Aluminum 铝	蓝色 Blue	Silicone 硅树脂	1/4" NPT	1/2" NPT	7/8" (22mm)	1-3/16" (30mm)	3" (76mm)	3/8" 1/2" (10-12mm) Tubing 管道
VB 4303		白色 White							
VB 4304	Stainless Steel 不锈钢	蓝色 Blue							
VB 4305		白色 White							
VB 4402	Aluminum 铝	蓝色 Blue	Silicone 硅树脂	1/2" NPT	3/4" NPT	1-1/16" (27mm)	1-1/4" (32mm)	3 1/16" (78mm)	1/2" 3/4" (13-19mm) Tubing or Hose 管道或软管
VB 4403		白色 White							
VB 4404	Stainless Steel 不锈钢	蓝色 Blue							
VB 4405		白色 White							

破拱器的工作方式推荐采用间歇式运行,例如采用开启2-3秒,停止7-10秒,不同压力 and 不同工  
The work broken arch recommended intermittent operation, such as using open 2-3 seconds, stop for 10-15 seconds, different pressures  
作间歇下的破拱器将会产生截然不同的助流效果.  
and under different working intermittently broken arch device will produce different effects of aid flows.

Series 系列	Air consumption-Luftverbrauch 空气最大消耗							MAX.
	0.5bar(7.2psi)	1bar(14.5psi)	1.5bar(21.7psi)	2bar(29psi)	3bar(43psi)	3.5bar(50.7psi)	4bar(58psi)	
	m³/h	m³/h	m³/h	m³/h	m³/h	m³/h	m³/h	
4400	23	46	70					
4300		15	22.5	30	45	52.5	60	

Dimensions in mm

# BULK SOLIDS HANDLING EQUIPMENT

## FLUIDIZER CONTROL SYSTEM

### FLUIDIZER CONTROL SYSTEM

Share in our knowledge of dry bulk discharge techniques by installing a Controller to program the operation of your aeration system. through the easy solid state controller provides more effective movement of powders while alternating aerators can assist in more complete discharge.



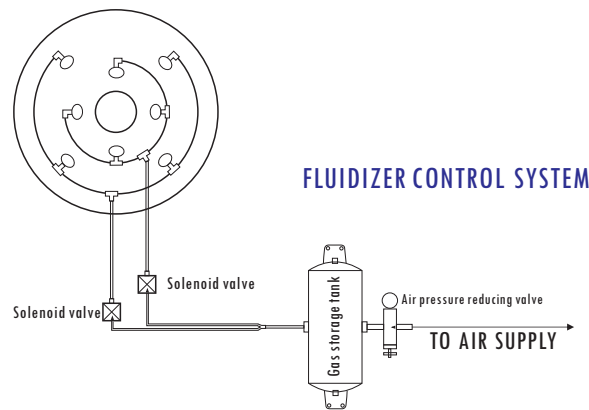
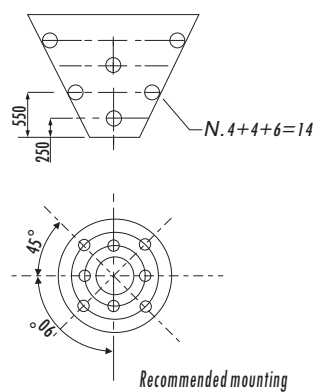
**MX**

#### Performance & Technical Features - Benefits

- Pulsate Aerators for optimum discharge
- Alternate Aerator operation for highest performance
- Controls up to 16 Aerators



Type	Output voltage	Output signal quantity	Number of fluidizers
MX	220=220VAC 024=24VDC	1 = 1 Way 2 = 2 Way 3 = 3 Way 4 = 4 Way	01-16



Effective placement of aerators depends on material type and volume requirements.

#### Maximize Your Air

Only operate the Fluidizers while discharging material from the silo. To ensure balanced air distribution it is recommended to use an air manifold or operate no more than four Fluidizers together as shown.

#### FLUIDIZER CONTROL SYSTEM PACKAGES INCLUDE:

- Timer Control Boards with Enclosure\*
- Air Surge Tanks
- Solenoids
- Air Regulators
- Tubing
- Fittings
- Installation and Operating Instructions

\*All enclosures are NEMA 4 unless otherwise requested.

Dimensions in mm