



*Since 1985*

# Silo Fluidizer

## ***Keep Dry Bulk Materials Moving***

Solimar Pneumatics offer a family of Silo Fluidizers that promote the discharge of dry products from storage silos, dust collectors, weigh bins and IBC's. Solimar Fluidizers enable a uniform flow of most dry bulk materials through aeration and hopper wall vibration that helps **prevent bridging, rat holing and compacting.**



Patented Fluidizer used with over 120 different material types in 70 countries around the world.

## **The Original & Best Disk Fluidizer**

**Aeration** loosens up the product allowing it to flow easier. Minimum back pressure puts air energy where it is need the most – in the silo.

**Directional Air Flow.** The Fluidizer disk forces air to move along the bin wall freeing up product and assuring good cleanout.

**Gentle Vibration** keeps the product flowing without allowing it to compact or plug.

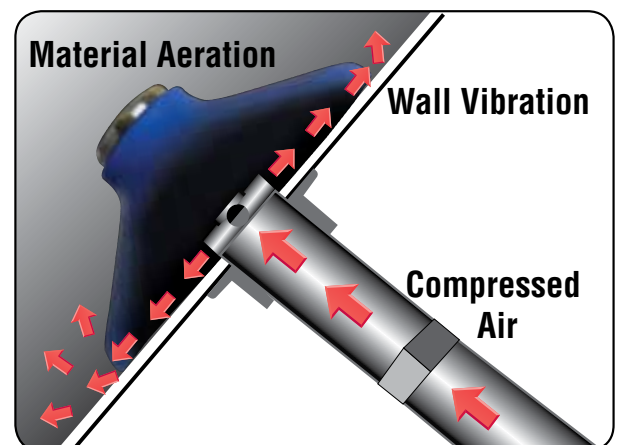
**No Airline Plugging.** Disk seals tightly against the silo wall and prevents airline plugging.

**Robust Design.** will not tear, pick up moisture & is unaffected by temperatures up to 450° F (230° C).

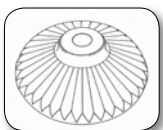
**Install From Outside.** Available **EZ-In (Easy-In)** kits for installation without getting inside the bin or replacing outdated screen pads.



**Material Compatible.** Multiple disk options, including silicone rubber food grade/FDA approved (blue or white), high temperature (orange), Metal Detectable (gray) & EPDM (black or white).



**Hopper cutaway shows Fluidizer in use.**



**Insist on genuine Solimar disks with the trademarked Radial Ridge Design.**

Solimar Pneumatics | Minneapolis, MN 55432 USA | 1.800.233.7109 | P: 763.574.1820

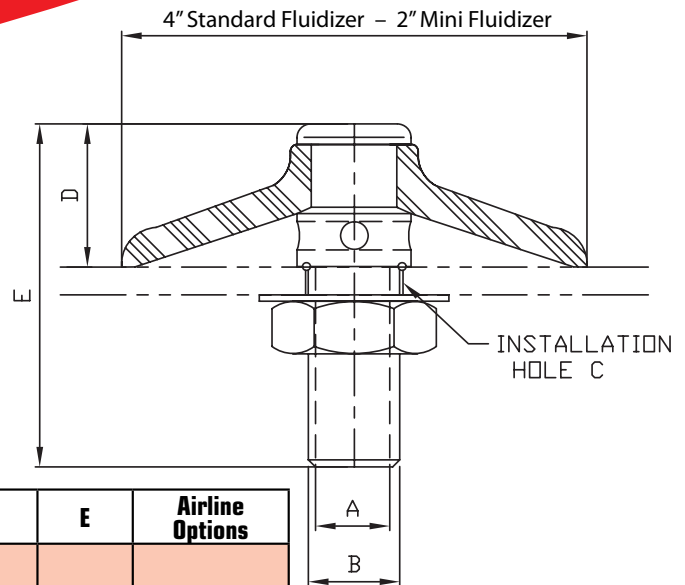
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# Silo Fluidizer Technical Data



| Series | Part # | Stem Material   | Disk Color | Disk Material | A        | B        | C               | D               | E                | Airline Options                     |
|--------|--------|-----------------|------------|---------------|----------|----------|-----------------|-----------------|------------------|-------------------------------------|
| 4300   | 4300   | Steel           | Blue       | Silicone      | 1/4" NPT | 1/2" NPT | 7/8" (22 mm)    | 1-3/16" (30 mm) | 3" (76 mm)       | 3/8"-1/2" (10-12 mm) Tubing         |
|        | 4301   |                 | White      |               |          |          |                 |                 |                  |                                     |
|        | 4302   | Aluminum        | Blue       |               |          |          |                 |                 |                  |                                     |
|        | 4303   |                 | White      |               |          |          |                 |                 |                  |                                     |
|        | 4304   | Stainless Steel | Blue       |               |          |          |                 |                 |                  |                                     |
|        | 4305   |                 | White      |               |          |          |                 |                 |                  |                                     |
| 4400   | 4400   | Steel           | Blue       | Silicone      | 1/2" NPT | 3/4" NPT | 1-1/16" (27 mm) | 1-1/4" (32 mm)  | 3 -1/16" (78 mm) | 1/2"-3/4" (13-19 mm) Tubing or Hose |
|        | 4401   |                 | White      |               |          |          |                 |                 |                  |                                     |
|        | 4402   | Aluminum        | Blue       |               |          |          |                 |                 |                  |                                     |
|        | 4403   |                 | White      |               |          |          |                 |                 |                  |                                     |
|        | 4404   | Stainless Steel | Blue       |               |          |          |                 |                 |                  |                                     |
|        | 4405   |                 | White      |               |          |          |                 |                 |                  |                                     |
| 4500   | 4500   | Steel           | Blue       | Silicone      | 3/4" NPT | 1" NPT   | 1-3/8" (35 mm)  | 1-1/4" (32 mm)  | 3-1/4" (83 mm)   | 3/4"-1" (19-25 mm) Hose             |
|        | 4501   |                 | White      |               |          |          |                 |                 |                  |                                     |
|        | 4502   | Aluminum        | Blue       |               |          |          |                 |                 |                  |                                     |
|        | 4503   |                 | White      |               |          |          |                 |                 |                  |                                     |
|        | 4504   | Stainless Steel | Blue       |               |          |          |                 |                 |                  |                                     |
|        | 4505   |                 | White      |               |          |          |                 |                 |                  |                                     |
| MINI   | 4804   | Stainless Steel | Blue       | Silicone      | 1/8" NPT | NA       | 1/2" (13 mm)    | 9/16" (14 mm)   | 1-1/2" (38 mm)   | 1/4" (6 mm) Tubing                  |
|        | 4805   |                 | White      |               |          |          |                 |                 |                  |                                     |

| Series | AIRFLOW REQUIREMENTS                                                        |
|--------|-----------------------------------------------------------------------------|
| 4300   | Capacity 10 – 20 CFM @ 20 – 30 PSI (15 – 30m <sup>3</sup> /h @ 1-2 bar)     |
| 4400   | Capacity 25 – 40 CFM @ 10 – 20 PSI (40 – 70m <sup>3</sup> /h @ 0.7-1.5 bar) |
| 4500   | Capacity 30 – 50 CFM @ 5 – 10 PSI (50 – 85m <sup>3</sup> /h @ 0.3-0.7 bar)  |
| MINI   | Capacity 2 – 3 CFM @ 20 – 30 PSI (3.5 – 5m <sup>3</sup> /h @ 1-2 bar)       |

**Engineering Assistance.**  
Fax or e-mail a sketch or drawing of your chamber, along with a description of your bulk material and we will provide a recommended number and placement of Fluidizers for your application the next day.

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