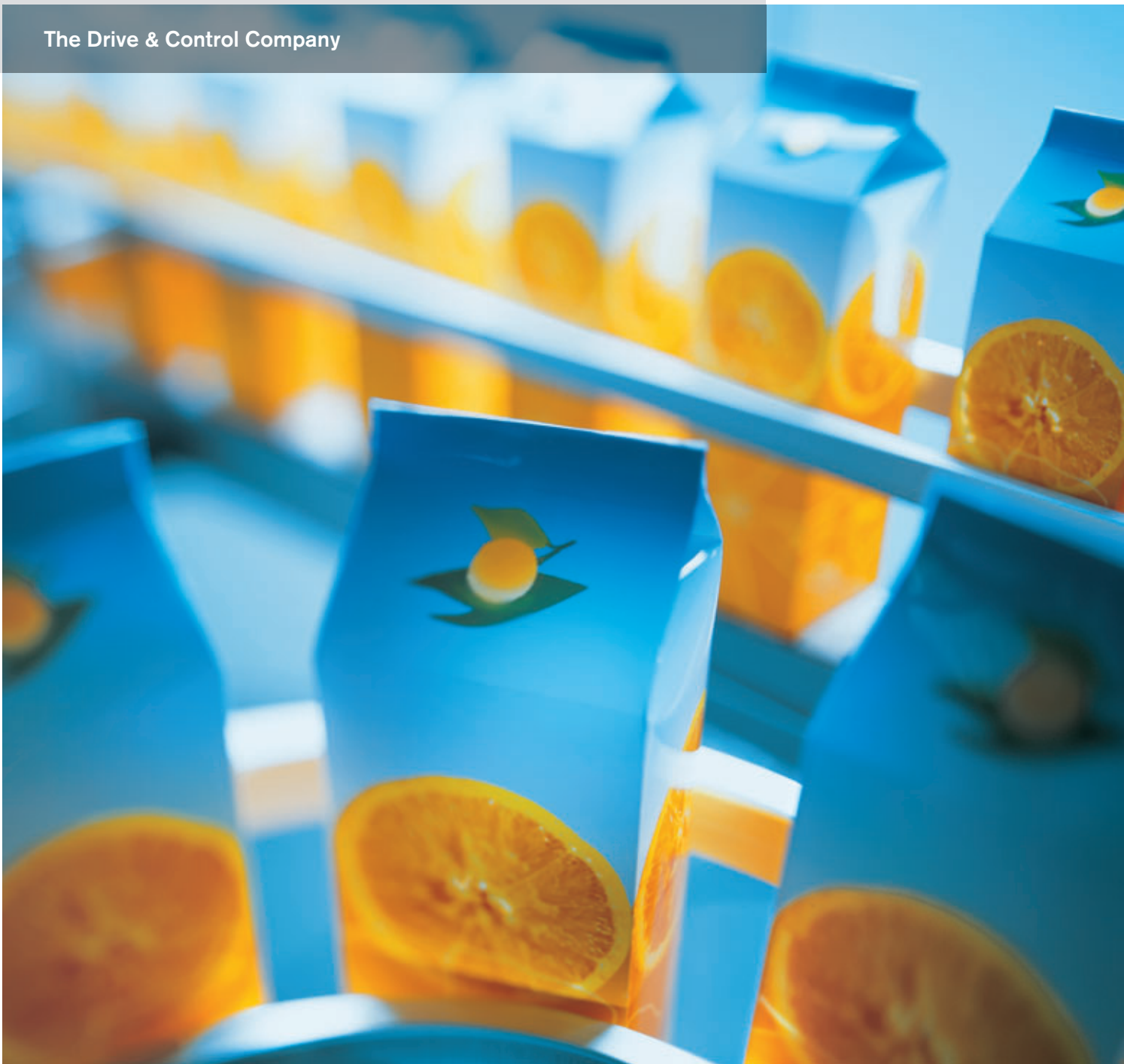


## Rexroth for Food and Packaging

The Drive & Control Company

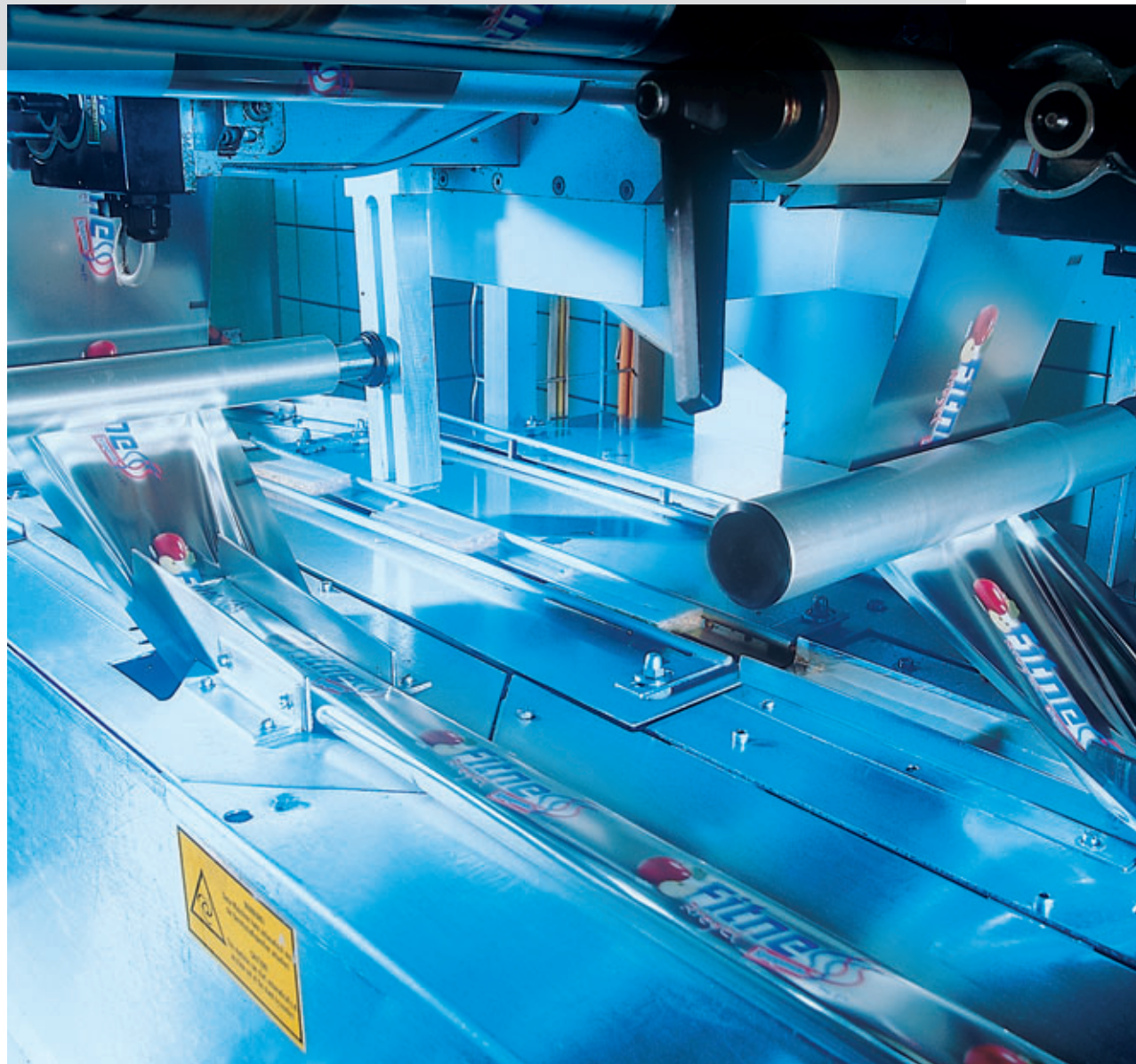


## With Our Broad Range of Products You're Even More Flexible

Ever shorter life cycles of products, new materials and changing manufacturing processes increasingly determine the economical use of production systems in the packaging and food processing industry. Open, industry-specialized control and drive concepts with components from all drive technologies (including intelligent interlinking systems) offer excellent conditions for productive automation – from the manufacturing process to packaging to palletizing for shipping. You'll only find these solutions at Rexroth: They make production systems flexible, ensuring higher cycle rates, faster size changes and higher precision. Remote diagnosis via the web further increases system availability. Added to this are the advantages of cross-technology, worldwide service for fast, local problem identification and spare part procurement. Our many years of industry experience on the various technologies enables the design of customer-specific systems.

Anyone who wants to optimize productivity in the food processing industry should employ solutions from Rexroth in all areas. Ensure lasting advantages with:

- hygiene-compliant product design
- constant, reproducible product quality
- optimum adaptation of the output rate
- variable, future-oriented control concepts
- simple, fast maintenance world-wide



## Our Technologies Really Get You Moving

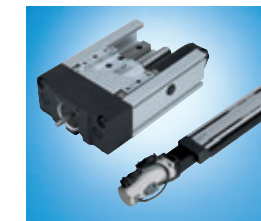
The food-processing and packaging industry in particular requires concepts that meet demanding requirements for functionality while being designed with the highest possible level of cost optimization. That's why Rexroth provides you with solutions that are not just limited to one technology, but instead utilize the advantages of all drive-relevant technologies. Whether its electrical, pneumatic or mechanical: Rexroth works with you to determine which technology is best suited for which process, and supplies you with components that are among the best in their class, and lowers your development costs with perfectly matched components and systems. Rexroth is the only company that can offer you this technology crossing product line and provide you with the knowledge and expertise to seamlessly integrate them to fit the needs and requirements of your industry.

### Solutions From Rexroth Utilize All Technologies. The Choice is Yours



#### Controllers and drives

An extensive range of open motion-logic solutions and intelligent servo drives with internationally standardized interfaces can accomplish any automation task – from simple one-axis motions to complex production systems.



#### Linear technology

Guides or screw drives, individual or compactly integrated in linear axes, provide the dynamics and reliability required in the food processing industry.



#### Assembly technology

The VarioFlow system, based on the well-known module profile system, enables simple interconnection of the individual packaging stations. Use of the Scara and bending-arm robots enables the realization of complex packaging processes.



#### Pneumatics

From handling and processing of foodstuffs to transport to packaging: pneumatic systems from Rexroth are everywhere. Simple, fast and economical – even under extreme conditions.



## Efficiency in Line with Your Needs: Solutions with a System

### 1 Diagnostic function: Pneumatic valves with bus module

Valve systems with a bus module are available with all common field bus protocols. Malfunctions in the pneumatic system are reported to the controller via diagnosis.



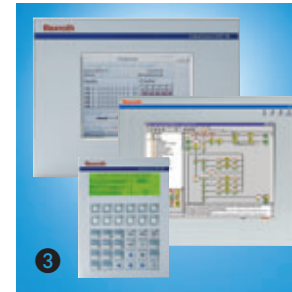
### 2 Controller: Motion-logic solutions

The use of integrated logic functions enables perfect communication with all Rexroth products. Internationally standardized software and bus systems harmonize your production systems and safeguard your investments.



### 3 Operation/visualization: HMI

Clearly structured visualization permits the simple monitoring of your system data. It is available to meet your requirements – from a simple LCD operating unit to a convenient IPC solution with a uniform operating philosophy.



### 4 Electric servo drives

Our intelligent drives are available in many different versions. They feature extensive technological functions and accomplish their automation tasks as quickly as they do precisely. In addition, a most varied array of designs from our unique motor range is available – versions with degree of protection 67, or ATEX versions, for example.



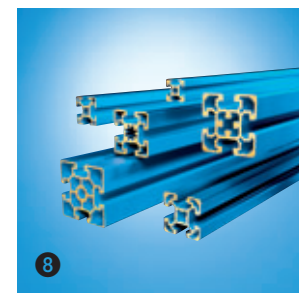
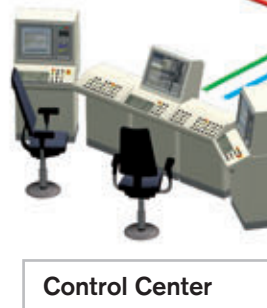
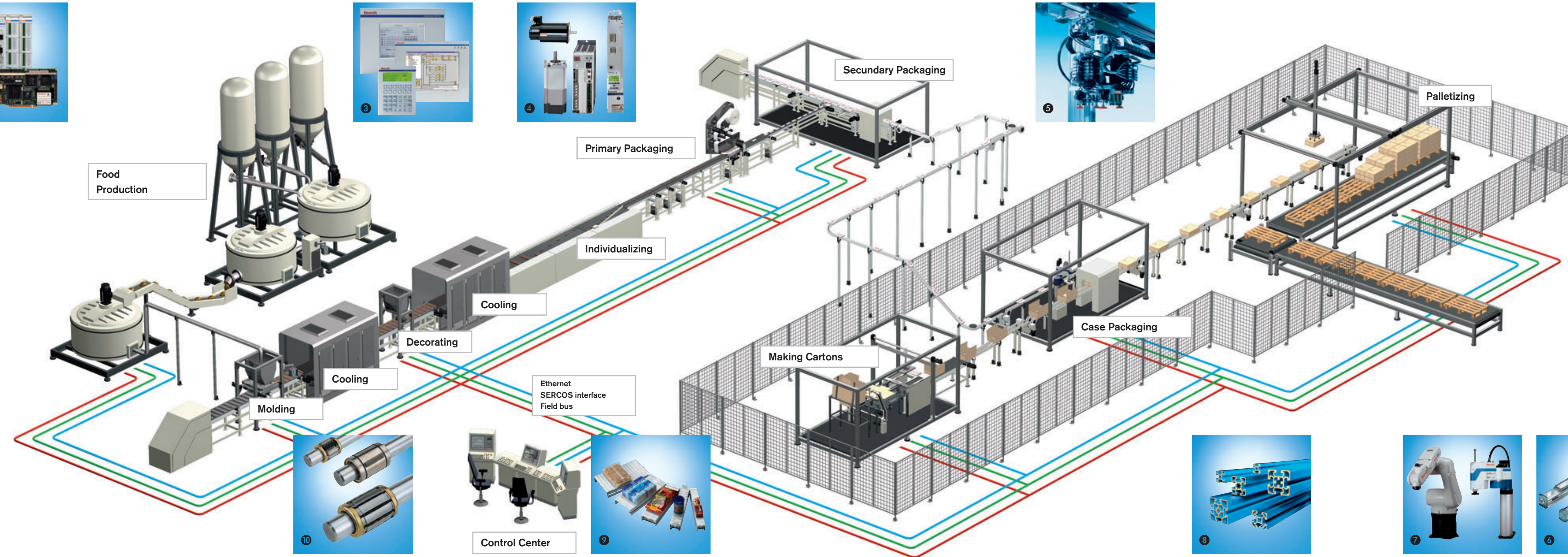
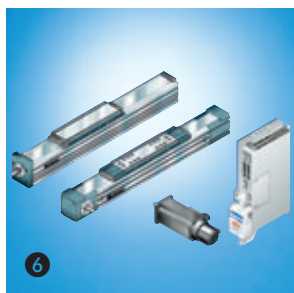
### 5 Packaging handling

A wide range of suction grippers and vacuum generators enables you to handle any packaging task. A modular profile system and a wealth of pneumatic components make it easier to realize your own designs for special tasks.



### 6 Positioning: linear axes

Ready-to-install linear systems permit easy integration in your machine structure. Various profile cross-sections with integrated guides and drives are available depending on your requirements.



### 7 Handling: robots

Fast Scara and bending-arm robots with a powerful controller and a uniform programming interface open up many possibilities for economical handling during loading, unloading, palletizing and packaging.

### 8 Modular framing system: MGE

Our modular aluminum profile system with over 100 profile cross-sections, area elements and a broad range of accessories offers every possibility for designing frames, outer housings, protective fences etc.

### 9 Transport: VarioFlow S

With our VarioFlow S, we offer an economic transport system for the food and packaging industries. In addition to our aluminum version, we also offer a version in easy-care stainless steel – to satisfy the most stringent requirements for hygiene and cleanliness. And another advantage: the open system construction – a clever solution to dirt deposits.

### 10 Loadable: linear guides

Reliable guidance with high-precision linear, anti-corrosion rail guides in the sensitive hygienic sector. Also available with stainless-steel mini-rail guides or ball bushings and shafts.

### 11 Extreme conditions: hygienic design

For applications in the food processing industry, Rexroth offers pneumatic components designed cleaning-friendly, as well as corrosion-resistant designs. Our special valves and cylinders convince with their resistance to water, cleaning agents and chemicals.

For more information, please visit  
[www.boschrexroth.com/foodpack](http://www.boschrexroth.com/foodpack)



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