



GEA Hilge F&B-HYGIA®

Single-Stage End-Suction Centrifugal Pumps

Optimize Your Processes in Food & Beverage

The GEA Hilge F&B-HYGIA® is designed specifically to match the requirements to hygiene and reliability typical for food and beverage industries.

Perfectly Adjusted Solutions for Food & Beverage

A unique combination of design and materials ensures that you can achieve and maintain the standards of hygiene worldwide and save both time and costs.

Fully Flushable Seal

The inboard single mechanical seal is fully cleaned and lubricated by the liquid medium. Pumps in this series can also be equipped with a single-acting, flushed mechanical seal. This version is recommended in many food and beverage applications to avoid crystallization. It will significantly increase the lifetime of the shaft seal.

Gentle on Your Product

Independent tests confirm that the open design ensures that foods and beverages of all kinds retain their product quality throughout the pumping process – even in critical temperature ranges.

Not just for Foods & Beverages

The open impeller and the use of high-grade stainless steel design make pumps in the GEA Hilge F&B-Hygia® range applicable for business in many different industrial applications, such as:

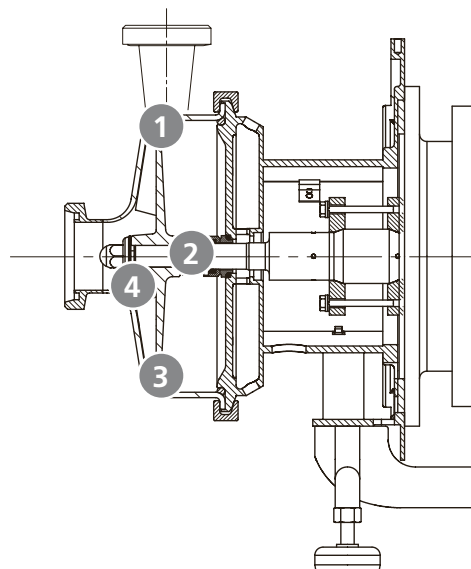
- Bio fuel
- Water treatment systems
- Textile industry
- Paint systems

Shaft Seals – Choose the One to Suit You

A wide range of shaft seal options is available to suit different media and applications. The mechanical seals used in the GEA Hilge F&B-HYGIA® range are single inboard seals that maintain the optimum position in the liquid. This ensures lubrication cooling, CIP and SIP in full accordance with the criteria of hygienic design.

Features and Benefits

- 1 Rounded corners**
Gentle product handling and low shear force
- 2 Inboard shaft seal**
Optimal lubrication and cleaning assured
- 3 Pore-free surface**
CIP- and SIP-capable
- 4 No dead ends**
Suitable for the highest requirements and demands in Food & Beverage applications





Choices Include:

- Sterile mechanical seals
- Single flushed mechanical seals (quench)
- Standard seal face material: carbon/stainless steel or SiC/SiC
- Standard O-ring material: EPDM (FDA-compliant)
- Additional designs and materials available upon request

Connections

GEA Hilge offers threads DIN 11851 as standard for GEA Hilge F&B-HYGIA® pumps.

Connections upon Request

Threads:

- Threads SMS
- Threads DIN 11864-1

Flanges:

- Flanges EN 1092-1
- Flanges DIN 11864-2

Clamps:

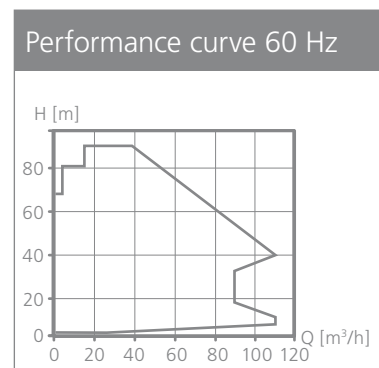
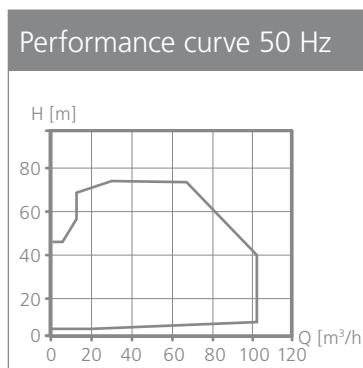
- Clamps DIN 32676
- Clamps TRI-CLAMP

Other connections are available upon request.

Design variants – F&B-HYGIA®	
Standard variants	Description
GEA Hilge F&B-HYGIA® K	Close-coupled pump with plug-in shaft, horizontal installation
GEA Hilge F&B-HYGIA® K-SUPER	Close-coupled pump with plug-in shaft, horizontal installation, motor with stainless steel shroud
Variations upon request	Description
GEA HILGE F&B-HYGIA® tronic	Close-coupled pump with plug-in shaft, horizontal installation, motor with frequency converter
GEA Hilge F&B-HYGIA® on trolley	Close-coupled pump with plug-in shaft, on trolley



Technical data		
GEA Hilge F&B-HYGIA®	50 Hz	60 Hz
Flow	110 m³/h	110 m³/h
Head	70 m	90 m
Operating pressure	up to 16 bar	
Operating temperature	95 °C	
Sterilization temperature	140 °C (SIP)	





We live our values.

Excellence • Passion • Integrity • Responsibility • GEA-versity

GEA Group is a global engineering company with multi-billion euro sales and operations in more than 50 countries. Founded in 1881, the company is one of the largest providers of innovative equipment and process technology. GEA Group is listed in the STOXX® Europe 600 Index.

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