



## GEA Hilge NOVALOBE 60

The new Rotary Lobe Pump  
for Advanced Applications

From summer 2018, the new pump size GEA Hilge NOVALOBE 60 will be available, expanding the range of the GEA Hilge NOVALOBE type in the GEA VARIPUMP line.

The extension of the range gives our customers and us even more flexibility. With NOVALOBE 60 it is possible to either pump at higher flow rates or to pump shear-sensitive fluids at even lower speeds. This ensures optimum protection of the pumped product.

### Technical data:

Displacement: 2.1 l/rev

Max. differential pressure: 10 bar

Connection size: 100 mm/4"

Max. viscosity: 1,000,000 mPas

### Your advantages at a glance:

- Hygienic
  - Proven cleanability ensures reliable and fast CIP
  - All product wetted materials approved for food, beverage and pharmaceutical applications
- Robust and reliable
  - No galling and wear
  - Allows high differential pressure
  - Long life time at low life cycle costs
- Flexible
  - Set-up depending on application requirements
  - Pump variants for demanding applications available
  - Pump can be adapted to cover a different application
- Easy to install and maintain
  - Fast change of mechanical seal
  - Easy modification of the pump (e.g. rotors and shaft seals)
  - Easy and fast alignment and installation of the pump

# Technical data GEA Hilge NOVALOBE

## PROGRAM OVERVIEW

Pump model	NOVALOBE 10/0.06	NOVALOBE 20/0.12	NOVALOBE 30/0.33	NOVALOBE 40/0.65	NOVALOBE 50/1.29	NOVALOBE 60/2.1*
Displacement (l/rev)	0.06	0.12	0.33	0.65	1.29	2.1
Differential pressure (bar)	16	16	16	16	16	10
Max. speed (rpm)	1,500	1,500	1,250	1,000	800	500
Max. liquid temperature	up to 95 °C, 150 °C (SIP)	up to 95 °C, 150 °C (SIP)	up to 95 °C, 150 °C (SIP)	up to 95 °C, 150 °C (SIP)	up to 95 °C, 150 °C (SIP)	up to 95 °C, 150 °C (SIP)
Rotor design	uni-wing bi-wing multilobe	uni-wing bi-wing multilobe	uni-wing bi-wing multilobe	uni-wing bi-wing multilobe	uni-wing bi-wing multilobe	bi-wing multilobe
Surface roughness R <sub>s</sub> (µm)	≤ 0.8 / ≤ 0.4**	≤ 0.8 / ≤ 0.4**	≤ 0.8 / ≤ 0.4**	≤ 0.8 / ≤ 0.4**	≤ 0.8 / ≤ 0.4**	≤ 0.8 / ≤ 0.4**
Connection size (mm)	25	40	50	65	80	100
Max. particle size (mm) (non-abrasive)	12	16	23	29	35	41
Max. viscosity (mPas)	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000

\* available summer 2018

\*\* optional



### Bi-wing

Standard design for most applications. Offers a robust and popular choice for most standard applications even with particles.



### Multilobe

Offers low shear and gentle product handling with the lowest pulsation levels available for lobe pumps. Operation at highest speed and lowest noise level.



### Uni-wing

Designed for gentle product handling of big particles and dough products.

GEA VARIPUMP: Each model offers high flexibility and numerous variants



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