perma NOVA

The first temperature-independent, electrochemical lubrication system

For applications with high temperature fluctuations

perma NOVA can be used in all application areas from -20 °C to +60 °C. A discharge period from 1 to 12 months can be entered via the setting button on the NOVA Control unit. The control unit then calculates the required quantity of gas for constant and reliable discharge while taking into account the ambient temperature. 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 65 cm³ and 125 cm³. 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 (IP65). perma NOVA with LC 65 cm³ is ideal for the lubrication of electric motors.

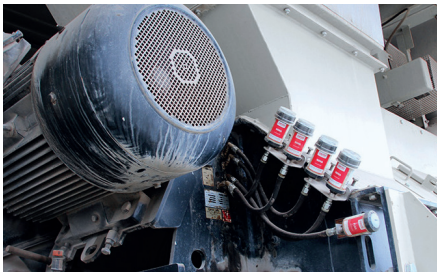
More about our perma products
can be found on our website *www.perma-tec.com*

I M1 Ex ia I Ma
II 2G Ex ia IIC T4 Gb
II 2D Ex ia IIIC T135°C Db

ANZEx

MADE IN **GERMANY**

The Expert in Lubrication Solutions



PRODUCT CHARACTERISTICS

ELECTRONIC CONTROL UNIT WITH TEMPERATURE COMPENSATION

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 TO +60 °C

Universal use at both low and higher temperatures

Temperature compensation permits use with heavily fluctuating ambient temperatures

Extremely robust due to integrated support flange

EX-PROOF CERTIFICATION

Safe and reliable lubrication in explosive areas

IP 65: Dust-tight and protected against water jets

Increased workplace safety

TECHNICAL DATA

Drive - reusable
Electrochemical reaction from gas generating cells with electronic temperature compensation

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

Lubricant volume
65, 125 cm³ | 2.20, 4.23 oz

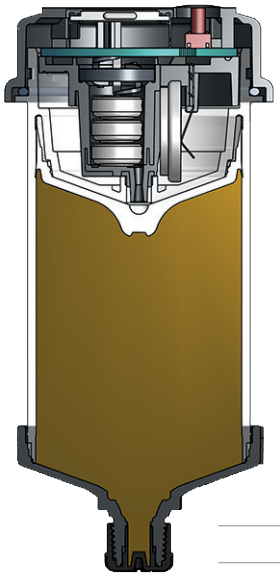
Operating temperature
-20 °C to +60 °C | -4 °F to +140 °F

Pressure build-up
Max. 6 bar | 87 psi

Protection class
IP 65

Standard & special lubricants
Greases up to NLGI 2 | Oils

Dimensions
LC 65: Ø 65 x 101 mm
LC 125: Ø 65 x 132 mm



NOVA Control unit (PA GF)

NOVA LC with gas generator and battery

Piston

Transparent housing (PA)

Lubricant

Integrated support flange (PA GF)

Oil-filled units (PA) feature an integrated oil retaining valve (red plug)

Outside thread R1/4

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