

perma NOVA

The first temperature compensating electrochemical lubrication system

NEW



Ex ia I Ma
ANZEx 10.2007X
-20 °C ≤ Ta ≤ +60°C



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 IIC T80°C
IEC Ex ZLM 09.0013X



For applications with high variations in temperature

perma NOVA can be used for applications that are within a temperature range of -20 °C up to +60 °C. A discharge period of 1 to 12 months can be easily programmed by pushing the selection button on the NOVA control unit. A temperature sensor regularly 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 lubricant and a protection cover.

perma[®]

Application



perma NOVA is especially suited to single-point lubrication of rolling element bearings, seals and chains located in areas with considerable temperature variations or where intrinsic safety is a requirement (as in the oil and gas industry). The lubrication system is dust-tight and protected against water jets.



Characteristics

- Intelligent gas generation which adapts lubricator performance to the temperature of the operating environment
- Transparent housing allowing inspection of the lubricant piston position
- Integrated support flange to protect against accidental damage
- Separate Control Unit providing time settings from 1 to 12 months
- Higher pressure delivery compared to CLASSIC and FUTURA
- Certified as intrinsically safe
- Lubricates a single point with greases up to NLGI 2 or oils

Benefits

Provides an accurate lubrication solution for operating environments which require intrinsically safe products

- Provides accurate lubricant delivery across a broad range of settings in extreme temperature environments
- Simple to set, install and maintain with a highly intuitive operating menu.

Extends Equipment Service Life

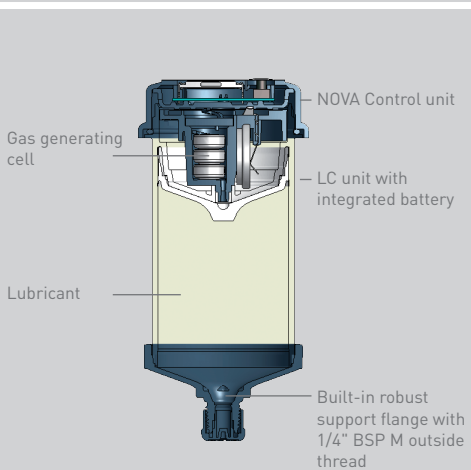
- Lubricates equipment while it is running to provide optimal lubricant exchange
- Delivers gradual purge of fresh grease to labyrinth and taconite seals to prevent the ingress of contaminants

Safer lubrication option compared to manual greasing

- Reduces manual work load by automating an otherwise laborious manual process
- Continues to lubricate without the need for shutdown and isolation
- Provides the option for conservative remote mounting, up to 1 meter from the lubrication point

Technical data

- Housing
Transparent plastic
- Drive - reusable
Gas generating cell
- Discharge period
1, 2, 3... through to 12 months
- Lubricant volume
130 cm³
- Operating temperature
-20 °C to +60 °C
- Protection class
IP 65
- Remote installations
1 meter of 3/8" ID line (grease)



Oil-filled units come with an integrated oil retaining valve and can be recognized by a red plug.



Cover for protection during transport and against dust and dirt. Recommended for all installations.