

# perma ULTRA

High pressure output with weekly and monthly time setting options



## Bluetooth-enabled lubrication system with high pressure build-up and wide temperature range

perma ULTRA is a fully automatic lubrication system, independent of temperature and counter pressure with a very precise discharge. With three cartridge sizes, pressure build-up to 50 bar and options of weekly and monthly time settings, perma ULTRA is an extremely versatile and capable lubrication system suited to a wide range of applications which demand high lubrication rates and where long remote grease lines are necessary to ensure safe access, e.g. drag conveyors, shaker screens, rotary kilns and belt conveyors.

**perma**

## Applications



**Industry:** Quarrying industry  
**Application:** Shaker screen



**Industry:** Quarrying industry  
**Application:** Belt conveyor



**Industry:** Sewage treatment plants  
**Application:** Rotary screen

## Product characteristics



### Bluetooth functionality

Allows simplified operation via perma CONNECT APP

- Bluetooth functionality as standard
- Configure, control and maintain remotely
- Increase of work safety
- Real-time lubricator function and feedback



### Pressure build-up, to 50 bar

System operates reliably from -40 °C\* to +60 °C

### Remote mounting

- High pressure capability benefits, e.g. applications on gravity take-ups or where long remote grease lines are necessary
- Universal use both in cold areas and at higher temperature
- Wide remote installation options to improve workplace safety by installing the systems at safe and easy-to-access locations



### LCD display with backlighting and push button operation

Setting:  
1, 2, 3 ... 12 months  
1, 2, 3 ... 26 weeks

- Straightforward, single-button operation
- Precise settings according to requirements prevent lubrication starvation and over-lubrication
- Various dispensing rate options - extended maintenance intervals

## Technical data

Drive – reusable  
**Electromechanical drive with Battery pack ULTRA / Battery pack ULTRA low temperature**

Discharge period  
**1, 2, 3 ... 12 months / 1, 2, 3 ... 26 weeks**

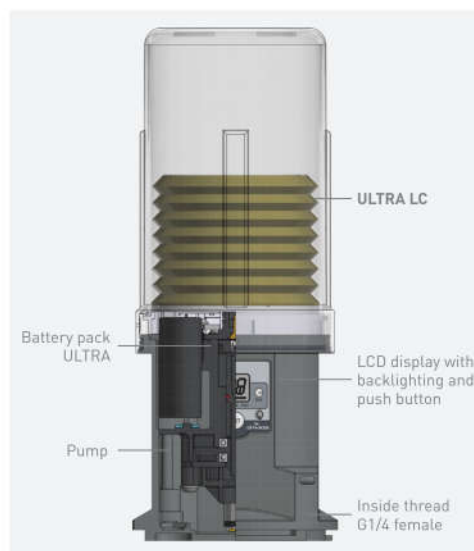
Lubricant volume  
**500 cm<sup>3</sup>, 750 cm<sup>3</sup> or 1,000 cm<sup>3</sup>**

Operating temperature\*  
**-40 °C to +60 °C**

Continuous pressure build-up  
**Up to 50 bar**







Protection class  
**IP 67 / IP 65**

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








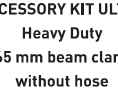

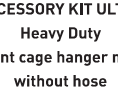


\*To achieve functionality below -20° C / 4° F, Battery pack ULTRA low temperature (lithium) must be used. Only to be used with suitable low temperature lubricants!

## perma ULTRA Components & Accessories

<b>Drive</b>		<b>perma ULTRA Drive with Cover</b> Art. No. 116159		For extreme operating conditions: <b>Protection cap ULTRA Heavy Duty (plastic)</b> Art. No. 116149
<b>Power supply</b>		<b>Battery pack ULTRA</b> Art. No. 116147	+	or
				<b>Battery pack ULTRA low temperature</b> Art. No. 116148
<b>LC (= Lubricant Cartridge)</b>		or		+
				or
<b>Grease</b>	<b>perma ULTRA LC 500 cm³</b>	<b>perma ULTRA LC 750 cm³</b>	<b>perma ULTRA LC 1,000 cm³</b>	
perma Multipurpose grease SF01	116170	116180	116190	
perma Extreme pressure grease SF02	116171	116181	116191	
perma High temp. grease SF03	116172	116182	116192	
perma High performance grease SF04	116173	116183	116193	
perma High temp. / Extreme pressure grease SF05	116174	116184	116194	
perma Liquid grease SF06	116175	116185	116195	
perma High speed grease SF08	116176	116186	116196	
perma Multipurpose bio grease SF09	116177	116187	116197	
perma Food grade grease H1 SF10	116178	116188	116198	

ReOrder

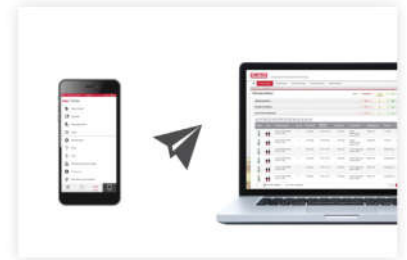
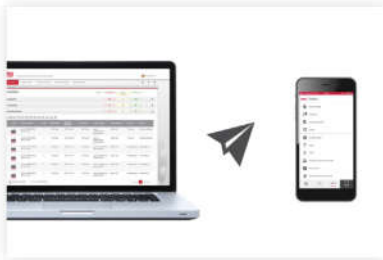
<b>MOUNTING TYPE</b>		<b>Beam clamp 65 mm</b>		<b>Cage hanger arm</b>
<b>ACCESSORY KITS</b>		<b>ACCESSORY KIT ULTRA Standard Duty</b> 1-point 65 mm beam clamp mount without hose Art. No. 116335		<b>ACCESSORY KIT ULTRA Heavy Duty</b> 1-point 65 mm beam clamp mount without hose Art. No. 116337
	[1 x Mounting bracket ULTRA, 2 x Beam Clamp 65 mm, 2 x Hose connector 9/16"-18 UNFi JIC male with union nut for Extreme Heavy Duty hose øØ 11.8 mm, 2 x Hexagon-nipple 9/16 JIC male x R1/4 male straight for tube connection, 1 x Reducer G1/8 male x G1/4 female, 1 x Reducer M10x1 male x G1/4 female, 1 x Angle 90° R1/4 male x 9/16 JIC male]	[1 x Mounting bracket ULTRA, 1 x Protection cap ULTRA Heavy Duty, 2 x Beam Clamp 65 mm, 1 x T-Adapter 2 x G1/4 female x R1/4 male, 1 x Hydraulic-type lubricating nipple R1/4, 2 x Hose connector 9/16"-18 UNFi JIC male with union nut for Extreme Heavy Duty hose øØ 11.8 mm, 2 x Hexagon-nipple 9/16 JIC male x R1/4 male straight for tube connection, 1 x Reducer G1/8 male x G1/4 female, 1 x Reducer M10x1 male x G1/4 female, 1 x Angle 90° R1/4 male x 9/16 JIC male]		<b>ACCESSORY KIT ULTRA Standard Duty</b> 1-point cage hanger mount without hose Art. No. 116336
	[1 x Mounting bracket ULTRA, 2 x Cage hanger arm, 2 x Hose connector 9/16"-18 UNFi JIC male with union nut for Extreme Heavy Duty hose øØ 11.8 mm, 2 x Hexagon-nipple 9/16 JIC male x R1/4 male straight for tube connection, 1 x Reducer G1/8 male x G1/4 female, 1 x Reducer M10x1 male x G1/4 female, 1 x Angle 90° R1/4 male x 9/16 JIC male]		<b>ACCESSORY KIT ULTRA Heavy Duty</b> 1-point cage hanger mount without hose Art. No. 116338	[1 x Mounting bracket ULTRA, 1 x Protection cap ULTRA Heavy Duty, 2 x Cage hanger arm, 1 x T-Adapter 2 x G1/4 female x R1/4 male, 1 x Hydraulic-type lubricating nipple R1/4, 2 x Hose connector 9/16"-18 UNFi JIC male with union nut for Extreme Heavy Duty hose øØ 11.8 mm, 2 x Hexagon-nipple 9/16 JIC male x R1/4 male straight for tube connection, 1 x Reducer G1/8 male x G1/4 female, 1 x Reducer M10x1 male x G1/4 female, 1 x Angle 90° R1/4 male x 9/16 JIC male]
<b>INSTALLATION KITS including hose</b>		<b>INSTALLATION KIT ULTRA Standard Duty</b> 1-point 65 mm beam clamp mount incl. 5 m hose Art. No. 116339		<b>INSTALLATION KIT ULTRA Heavy Duty</b> 1-point 65 mm beam clamp mount incl. 5 m hose Art. No. 116341
	[same as above + 5 m Extreme Heavy Duty hose up to +100 °C øØ 11.8 mm x iØ 6.4 mm]	[same as above + 5 m Extreme Heavy Duty hose up to +100 °C øØ 11.8 mm x iØ 6.4 mm]		<b>INSTALLATION KIT ULTRA Standard Duty</b> 1-point cage hanger mount incl. 5 m hose Art. No. 116340
	[same as above + 5 m Extreme Heavy Duty hose up to +100 °C øØ 11.8 mm x iØ 6.4 mm]	[same as above + 5 m Extreme Heavy Duty hose up to +100 °C øØ 11.8 mm x iØ 6.4 mm]		<b>INSTALLATION KIT ULTRA Heavy Duty</b> 1-point cage hanger mount incl. 5 m hose Art. No. 116342
	[same as above + 5 m Extreme Heavy Duty hose up to +100 °C øØ 11.8 mm x iØ 6.4 mm]	[same as above + 5 m Extreme Heavy Duty hose up to +100 °C øØ 11.8 mm x iØ 6.4 mm]	[same as above + 5 m Extreme Heavy Duty hose up to +100 °C øØ 11.8 mm x iØ 6.4 mm]	[same as above + 5 m Extreme Heavy Duty hose up to +100 °C øØ 11.8 mm x iØ 6.4 mm]



# perma CONNECT APP

The convenient solution for remote lubrication point management

Simple and intuitive - configure and maintain your perma ULTRA lubrication system via the new perma CONNECT APP.



perma Maintenance Lubrication Program (MLP) provides clear structures with details about perma ULTRA, which can be accessed via the perma CONNECT APP. The current status information is transferred to perma MLP for convenient access from your workplace.



### Turn on and off

A pop-up window will appear and will prompt you with an **OK** to turn the unit on or off.



### Locate

perma CONNECT APP sends a signal to the lubrication system. The display will flash very rapidly for 5 seconds.



### Purge

A pop-up window will appear and prompt you to start the purge cycle. You can interrupt the purge cycle anytime during the purge.



### History

Opens detailed information for selected lubrication system. A range of data is provided such as number of discharges and minimum temperatures.

Start now!



Registration for the perma CONNECT APP requires a free perma Maintenance Lubrication Program (MLP) web application account.



**Sign up now:**  
<https://mlp.perma-tec.com>

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