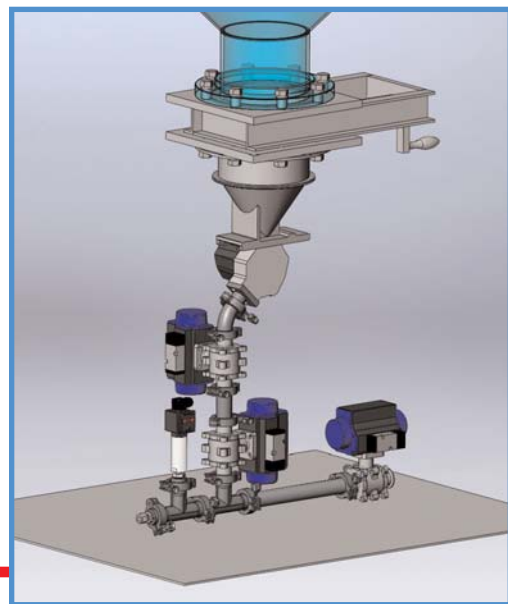


Improved Sulfur Metering for SO₃ Flue Gas Conditioning Systems

Patented Feeder Design Avoids Problems, Frustration Caused by Traditional Delivery Systems

Neundorfer granular sulfur metering system improves reliability and performance, eliminating the headaches and costs associated with conventional sulfur metering. Performance improvements include:

- *Reduced SO₃ system downtime, translating directly into greater power generation or product recovery*
- *Reduced sulfur feedstock waste and costs due to a constant, reliable feed rate*
- *Significantly reduced maintenance as compared to the original equipment*
- *Improved SO₃ system performance translates into optimized electrostatic precipitator dust collection performance*



The Neundorfer-designed granular sulfur feeder is mechanically simple and is easy for operators to maintain.

The patented Neundorfer granular sulfur feeder system addresses the pain associated with the installation, maintenance and costs of standard sulfur metering systems. Using positive displacement to meter and convey granular sulfur rather than conventional auger or eductor transfer, the exclusive Neundorfer design provides more uniform discharge, more consistent volume and easier handling, resulting in reduced or eliminated sulfur plugging and improved performance for SO₃ flue gas conditioning systems.

The Neundorfer granular sulfur feeder system retrofits to any existing Wilhelm Environmental feeder system and installation can be accomplished with minimal or no outage time. The Neundorfer feeder can also be installed on other granular feeder systems or on converted molten sulfur systems. A technical review of each installation is required to ensure all equipment fits properly and to integrate the feeder controls into the existing SO₃ system.

The simple design eliminates large valve assemblies—the feeder has no pockets, no screws and only one moving component. The result is a simple, efficient method of sulfur transport with far fewer mechanical failures and easier, faster maintenance.



A granular sulfur system installation.

Once sulfur is metered into the system, sulfur particles are conveyed to the furnace using a pneumatic, “double dump” valve configuration. Existing instrument air is used to convey sulfur to the furnace for combustion in preparation for conversion and injection for flue gas conditioning.

For more information, contact your Neundorfer representative or visit our website at www.neundorfer.com.



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