

perma NOVA 65

For minimal quantity lubrication



For applications with high temperature variations

perma NOVA can be used for all indoor and outdoor applications that are within a temperature range of -20 °C up to +60 °C. The system is certified for explosion proof areas and is especially suited for the lubrication of bearings and seals in electric motors, fans and blowers requiring exact lubrication according to manufacturer's specifications.

The discharge period [1 – 12 months] can be easily programmed by pushing the selection button on the NOVA control unit. A temperature sensor periodically measures the ambient temperature and the control unit calculates the required gas generation based on this data. This ensures a continuous and controlled discharge. perma NOVA consists of a reusable control unit, a lubricant canister (LC sizes 65 and 130 cm³) filled with grease or oil (integrated oil retaining valve) and a protection cap.

perma

Do you have technical questions?
Do you need help in selecting the right
lubrication system?

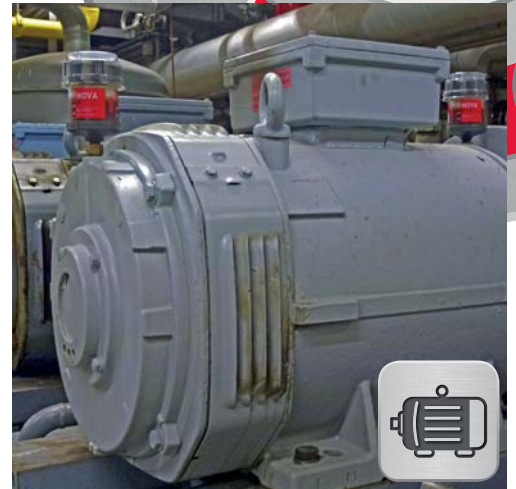
We can help!
Your perma SERVICE Team at
perma-tec or your local perma dealer.



Electric motors

perma NOVA is ideal for electric motor lubrication. The system is Ex-proof certified and can be used in areas where explosive atmospheres may occur. The lubricant is dispensed precisely and is distributed evenly on the bearing while the motor is running. Machine downtimes and workplace accidents can be drastically reduced.

- ✓ **Precise lubrication** for electric motors which require very little lubricant
- ✓ **Minimizes bearing heating** since lubrication takes place while the motor is running
- ✓ Compact size requires **little mounting space**



Blowers / Fans

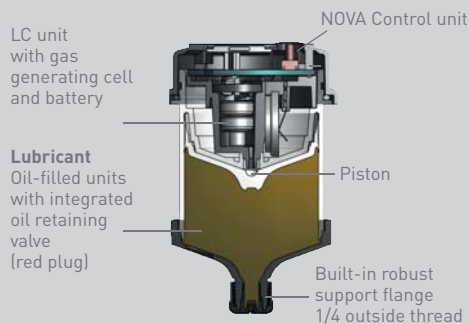
perma NOVA lubricates drive shaft bearings and seals of blowers and fans. Roller bearings and seals of pillow block housings and bearing arrangements must be permanently lubricated in order to seal them against dust and other contaminants leading to equipment failure.

- ✓ **Precise and continuous lubrication** for equipment operating at fluctuating temperatures
- ✓ Different settings allow an **exact adjustment of the lubricant amount** to meet lube-point specifications
- ✓ Safe lubrication in potentially **explosive areas**



Technical data

Drive – reusable
Electrochemical reaction via gas generating cell
Electronic temperature compensation
Discharge period
1, 2, 3, ... 12 months
Lubricant volume
65 cm³ (also available with 130 cm³)
Operating temperature range
-20 °C to +60 °C
Pressure build-up
Max. 6 bar
Protection class
IP 65
Lubricants
Grease up to NLGI 2 / Oil



Dimensions
LC 65: Ø 65 x 100 mm



- Continuous lubricant discharge during the entire discharge period
- Intelligent electronics to control gas generation and pause time
- Reusable NOVA Control unit for two LC sizes (65 and 130 cm³)



I M1 Ex ia I Ma
II 2G Ex ia IIC T4 Gb
II 2D Ex ia IIIC T135°C Db
ZELM 09 ATEX 0420 X
-20 °C ≤ Ta ≤ +60 °C



Ex ia I Ma
Ex ia IIC T4 Gb
Ex ia IIIC T135°C Db
IECEX ZLM 09.0013X

