Pfister® FEEDflex for DRW Rotor Weighfeeder

Improve your fuel mix with a gravimetric dosing system that can reliably feed solid pulverized fuels within a feed range of up to 1:100, e.g. from 60 kg/h up to 6000 kg/h. This is an ideal solution for increasing the use of alternative fuels, but still maintaining the possibility to feed high rates of conventional fuels, e.g. for kiln start-up.

Benefits
- Reduce solid fossil fuel consumption
- Increase alternative fuels utilization (waste, biomass, etc.)
- Reduce your CO₂ footprint
- Maintain maximum feeding capacity on retrofitted machines
- Extremely fast reaction to setpoint changes within the complete feed range
Many plants are increasing their alternative fuels utilization and cutting back on fossil fuel use. Achieving low feed rates with existing technologies can be a challenge — an example, during kiln start-up, you still need the maximum feeding capacity. So, how do you balance these conflicting demands?

The answer is Pfister® FEEDflex, an innovative solution encompassing all the benefits of the Pfister DRW Rotor Weighfeeder, but with a much larger feed range. Pfister FEEDflex uses proven gravimetric dosing technology to feed pulverized fossil fuels within a feed range of up to 1:100. The feed rate can be changed quickly according to your needs — so you can adapt fast to changing operating conditions.

Based on the design of the world renowned Pfister DRW Rotor Weighfeeder, Pfister FEEDflex offers the same consistency and feeding accuracy thanks to Prospective Control ProsCon®. But the very low feed rate also enables you to increase the sustainability of your thermal process, while delivering efficiency and performance at all times.

Pfister FEEDflex is an optional feature for new Rotor Weighfeeders and it can also be retrofitted to existing Rotor Weighfeeders. If retrofitted, then Pfister FEEDflex will not impact the maximum feeding capacity of your dosing system, but it will enable a pulsation-reduced feeding in the lower feed range, i.e. between 1 – 10% of the maximum feeding capacity.

Minimum feed rates. Maximum benefits.
- Sustainability: Now that you are not limited to using a high ‘minimum’ quantity of solid fossil fuels, you can utilize higher quantities of alternative fuels, thus reducing your carbon footprint.
- Productivity: The maximum feeding capacity of a retrofitted dosing system will be maintained.
- Flexibility: Quick changes to operational parameters are still possible — and you can expect the same high level of consistency, accuracy and reliability.
- Profitability: The fuel costs can be reduced as you use only what you need. A very fast return on investment is achievable.

Example of fuels used in the cement process