

Sustainability that pays off.



motan: SilentLine ensures a calm and safe working environment



SilentLine: double-walled stainless steel piping optimises vacuum conveying

Conveying of plastics granules can get very loud. Often one can hear the noise even from outside the production building. In addition, the abrasive materials generate wear and tear on the material lines. Conventional methods to determine leakage are complex, expensive and seldom dependable. SilentLine delivers an all-round solution to eliminate several disturbing factors at the same time.

Noise reduction

SilentLine is a double-walled construction of material lines. The inner pipe serves for conveying various materials. An air-filled space exists between the inner and outer pipes and acts as insulation to the environment. This deadens the sound and protects employees in the process. SilentLine reduces noise levels by a minimum of 12 dB(A).

This is a decrease of more than 50% when using the above mentioned materials. An additional 6 dB(A) decrease in the sound level can be achieved by using motan's material protecting IntelliFlow when conveying.

Discovering leakage

SilentLine is the only product of its kind on the market which offers vacuum loss detection within the material lines. Using an external flow meter, leaks can be immediately identified and the particular pipe can be exchanged without problem. The conventional method of detecting leakage was complicated and involved stripping outer pipe layers or visual checks. Motan's SilentLine offers leakage monitoring as preventative machine maintenance. With SilentLine, negative consequences such as leak air from damaged spots, material conveying failure or even production stops are a thing of the past.

Thermal energy efficiency

SilentLine works like a layer of insulation.

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The air-filled space in the double-walled pipe lines decreases the amount of heat lost to the ambient atmosphere. The dried material cools less quickly during conveying between the drying stations and the processing machines. This saves the need for insertion of an additional dryer.

Highest Demands are satisfied

SilentLine is flexible and can be combined with all current types of motan piping. Even critical areas such as production buildings or especially vulnerable pipe sections can be outfitted with SilentLine. SilentLine offers the simplest way to increase resource and energy efficiency.

Facts:

- Noise level reduction by 50%, e.i. at least 12dB(A)
- Fast leak detection for more production safety
- Heat insulation reduction of dried material

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