

# perma FUTURA

Transparent housing with fill level indication

**NEW**  
→ contains 120 cm<sup>3</sup>



I M2 c X  
II 2G c IIC T6 X  
II 2D c T80°C X  
0 °C ≤ Ta ≤ +40 °C



## For high corrosion, high humidity and high contamination environments

perma FUTURA is the ideal automatic lubrication system for areas that require hygiene or for harsh operating conditions which may lead to corrosion of metal lubricators or electronic systems. Its reliable operating principle is based on an electrochemical reaction. The lubrication period is determined by color coded activator screws. Depending on your application's requirement, you may choose to discharge 120 cm<sup>3</sup> in a period of 1, 3, 6 or 12 months. The activator screw generates pressure (max. 4 bar) which moves the piston forward and continuously injects small lubricant amounts into the lubrication point.

**perma**<sup>®</sup>

# Application



perma FUTURA is suitable for single-point lubrication of roller- and sliding bearings, sliding guides, open gears, gear racks, spindles, shaft seals and chains. This lubrication system is ideal for areas that must be kept hygienically clean. Due to its resistance to corrosion it is especially suited for applications in the food industry.



Product characteristics	Advantages	Benefits
Transparent, non-corrosive plastic housing with integrated support flange Fully water and dust proof →	<ul style="list-style-type: none"> <li>- Shows remaining lubricant quantity</li> <li>- Ideal for corrosive environments</li> <li>- Ensures compliance with hygiene / environmental regulations</li> </ul>	<ul style="list-style-type: none"> <li>- Users can easily monitor the position of the lubricant delivery piston</li> <li>- Can be used in areas with harsh operating conditions and in hygienically sensitive areas</li> </ul>
Permanent supply of lubrication points with the correct amount of lubricant →	<ul style="list-style-type: none"> <li>- Discharges small amounts in short intervals</li> <li>- Reliable discharge for lubrication points that require little to moderate pressure at medium operating temperatures</li> </ul>	<ul style="list-style-type: none"> <li>- Prevents accidental grease contamination</li> <li>- Less lubricant consumption and material costs</li> </ul>
Automatic lubrication with fresh, clean lubricant Remote mounting with flexible tubing possible →	<ul style="list-style-type: none"> <li>- Less time needed for maintenance runs</li> <li>- Lubricates equipment during operation</li> <li>- Reduces wear / prevents contamination</li> <li>- Can be mounted up to 3 meters away from dangerous areas</li> </ul>	<ul style="list-style-type: none"> <li>- Less workplace accidents</li> <li>- Uninterrupted operation</li> <li>- Reduces maintenance costs</li> <li>- Extends equipment service life</li> <li>- Increases workplace safety</li> </ul>
Ex-proof certification →	<ul style="list-style-type: none"> <li>- Can be used in areas where explosive atmospheres may occur</li> </ul>	<ul style="list-style-type: none"> <li>- Safe and reliable lubrication in dangerous areas</li> </ul>

# Technical Data

Housing  
**Transparent plastics**

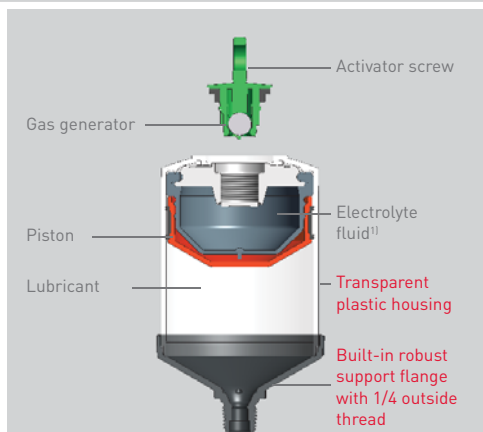
Drive  
**Electrochemical reaction**

Discharge period at 20 °C with SF01  
**1, 3, 6 or 12 months**

Lubricant volume  
**120 cm<sup>3</sup>**

Operating temperature  
**0 °C to +40 °C**

Pressure build-up  
**Max. 4 bar**



### Discharge period in months:

Time between activation and first discharge: **1 day**

120 cm <sup>3</sup>				
at 0 °C	4	8	15	>18
at +10 °C	2	5	8	18
<b>at +20 °C</b>	<b>1</b>	<b>3</b>	<b>6</b>	<b>12</b>
at +30 °C	0.8	2	3	6
at +40 °C	0.6	1	2	3

The new perma FUTURA works with all perma CLASSIC activator screws

To select the most suitable activator screw → go to product catalog page 46

→ Refer to product catalog page 35 for perma Lubricants and accessories incl. part number

<sup>1)</sup> environmentally friendly citric acid

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