

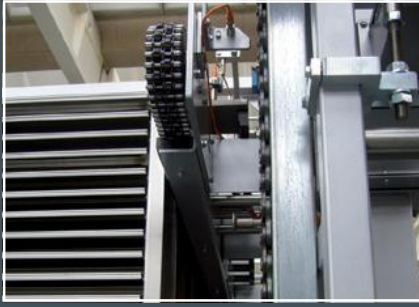
Inspiring technology!



COMPACT PFR

Effectively boosts your line efficiency

PFR (Product Flow Regulators) and buffers



1 **Buffer roller chain:** Gondolas are accumulated on the roller chain 2 **Product output:** Product rows are pushed onto the cross feeding conveyor up to the product stop 3 **Automatic removal of the gondolas:** optional

Scope of application

The COMPACT PFR may be used for both packaged and un-packaged products: Chocolate tablets and bars, fruit and cereal bars, biscuits, bakery products, deep fried pasts nests, deep frozen food and many more foodstuffs, luxury food and stimulants, pharmaceutical products and non-food articles. Depending on its position within the line, the PFR adopts various tasks next to simple buffer functions: Regulation of the product flow, cooling or heating of the products, discharge of a furnace, feeding packaging legs or the synchronization and grouping of products.

Function principle

The COMPACT PFR functions according to the FIFO principle «First-In – First-Out». The product rows to be buffered are transferred into the gondola. Full gondolas are pushed onto two horizontal accumulating chains where they remain buffered until unloaded. Loading/unloading the rows can be done at different speeds. While most PFRs load from the front, the COMPACT PFR allows for front and/or lateral loading depending on the application. Servo motors ensure a gentle transport. An intelligent control and smart mechanics achieve an excellent output even when dealing with complex products. The COMPACT PFR is particularly suited for low ceiling heights, requires very little floor space and is available in various designs and models. It is frequently used in combination with additional functions for cooling or heating products.

Customer benefit

By isolating the packaging process from the production, the productivity is enhanced drastically. The use of a COMPACT PFR not only effectively prevents the products from overflowing but also functions as a flexible link between the incoming product flow and the packaging legs to be fed.

Irregularly incoming rows and speed variations are compensated and the legs are optimally fed. In this way, the packaging legs are used more efficiently increasing their packaging output which - on the whole - leads to an improvement in the Overall Equipment Effectiveness (OEE).

Low construction height, good accessibility and hygienic design grant minimum down times for service and cleaning. In the basic version, the gondolas may be exchanged manually following the production. As an option, the automatic removal and re-feeding of the gondolas during the production is also available.

Due to the modular design, the PFR may perfectly be tailored to the requirements and space available at the customer's place. The operation via a touch screen allows fast access to all important functions.

Performance data

Product dimensions	Length: 30 - 350 mm, height: 5 - 300 mm
Buffer capacity	up to 1'200 rows
PFR overall height	from 2'400 mm
Loading capacity	up to 150 rows / min, predominantly from the front
Unloading capacity	up to 120 rows / min frontally and /or laterally single or twin exit
Shelf width	up to 1'600 mm

Product Focus

- Ease of Use
- Powerful Solutions
- High Effectiveness
- Low Total Cost of Ownership