

# perma FLEX

The flexible lubrication system in two compact sizes



II 1G Ex ia IIC T6  
II 1D Ex iaD 20 T85°C  
I M1 Ex ia I



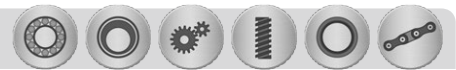
TIIS



## Flexible use – even on lubrication points with challenging requirements

perma FLEX is a compact, ready-to-use lubrication system supplied as a complete unit. It can be used in various types of applications at temperatures ranging from -20 °C to +60 °C. Discharge period setting is freely adjustable from 1 to 12 months. The required pressure is developed via an electronically controlled chemical reaction. The lubrication point is continuously supplied with fresh lubricant throughout the selected discharge period. perma FLEX is available in sizes 60 cm<sup>3</sup> and 125 cm<sup>3</sup>.

**perma**



perma FLEX is suitable for single-point lubrication in all types of applications. It fulfils the requirements of IP 68 (ingress of water/contamination) and functions reliably in extremely dusty and moist environments. It can furthermore be used at various temperatures, also outdoors. Discharge can be suspended if required. The discharge period can also be adjusted after activation.



## Product characteristics

## Benefits



**All-in-one system with rotary switch for discharge period setting:**  
1, 2, 3 ... 12 months

- System is supplied fully mounted and is ready to use immediately
- Easy setting and activation using rotary switch
- Discharge period can be regulated from 1–12 months in monthly steps



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

- Flexible use in various temperature ranges
- Year-round outdoor use possible



**Ex-proof certification FM approval IP 68**

- Safe and reliable lubrication in explosive areas
- Can be used in very moist and dusty environments
- Increased workplace safety

## Technical data

Drive

**Electrochemical reaction via gas generating unit**

Discharge period at +20 °C/  
perma Multipurpose grease SF01

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

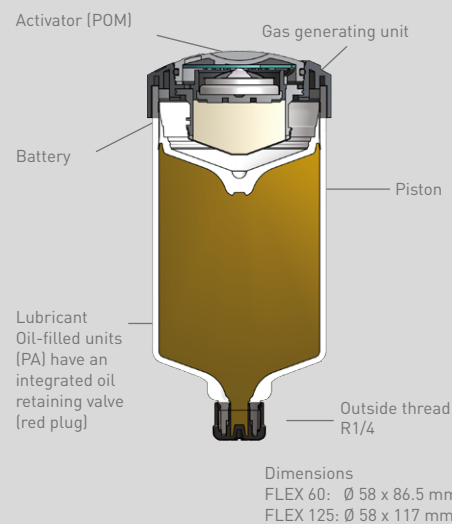
Lubricant volume  
**60 cm<sup>3</sup> or 125 cm<sup>3</sup>**

Operating temperature  
**-20 °C to +60 °C**

Pressure build-up  
**Max. 5 bar**

Protection class  
**IP 68**

Standard & special lubricants  
**Greases up to NLGI 2/oils**



### Discharge period setting in months:

Reference values for emptying without counter pressure using NLGI 2 lubricant.

Grease residues possible at temperatures >+40 °C and discharge periods >6 months.



	1	3	6	9	12
at -20 °C	2	5	10	13	15
at 0 °C	1.3	3.8	7.2	11	13
at +20 °C	1	3	6	9	12
at +40 °C	0.8	2.5	5.2	7.5	10
at +60 °C	0.6	2	4	-	-