



News Release

More than just hygienically safe

Pneumatic drives DSBF, CRDSNU and DGRF with genuine added value

Media Contact:

Marketingmgr@us.festo.com

Three hygienically safe pneumatic drives have just been launched that offer more than just suitability for use with foods and corrosion resistance. The standard cylinder DSBF and the round cylinder CRDSNU are equipped with self-adjusting cushioning PPS, while the guided drive DGRF is designed to handle work pieces under harsh environmental conditions.

HAUPPAUGE, NY, September 26, 2011 — Self-adjusting cushioning PPS from Festo means an end to time consuming adjustments when setting the correct cushioning with hygienic pneumatic cylinders. The cushioning system, available as an option with the Clean Design cylinder DSBF and the stainless-steel round cylinder CRDSNU, makes commissioning easier and also saves time. The system also makes it possible to achieve dynamic yet gentle cushioning at the end positions of a cylinder without manual intervention.

Festo Corporation

395 Moreland Road
P.O. Box 18023
Hauppauge, NY 11788
Tel: 631.435.0800
Fax: 631.231.9215
www.festo.com/usa

Saving time

Previously, users had to adjust the pneumatic end-position cushioning integrated into the cylinder manually, which had a negative impact on cycle times and noise levels. What is more, manual adjustment

of cushioning took time, making the commissioning of installations a lengthy process, particularly those which included a large number of drives that required cushioning.

Festo's self-adjusting cushioning PPS now ensures that the cushioning is always set correctly without needing any manual work on the part of the user, even if parameters such as friction and pressure change. It also reduces the acceleration forces acting on machine components and work pieces. This in turn reduces wear and minimizes time-consuming vibration. Furthermore, self-adjusting cushioning is less expensive and more robust than shock absorbers. Thanks to PPS, there is no need for an adjusting screw. This makes the cylinder easier to clean.

The right seal every time

The sealing materials and lubricating grease used have FDA approval for use with food. The modular sealing system means the right seal for every application: FDA-compliant standard seals for a long service life, FDA-compliant seals for grease-free operation, and variants for high temperatures up to 248°F (120°C) and low temperatures down to -40°F (-40°C).

Rigid and precise

The guided drive DGRF with its compact design combines precision with torsional rigidity. Thanks to its smooth surfaces, large radii, and unique ease of cleaning, dirt deposits and corrosion are a thing of the past with this cylinder. Its precision guide will make it a popular choice for many applications in the food, beverage, and packaging industries, wherever high force and accuracy are required. There is also an optional variant for grease-free operation in applications subject to intensive cleaning.

Easy-to-clean accessories

Suitable proximity sensors are available that are resistant to cleaning agents, heat, and mold. The cylinder sensor SMT-C1, for example, can be mounted directly on both the DGRF and DSBF, using the sensor rail.

The tubing/fitting combination PLN/NPQP can be assembled quickly and easily and ensures long-term trouble-free operation, even in corrosive environments subject to intensive cleaning. The fitting NPQP is thus a practical alternative to costly stainless-steel fittings.

For sales information call Festo at 800-993-3786 and visit

www.festo.com/us.

###

For the following images, [click here](#)

Photo: Festo press photo Interpack_0111_DSBF.tif and
Festo press photo Interpack_0111_CRDSNU.tif



Caption: Save time with self-adjusting cushioning PPS:
now available with the standard cylinder DSBF
and the round cylinder CRDSNU – both in
hygienic design. (Photos: Festo)

Photo: Festo press photo Interpack_0111_DGRF.tif



Caption: Precision and torsional rigidity in hygienic design:
the guided drive DGRF. (Photo: Festo)

Photo: Festo press photo Interpack_0111_PLN_NPQP.tif



Caption:

Trouble-free operation in corrosive environments subject to intensive cleaning: ensured by tubing/fitting combination PLN/NPQP. (Photo: Festo)

Media Contact:

Journalists write to the Festo Marketing Manager marketingmgr@us.festo.com for additional information and access to high resolution images.