

perma NOVA

The first temperature independent electrochemical lubrication system



NEW



I M1 Ex ia I
II 2G Ex ia IIC T6
II 2D EX iaD 21 T80°C
ZELM 09 ATEX 0420 X
-20 °C < TA < +60 °C



I M1 Ex ia I
II 2G Ex ia IIC T6
II 2D EX ia IIIC T80°C
IEC Ex ZLM 09.0013X



For applications with high variations in temperature

perma NOVA can be used for all applications that are within a temperature range of -20 °C up to +60 °C (-4 °F up to +140 °F). A discharge period of 1 to 12 months can be easily programmed by pushing the selection button on the NOVA control unit. A built-in 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 filled with 130 cm³ of grease or oil, and a protection cover.

perma[®]

Application



perma NOVA is especially suitable for single-point lubrication of roller and sliding bearings, shaft seals and chains located in areas with considerable temperature variations (e.g. food industry) or where intrinsic safety is a requirement (e.g. oil and gas industry).



Product characteristics

Advantages

Benefits

Electronic control unit with integrated temperature compensation →

- Temperature independent discharge during the entire discharge period
- Quick first discharge (within one day)
- Reusable control unit

- Ambient temperature does not need to be taken into consideration when setting the discharge period

LED display with push button control →

- Discharge settings from 1 to 12 months
- Discharge period can be changed anytime
- Discharge setting and function is always displayed

- Simple handling and setting adjustment
- Broad range of dispensing rate settings to suit equipment demands or planned maintenance cycles

Application temperature range from -20 °C to +60 °C (-4 °F up to +140 °F) →

- Developed for applications with considerable temperature variations

- Discharge is not influenced by temperature changes

Intrinsically safe →

- Can be used in areas where explosive atmospheres may occur (refer to Ex-certification on opposite page)

- Provides higher performance capabilities at sites which require intrinsically safe equipment

IP 65 protection

- Dust and water jet proof

- Reliable operation in critical areas

Technical data

Housing

Transparent plastic

Drive

Electrochemical reaction via gas generating cell
Electronic temperature compensation

Discharge period

1, 2, 3, ..., 12 months

Lubricant volume

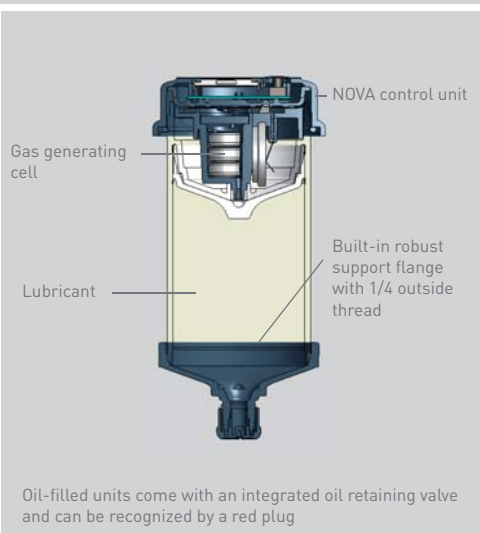
130 cm³

Application temperature

-20 °C up to +60 °C (-4 °F up to +140 °F)

Pressure build-up

Max. 6 bar



NOVA control unit can be reused several times



Cover for protection during transport and against dust and dirt