

Upgrade for weight fillers



Improved slipringset



PRoCARE®

The smart way to produce
more tonnage per day

jbt.com

JBT builds weight fillers for the Dairy and Juice industry. To keep the machines up to date we introduce a continuous improvement plan. This can involve:

- ✓ Maintenance improvements
- ✓ Accuracy improvement
- ✓ Program updates

This leaflet describes an improved slip-ringset.

History

The weightfilling machine is equipped with a so called slip-ringset. This slipringset transfers air-pressure, electrical power and signals from sensors and the Penko weighing unit, from the rotating part of the filler, to the static, control cabinet and air-pressure supply.

What does it resolve?

The previous iteration of the slip-ringset had a relatively short maintenance span (< 3000 hrs), after which it had to be opened and the slip-rings had to be cleaned.

Additionally, the air pressure hose and the rotary air manifold passes through the same housing as the slip-rings. If this air pressure hose had any issues or leaks, the slip-rings get foiled much quicker than the standard maintenance interval of 3000 hrs.

Above mentioned maintenance was also difficult and could be very time consuming (8hrs)

Additionally, this new standard slip-ringset will accommodate future control upgrades as parts become obsolete, e.g. Penko weight control unit.

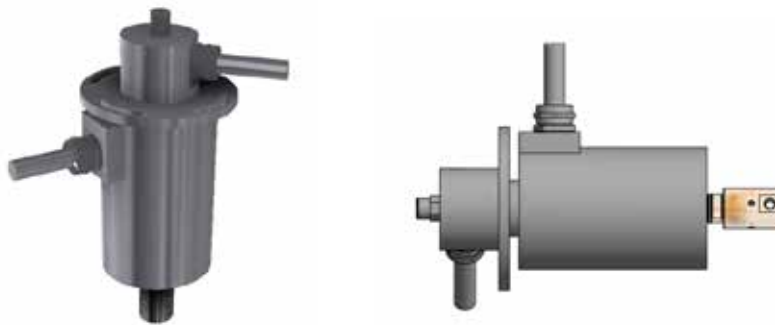


What is the new functionality?

In this latest and improved design, JBT incorporated all knowledge and customer feedback from the previous iteration of the slip-ringset.

This effort resulted in:

- ✓ Easier disassembly of the slip-ringset, reducing required maintenance time
- ✓ Redesign of air pressure passage: air pressure channel does not pass through the slip-ring chamber
- ✓ Contamination of the slip-rings strongly reduced.
- ✓ Making the signal exchange futureproof in light of future upgrades



What will be modified?

The improved slipringset is mechanically a one-to-one replacement of the existing slipringset.

What's the impact?

Implementation and mounting of the improved slipringset requires 1 workday downtime.

What are the benefits?

- ✓ Reduced maintenance interval
- ✓ Reduction of maintenance duration
- ✓ Futureproof
- ✓ Maintenance free
- ✓ Higher reliability rate
- ✓ Compact design
- ✓ IP 65 with watertight connectors
- ✓ Low friction rate
- ✓ Sliding contacts gold on gold
- ✓ Air manifold outside the electrical housing
- ✓ Short delivery

Please contact your JBT customer care manager for more information or a quote.

Contact for the improved slipringset

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COUNT ON JBT TO HELP PROTECT YOUR INVESTMENT

JBT's greatest value in PRoCARE® services comes from preventing unexpected costs through smart, purposeful, and timely maintenance based on unmatched knowledge and expertise. PRoCARE service packages are offered as a maintenance agreement in various service levels, depending on your production and cost management requirements.



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