



JAIN **MEP** ENGINEERING & PROJECTS LLP

AERATION PAD

High Performance | Durable | Reliable

PRODUCT CATALOGUE



HIGH DURABILITY

Made from premium quality material for longer life.



SUPERIOR PERFORMANCE

Ensures efficient air distribution for optimal performance.



EASY INSTALLATION

Simple design for quick and hassle-free installation.

ENGINEERED FOR



Aeration Pad – Technical Presentation



PRODUCT OVERVIEW

Aeration Pads are used to improve the flow of powdered materials stored in silos, vessels, and conical storage areas. They help in fluidizing the material, preventing bridging and ensure smooth discharge.



CONSTRUCTION DETAILS

- **Material:** Silicone rubber pad with SS304 and GI.
- **Design:** 4" diameter disc with compressed air passages.
- **Structure:** Durable and corrosion resistant with precision machining.
- **Function:** Ensures uniform air distribution for effective fluidization.



AIR NOZZLE SPECIFICATIONS

- **Material options:** SS304 / GI
- **Configuration:** One main air hole with four additional quadrant holes for uniform air distribution.

Inner Thread:
1/4" NPT

Outer Thread:
1/2" BSP



INSTALLATION

Mounted externally on silo wall using:

- Plain washer
- Rubber washer
- Check nut



APPLICATION

Designed for silos, vessels, material tanks, and conical-shaped storage, ensuring efficient powder discharge and avoiding rat-holing.

KEY FEATURES

- ✓ Improves flow of powdered materials
- ✓ Prevents bridging and rat-holing
- ✓ Ensures smooth discharge
- ✓ Uniform air distribution
- ✓ Corrosion resistant & durable
- ✓ Easy installation and maintenance
- ✓ Suitable for high temperature applications (up to 300°C)

TECHNICAL SPECIFICATIONS (SUMMARY)

Product Name	Aeration Pad
Type	Silicone Rubber Pad
Diameter	4 inch (100 mm)
Material	Silicone Rubber Pad with SS304 and GI
Air Holes	1 Main + 4 Quadrant Holes
Working Temperature	Up to 300°C

RELATED PRODUCTS

- Rotary Air Lock Valve
- Telescopic Chute
- Bag Filter
- Filter Bag & Cage
- NRV (Non Return Valve)
- Expansion Bellows
- Slide Gate Valve