

NOVALobe

The new rotary lobe pump “Design by HILGE”



Areas of Application



Beverage



Liquid Food



Pharma and Biotech



Environment and Surface Treatment



Industrial Applications

Technical Details

- **Flows:**
0.03 l/rev to 9.80 l/rev
- **Heads:**
Standard up to 16 bar
- **System Pressures:**
Up to 40 bar
- **Product Temperature:**
Standard 150°C
- **Sterilisation Temperature:**
140°C (SIP)
- **Material:** 316L, 1.4404
(Special alloys on request)
- **Surface Finish:** $Ra \leq 0,8 \mu m$
(Option: $Ra \leq 0,4 \mu m$)
- **Shaft Sealing:**
Single, flushed and double mechanical seals
- **Connections:**
DIN 11851, DIN 32676,
DIN 11864-1, DIN 11864-2,
ANSI, (other connections on request)

The new pump range from HILGE offers you reliable, efficient and hygienic solutions for high specification pumping tasks in numerous areas of application.

The advantages at a glance

Service friendly design

Front loading mechanical seals enable easy and quick service. The unique rotor location design ensures the correct positioning of the rotors. These features shorten down times and minimise life cycle costs.

The Robust Construction

The shafts have been designed to withstand the major forces occurring during critical process steps. All pumps are designed for delivery pressures of up to 16 bars and a product temperature of 150°C.

High Volumetric efficiency

The NOVALobe has been designed with an optimised ratio of rotor diameter to length in relation to shaft centres providing maximum volumetric efficiency so that the most efficient and cost effective pump can be chosen from the complete range.

Sterile Design “Design by HILGE”

As with all HILGE products the NOVALobe range offers quality as the basis for a successful solution to your pumping problems. Every pump is tested before leaving the factory to ensure that the pump meets all the requirements for “Design by HILGE”. The seasoned experience of the HILGE design engineers in sterile processes makes the NOVALobe range a reliable partner for your sterile pumping processes.

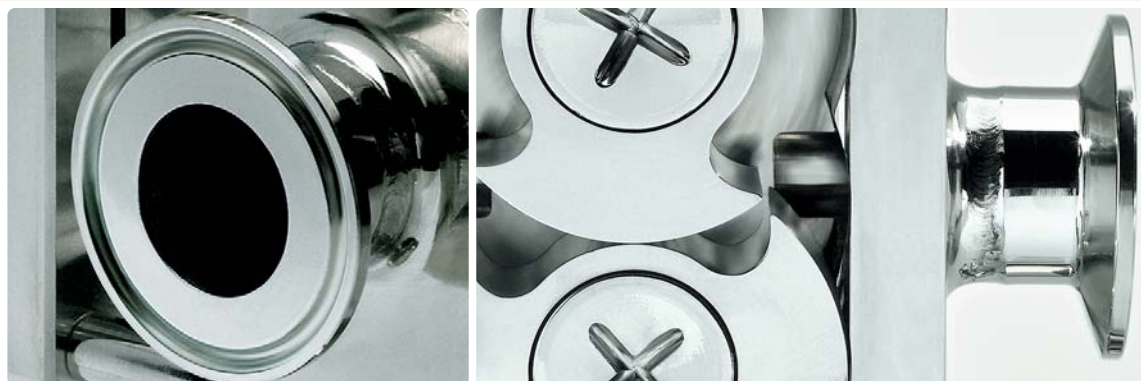
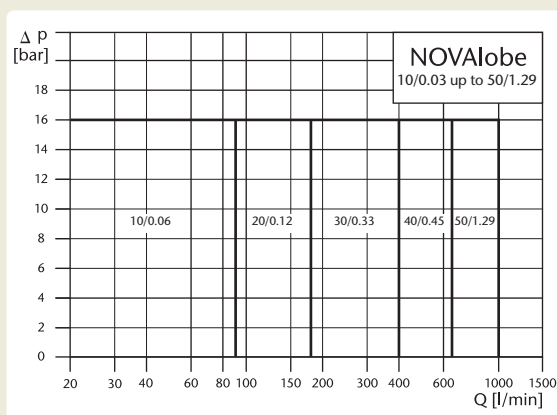


NOVAlobe Range

Pump Model	Displacement [litres/rev]	Connections [mm]	Maximum diff. pressure [bar]
NOVAlobe 10/0.03	0.03	25	16
NOVAlobe 10/0.06	0.06	25	16
NOVAlobe 20/0.12	0.12	40	16
NOVAlobe 30/0.22	0.22	50	16
NOVAlobe 30/0.33	0.33	50	16
NOVAlobe 40/0.45	0.45	65	16
NOVAlobe 40/0.65	0.65	65	16
NOVAlobe 50/0.95	0.95	80	16
NOVAlobe 50/1.29	1.29	80	16
NOVAlobe 60/1.90*	1.90	100	16
NOVAlobe 70/3.19*	3.19	100	16
NOVAlobe 80/4.25*	4.25	150	16
NOVAlobe 90/6.50*	6.50	150	16
NOVAlobe 100/9.80*	9.80	200	16

* Available from spring 2007

Performance Range



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