



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.

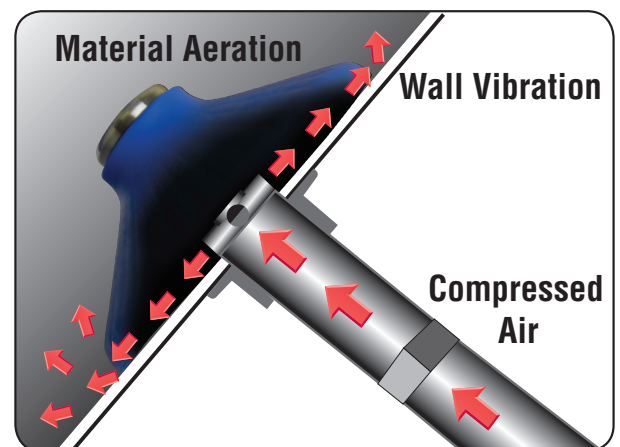
No Airline Plugging. Disk seals tightly against the silo wall and prevents airline plugging.

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

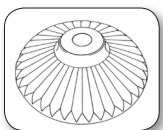
Install From Outside. Available **EZ-In (Easy-In)** kits for installation without getting inside the bin or replacing outdated screen pads.



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.



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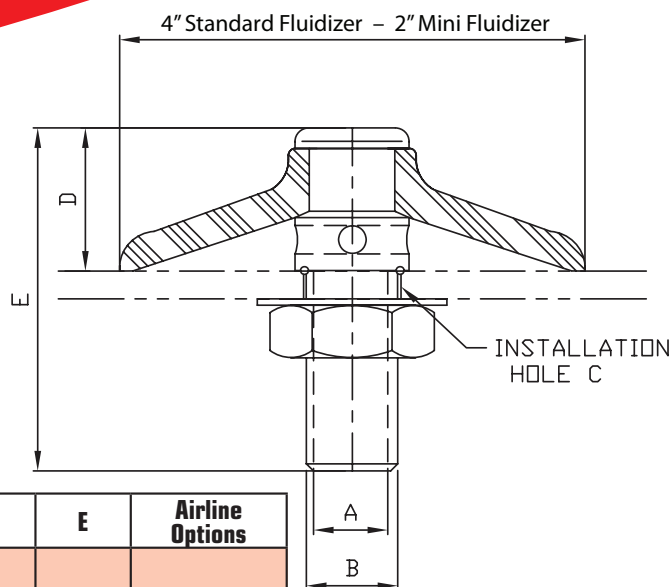
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Silo Fluidizer Technical Data



Mini
Fluidizer

Standard
Fluidizer



| 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 ³ /h @ 1-2 bar) |
| 4400 | Capacity 25 – 40 CFM @ 10 – 20 PSI (40 – 70m ³ /h @ 0.7-1.5 bar) |
| 4500 | Capacity 30 – 50 CFM @ 5 – 10 PSI (50 – 85m ³ /h @ 0.3-0.7 bar) |
| MINI | Capacity 2 – 3 CFM @ 20 – 30 PSI (3.5 – 5m ³ /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.