

The Intelligent Lubrication System



perma[®]
PRO

Characteristics

⇒ Your Advantages



High operating pressure
up to 25 bar / 360 psi

⇒ Wide range of remote applications
Variety of lubricants available

Large temperature range
of -20 °C to +60 °C
(-4 °F to +140 °F)

⇒ For extreme applications
inside as well as outside

Sturdy metal housing

⇒ Solid lubrication system

Variable discharge settings
1 day to 24 months

⇒ Precise lubricant amount
over long periods

Two LV-units
250 ccm or 500 ccm

⇒ High variability

Battery operated,
stand-alone lubrication system

⇒ No external power supply needed

Two push buttons with display in
menu format

⇒ Easy to operate

Visible piston and LED-Display

⇒ Quick visual control and exact
information about remaining
lubricant and settings

Lubricant in the reservoir is not
under pressure

⇒ No bleeding of the grease and
therefore no loss of lubricant quality

Bayonet catch

⇒ User-friendly exchange of the
LV-units

Direct distributor MP-6

⇒ Powered and controlled by the
perma PRO
Lubricant is directly distributed
without any pressure loss
Information about each outlet via
the display

Connection for perma PRO TEC

⇒ Complete safety through lubrication
and monitoring of the lubrication
point
Temperature and vibration
increases are counter acted
with additional lubrication
Changes inside the bearing
are displayed

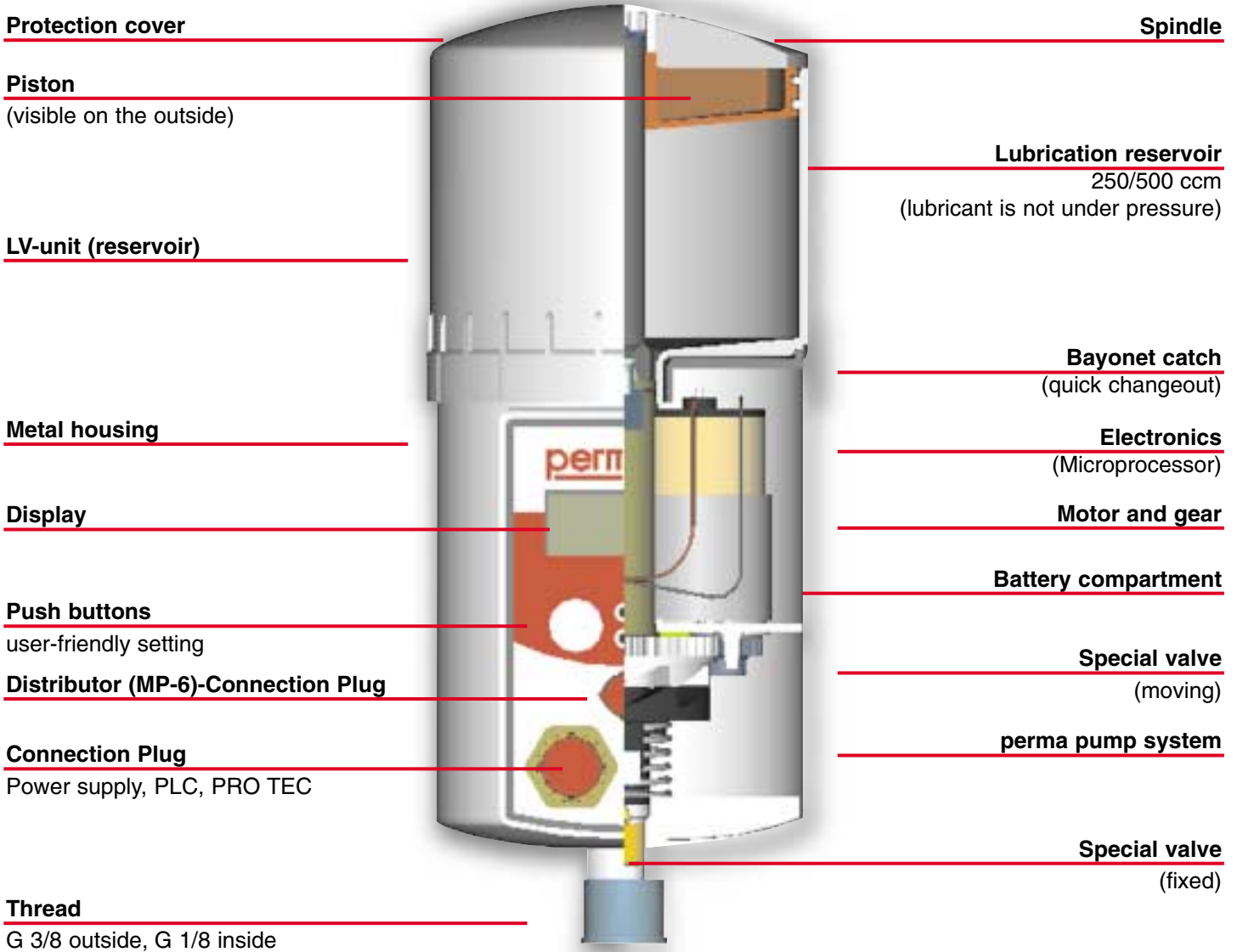
Compact and modern design

⇒ Little space required
Aesthetic



perma PRO with MP-6 (Distributor with 6 outlets)

PRO Lubrication System



MP-6 Distributor (Multi Point)





Single Point Lubrication System

perma PRO

- Battery operated lubrication system
- Lubrication volumes 250 ccm or 500 ccm
- Discharge periods adjustable from one day up to 24 months

perma PRO C

- Machine controlled lubrication system
- Lubrication volumes 250 ccm or 500 ccm
- Communication with PLC

Multi Point Lubrication System

perma PRO and perma PRO C with MP-6

- Lubrication systems PRO and PRO C with direct distributor MP-6 as multipoint lubrication system
- 2 - 6 outlets may be chosen
- Direct distribution of the lubricant without pressure loss
- Evaluation of each individual outlet



Safety Lubrication System

perma PRO and perma PRO C with PRO TEC

- The PRO and PRO C used as single- or multipoint lubrication systems, combined with the condition monitoring system PRO TEC, make up a complete safety package for critical lubrication points.



Application Areas



Automobile Industry

- Design oriented
- Modern
- Flexible

Mining Industry / Quarries

- Traditional
- Solid
- Powerful
- Rugged



Paper Industry

- Informative
- Clean
- Progressive



Operation Areas

- **Roller and Sliding Bearings**
i.e. motors, generators, pumps, fans
- **Linear units**
i.e. robots

Steel Industry

- Solid
- Extreme temperatures
- High stability



Wind Energy

- Environment conscious
- Next generation
- Continuous lubrication
- Reliable



Technical Data

Drive	Electromechanical ramp pump with automatic force-filling	
Pressure build-up	max. 25 bar / 360 psi	
Temperature range	-20 °C to +60 °C (-4 °F to +140 °F)	
Lubricants	Grease up to consistency class NLGI2	
Lubricant volumes	250 ccm or 500 ccm	
Discharge periods	1 day to 24 months	
Operation	Push buttons with LED-display	
Display	Remaining lubricant level in %, discharge period, low-temperature display, additional LED-function display (green, red)	
Power supply	Battery 3V, PLC12 ... 30 V DC	
Material	Drive LV-unit MP-6 Metal housing made of zinc die-casting Transparent plastic Metal housing made of zinc die-casting	
Measurements	250 ccm	500 ccm
	210 x ø 92 mm	260 x ø 92 mm
Weight with standard grease	250 ccm	500 ccm
	1.55 kg	1.75 kg
Connecting thread	G 3/8 outside - G 1/8 inside	
Accessories	Bracket, add-on parts, high pressure tube etc.	

