

GEA SCAN-VIBRO CIRCULAR DISTRIBUTION FEEDER (CDF)

Compact feeder with sanitary design
and multiple outlets.



A LEGACY OF EXPERTISE

GEA's unique combination of high-quality products and established know-how means that we continue to be the preferred supplier to the largest manufacturers in the market.

GEA Scan-Vibro Circular Distribution Feeder with rotating motors (PATENTED) feeding to multiple outlets

The feeder is designed for use with a vast range of products – including powders, granulates, frozen or ambient, greasy or dry, food or chemical - in multiple industries.

It's perfect anywhere there is a need to fill multiple 'targets' (silos, process lines, etc.).

The product enters the feeder through the centered inlet on top of the equipment and is transported by vibration to the open outlets. Due to the construction and design of

the feeder all open outlets will dose an equal amount of product.

All outlets can be opened and closed independently and, unlike other equipment, the circular distribution feeder is selfemptying. The special design prevents product being left in the equipment or outlets.

This means our customers can save valuable time between production runs as different products will not be mixed, so cleaning is much easier.

Sanitary design and product safety

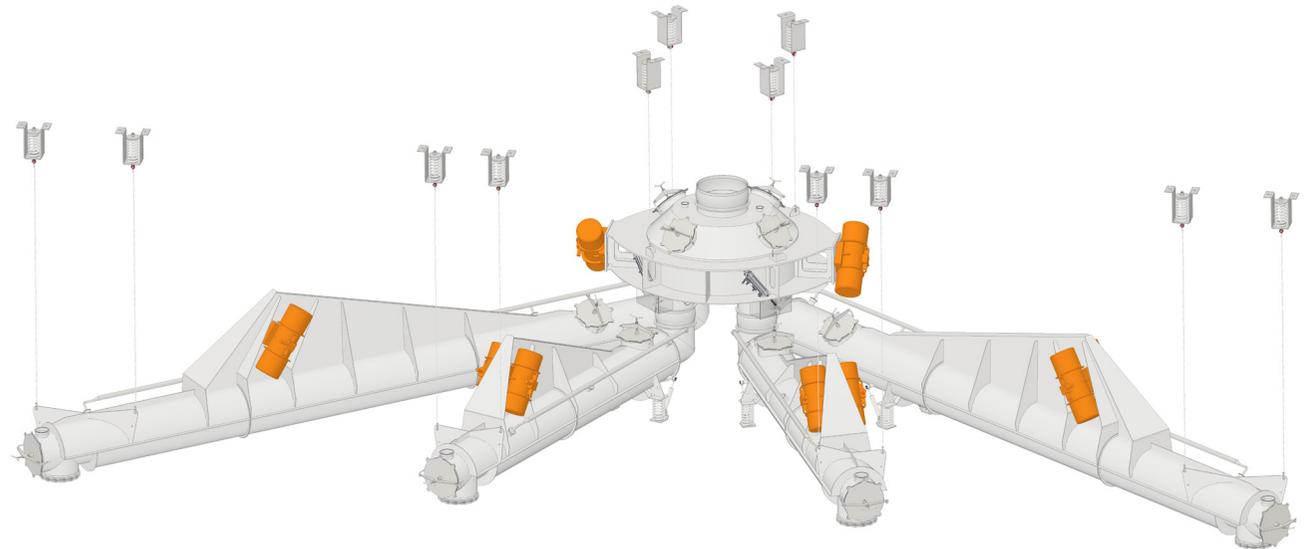
The circular distribution feeder is designed according to the latest EHEDG guidelines and can be delivered according to USDA-3A or NZFSA. The equipment is hermetically sealed and manufactured with food-grade materials.

The feeder is easy to clean and keep clean as it is made from fully welded stainless steel. It can also be fitted with large inspection covers and CIP nozzles for easy access and cleaning. This provides our customers with sanitary production and saves time.

Unlike traditional feeding solutions, vibratory feeders do not have any moving parts that can break or cause blockages. This further increases the sanitary level of production.

Product quality

The special combination of oscillation and frequency of vibration, as well as stroke length means, GEA Scan-Vibro feeders and conveyors are extremely gentle – even when handling sensitive or fragile products – resulting in reduced product damage and loss, improved product consistency, less waste and less reprocessing.



Operating efficiency

Low energy consumption and lubrication-free motors, with long intervals between maintenance, help to reduce operating costs during extended production cycles, especially when continuous operation is required.

Customization

We tailor the equipment to fit each customer's needs. The Circular Distribution Feeder is designed to be scalable from small to very large capacities and a high level of customization is available, including the size and number of outlets.

Pilot plant

In-house facilities are available for customers wishing to test their products and ensure the correct equipment specifications. Contact us today to discuss your specific requirements with our technical experts and learn more about the operation and maintenance of our gentle feeder solution first-hand.

Key features

- Designed for continuous operation.
- Easy to clean and keep clean. Available with CIP nozzles.
- Handles products gently to prevent damage and reduce product losses.
- The Circular Distribution Feeder (CDF) is designed according to EHEDG guide lines and can be delivered in compliance with USDA-3A, NZFSA and ATEX.
- Various finish grades available. Can be polished from 1.3 to 0.2 μm depending on the sanitary requirements.
- Dimensions can be customized as required.

Specifications

- Motor bearings have an estimated life time of 20.000 hours. (Depending on specific type).
- No lubrication or other maintenance is needed.
- Operating conditions: -20 to +55 °C.
- Capacity (theoretical maximum): 60.000 l/hr.
- ATEX Zone 21/22 (internal / external) available.
- Pressure shock resistant at 0.6 bar.

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