

perma NOVA

The first temperature-independent, electrochemical lubrication system



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

ANZEx



For application areas with high temperature fluctuations

perma NOVA can be used in all application areas between -20 °C and +60 °C. A discharge period from 1 to 12 months can be entered via the setting button on the NOVA Control unit. Taking into account the ambient temperature, the control unit then calculates the required quantity of gas for constant and reliable discharge. perma NOVA consists of a reusable control unit, a NOVA LC filled with grease or oil and a protective cover. NOVA LC is available in sizes of 65 cm³ and 125 cm³.

perma

Applications / machine elements



perma NOVA was specifically developed for single-point lubrication of roller and sliding bearings, sliding guides, open gears, gear racks, shaft seals and chains located in areas with considerable temperature variations (e.g. outside installations). The lubrication system is protected against dust and water jets, subject to correct assembly of the individual parts (IP 65). perma NOVA with LC 65 cm³ is ideal for the lubrication of electric motors.



Product characteristics

Benefits



Electronic control unit with temperature compensation shows discharge period/operating status

LCD display and push button setting: 1, 2, 3 ... 12 months

- Discharge period setting independent of ambient temperature
- Accelerated pressure build-up for first discharge within one day
- Simple and safe handling
- Reusable NOVA Control unit



System operates reliably from -20 °C to +60 °C

- Universal use both in cold areas and at higher temperatures
- Temperature compensation permits use with heavily fluctuating ambient temperatures
- Stable threaded connection through integrated support flange



Ex-proof certification IP 65

- Safe and reliable lubrication in explosive areas
- Dust-tight and protected against water jets
- Increased workplace safety

Technical data

Drive – reusable
Electrochemical reaction via gas generating cells with electronic temperature compensation

Discharge period
1, 2, 3 ... 12 months

Lubricant volume
65 cm³ or 125 cm³

Operating temperature
-20 °C to +60 °C

Pressure build-up
Max. 6 bar

Protection class
IP 65

Standard & special lubricants
Greases up to NLGI 2/oils

