

MATCON[®]

POWDERS, HANDLED.

SILO/HOPPER DISCHARGER VALVES

COMPLETE MATERIAL CONTROL.

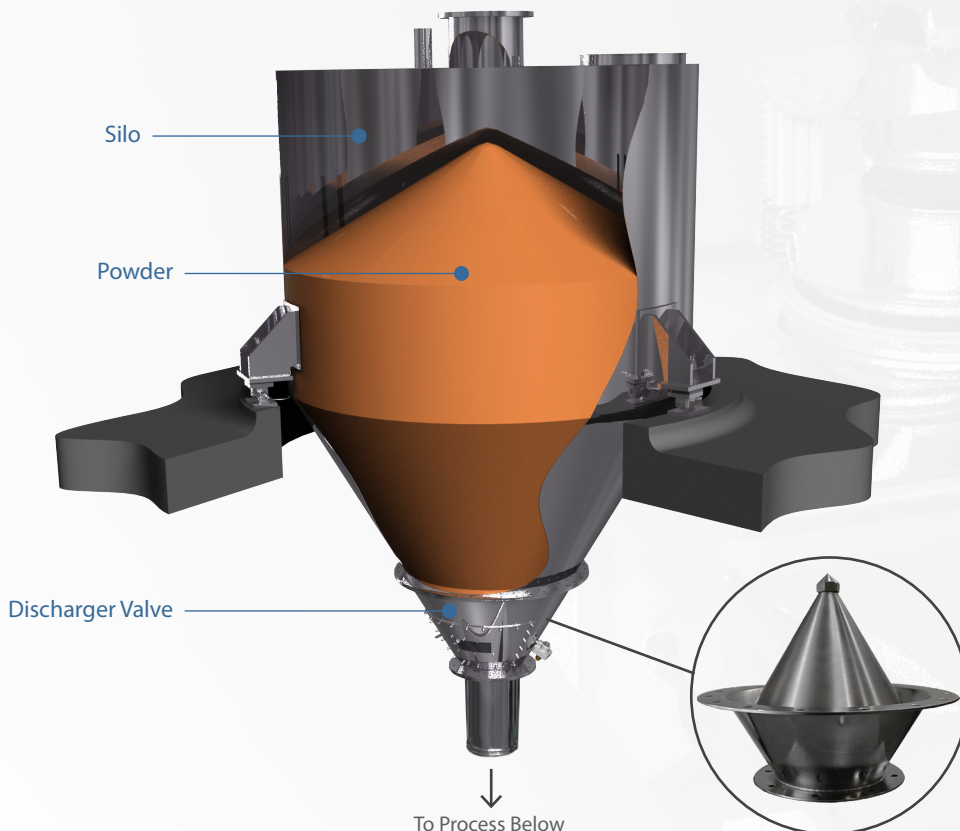
Avoid typical powder flow problems
through automatic and controlled
discharge of virtually any powder type.

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Silo / Hopper Discharger Valves

Discharger Valves are designed to be fitted to Silos and Hoppers to equip them with Cone Valve technology, so that powder discharge can be a more controlled process.

Valve sizes ranging from 500mm to 2.5 metres added to a wide range of existing silos and hoppers, act as both a flow aid and shut off valve in one. In addition, maintenance in situ is possible without full emptying of the silo.



KEY BENEFITS

- Guaranteed powder flow
- Control of flow - stimulate & shut off flow with one valve
- Prevent segregation & other powder flow issues
- Complete discharge
- Dust-free handling
- Direct dosing, no secondary feeders
- Fail safe shut off of material flow
- Variety of sizes available

Discharger Valves promote controlled discharge of even the most challenging materials, from free-flowing to cohesive powders.



As the Cone Valve lifts it creates an annular gap through which the powder flows freely under gravity.

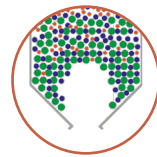
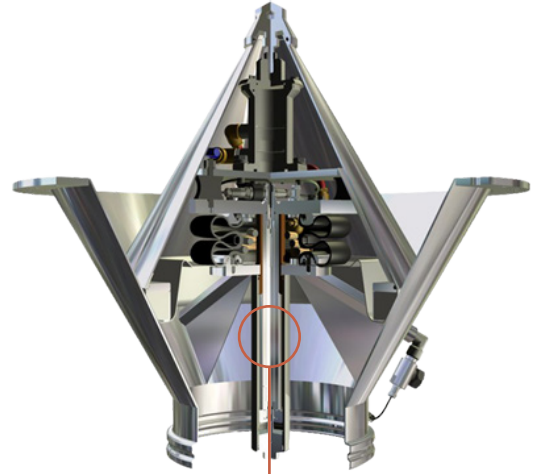
This mass-flow ensures that material is pulled from all parts of the vessel, preventing rat-holing & segregation.

The lift height is adjustable which allows metered doses to be discharged.

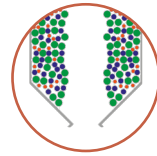
The integral cone vibration breaks any naturally occurring bridges in the Silo.

At any time during the process the valve may be closed to shut off the flow.

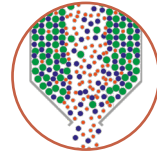
A variety of sizes are available from 500mm to 2.5m in diameter.



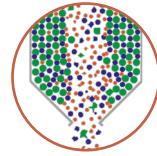
BRIDGING



RAT-HOLING



SEGREGATION



DEGRADATION

AVOID THESE
POWDER HANDLING ISSUES

MATCON®

POWDERS, HANDLED.

We specialise in providing complete materials handling solutions in the Food, Nutrition, Pharmaceutical and Chemical sectors.

We're not just an IBC provider, but a true partner helping you accomplish the right system for your needs.



THE POWDER HANDLING EXPERTS

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Material Processing Technologies

TEKEMAS

Tekemas A/S ♦ East: Naverland 2, 2600 Glostrup ♦ West: Nydamsvej 47, 8362 Hørning, Denmark ♦ Tel +45 3670 6000
Tekemas AB ♦ Varlabergsvägen 16F, 434 39 Kungsbacka Sweden ♦ <http://www.tekemas.dk> ♦ tekemas@tekemas.com