

SKF eLube – next generation lubrication systems

# Be smart. Be connected. Be prepared.

CLP pump – a new standard in lubrication performance



# SKF eLube – next generation lubrication systems

SKF eLube is a new generation of connected automatic lubrication solutions – a complete line of smart and user-friendly components that you combine in a system to best fit your needs. eLube can help you identify issues at a glance, track machine health data, get early warning of potential failures and take preventive action. Connect it to SKF Enlight Centre and receive machine performance insights based on data from both your lubrication system and your bearings. SKF eLube products are compact, fit-for-purpose and easy to integrate into your equipment.



## Availability and flexibility

The SKF eLube family offers a pre-selected range of packages to provide quick availability and flexibility for different demands and applications. You can either choose one of these packages or configure the eLube products according to your special needs.



## Cut costs by keeping track of your data

The integrated datalogging functionality of eLube products enables planned pump refills through pre-warning signals and refill indicators. This information can also help you identify maintenance issues to accept or reject warranty claims. By keeping track of lubrication data, you can ultimately reduce machine downtime.



## Easy to learn, quick to get started

You will find that eLube products are intuitive to install and configure. Easy-to-use interfaces help you set up the proper parameters and take appropriate action to solve issues.



## Reduce environmental impact

Automatic lubrication systems reduce the use of lubricants, resulting in decreased emissions of up to 2.2 kg CO<sub>2</sub> per kilogram of grease. With SKF eLube you can get an overview of your lubricant consumption, helping you take yet another step towards environmentally sound lubrication management.



## Safer operation

SKF eLube systems help you reduce the risk of accidents via remote monitoring of lubrication equipment without the need to access hazardous areas.

# A new standard in lubrication performance

## SKF Lincoln Compact Lubrication Progressive pump series CLP

The new pump series CLP is the first of the new SKF eLube generation. It works in small progressive lubrication systems. The lightweight, simple and easy-to-use pump stands out with its compact design and reliable functionality in mobile and industrial applications.

### Available now: CLP Basic and Basic Plus

Basic variants provide visual level monitoring, while Basic Plus models feature integrated empty-level monitoring and a manual lubrication button for mobile applications to start an extra lubrication cycle.

### To come during the next months:

#### Intuitive lubrication control

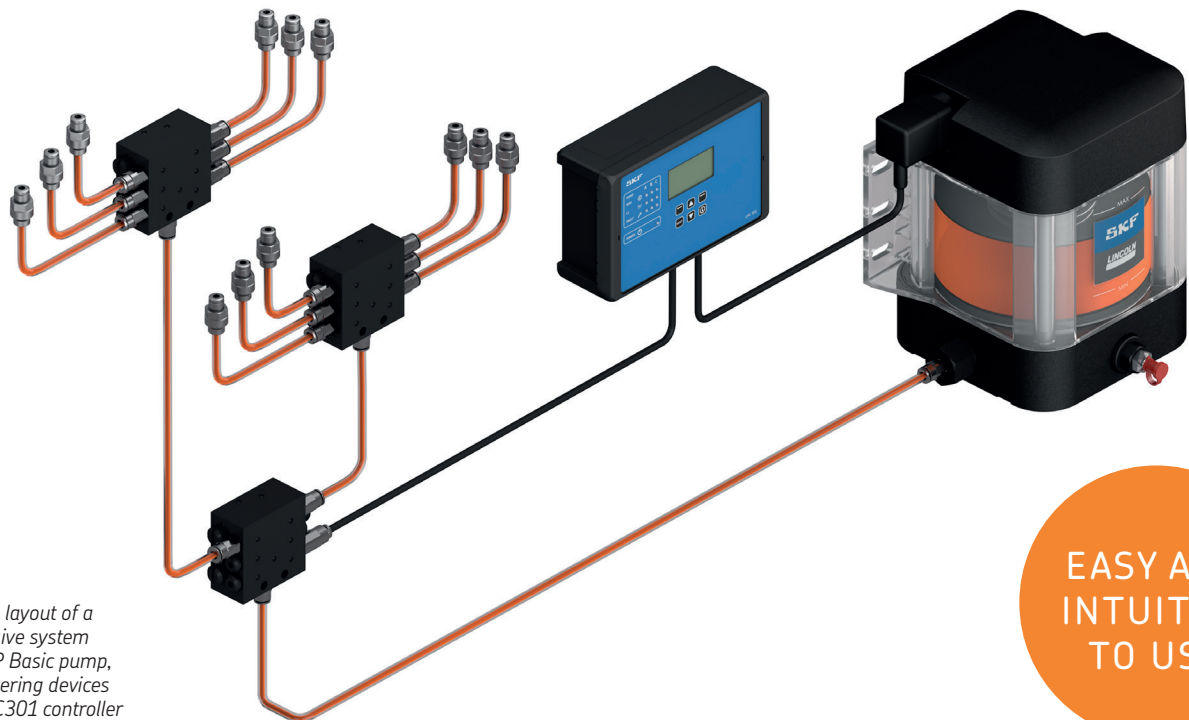
**CLP Touch** versions come with an intuitive touch control panel with datalogging functionality.

#### Remote monitoring at its easiest

**CLP Smart** pumps can remotely be monitored, controlled and set using the SKF eLube App.

#### Lubrication management at a glance

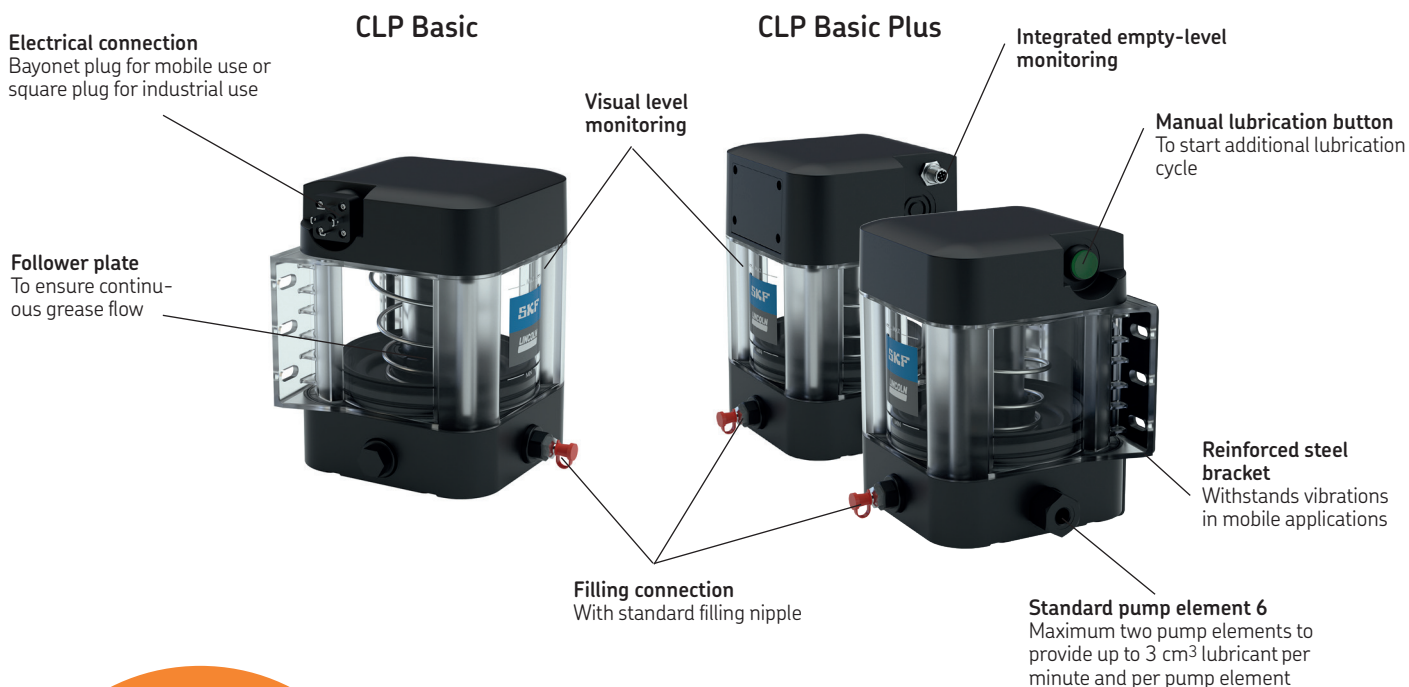
**CLP Online** versions connect to the SKF Enlight Centre. There a dashboard provides an overview of all connected pumps, allowing for fleet management in real time. CLP Online versions can be remotely controlled with the SKF eLube App.



*Example layout of a progressive system with CLP Basic pump, SSV metering devices and LMC301 controller*

EASY AND  
INTUITIVE  
TO USE

## CLP Basic / Basic Plus



THE NEW  
STANDARD IN  
LUBRICATION  
PERFORMANCE

All CLP models are suitable for fluid grease and grease applications and come with a follower plate to ensure continuous grease flow. To refill the pumps easily, they are equipped with a standard grease nipple at the bottom.

The fill level can be visually monitored at each pump model. Basic Plus variants feature integrated empty-level monitoring that informs the user before the pump runs out of lubricant. Both Basic and Basic Plus variants can be controlled via an external lubrication controller or the machine control system.

Basic Plus variants for mobile use come with a manual lubrication button to start an extra lubrication cycle. This helps to quickly check proper function of the system.

### CLP Basic / Basic Plus common main features

- Lubricant: greases NLGI 000 to 2
- Filling from bottom by grease nipple
- Visual-level monitoring
- Follower plate
- Control via external lubrication controller or machine control system
- Pump element 6 mounted on the right side, providing a delivery volume of ~3 cm³/min

### Features depending on model \*

- Power supply 12 / 24 V DC
- Additional electrical empty-level monitoring
- Additional manual lubrication button
- Electrical connections on the left side:
  - Bayonet plug, 7 pole A coded (power, signal and manual lubrication)
  - Bayonet plug, 4 pole A coded (power supply)
  - Square plug, A coded (power supply)
- Electrical connection on the right side:
  - M12x1, 4 pole A coded (signal output)
- Reinforced mounting bracket to withstand vibrations

\* Double check the description per model



## Pre-defined models make ordering easy and improve lead time

The easiest and fastest way to order the new CLP pumps is to choose a pre-defined package. By ordering a pre-defined, standard model, you get a fully equipped pump specifically configured for mobile or industrial use. These packages meet all standard requirements of these applications.



### CLP Basic 12 V for mobile use



**Material number CLP-EGXXX1-0000020**

- 12 V DC
- Compliance E1/ CE
- Pump element 6
- Reinforced mounting bracket

+ Bayonet plug, 4 pole A coded (power supply), on the left side



### CLP Basic 24 V for mobile use



**Material number CLP-EGXXX2-0000020**

- 24 V DC
- Compliance E1/ CE
- Pump element 6
- Reinforced mounting bracket

+ Bayonet plug, 4 pole A coded (power supply), on the left side



### CLP Basic 24 V for industrial use



**Material number CLP-XGXXX2-0000022**

- 24 V DC
- Compliance CE
- Pump element 6

+ Square plug, A coded (power supply), on the left side



### CLP Basic Plus 12V for mobile use



**Material number CLP-EG1XY1-0000021**

- 12 V DC
- Compliance E1/ CE
- Pump element 6
- Reinforced mounting bracket

+ Empty-level monitoring  
+ Bayonet plug, 7 pole A coded (power, signal and manual lubrication), on the left side  
+ Additional manual lubrication button mounted on the right side



### CLP Basic Plus 24V for mobile use



**Material number CLP-EG1XY2-0000021**

- 24 V DC
- Compliance E1/ CE
- Pump element 6
- Reinforced mounting bracket

+ Empty-level monitoring  
+ Bayonet plug, 7 pole A coded (power, signal and manual lubrication), on the left side  
+ Additional manual lubrication button mounted on the right side



### CLP Basic Plus 24V for industrial use



**Material number CLP-XG1XX2-0000023**

- 24 V DC
- Compliance CE
- Pump element 6

+ Empty-level monitoring  
+ Square plug, A coded (power supply), on the left side  
+ M12x1, 4 pole A coded (signal output) on the right side

## Spare parts / Additional components <sup>1)</sup>

Pump elements <sup>2)</sup>		Nominal output	
		cm <sup>3</sup> /min	in <sup>3</sup> /min
<b>600-78018-1</b>	Pump element L	0.57	0.03
<b>600-26875-2</b>	Pump element 5	1.90	0.12
<b>600-26876-2</b>	Pump element 6	3.04	0.19
<b>600-26877-2</b>	Pump element 7	4.18	0.26
<b>655-28716-1</b>	Pump element R	0.7-3.3	0.04-0.2
Adapters and closure screw <sup>2)</sup>			
<b>519-33840-1</b>	Adapter with lubrication fitting ST 1/4 NPTF		
<b>519-33959-1</b>	Adapter with lubrication fitting A2 AR 1/4		
<b>519-33955-1</b>	Adapter with lubrication fitting STAR 1/4		
<b>519-60445-1</b>	Closure screw M22x 1,5		
Pressure control valve			
<b>270864</b>	SVTSV-270-R1/4-1/8NPTFI-NIP00R-A		
<b>624-77803-1</b>	SVTSV-270-R1/4-6-NIP00L		
<b>624-77802-1</b>	SVTSV-270-R1/4-6-NIP00R		
Power cables			
<b>664-34167-9</b>	Bayonet socket, 4 pole with cable 10 m		
<b>664-34428-3</b>	Bayonet socket, 7 pole with cable 10 m		
<b>664-36078-7</b>	Square socket with cable 10 m (black)		
Others			
<b>5590-00000002</b>	Filling connection cartridge		
<b>5590-00000009</b>	Reinforcement bracket		
<b>5590-00000014</b>	Venting kit		

- <sup>1)</sup> The spare parts assemblies may be used exclusively for replacement of identical defective parts. Modifications with spare parts on existing products are not allowed. Exceptions to this are the pump elements and the optional filling connection.  
<sup>2)</sup> Gasket always included

## Technical data for all CLP Basic and Basic plus models

Function principle	Electrically operated lubrication pump	
Lubricants	Greases: NLGI 000 to NLGI 2	
Max. working pressure	270 bar	3 916 psi
Operating temperature	-25 to +65°C	-13 to +149°F
Usable reservoir volume	1 l	0.26 gal
Number of pump elements	max. 2	
Pump element <sup>1)</sup>	6	
Lubricant output <sup>2)</sup>	~3 cm <sup>3</sup> /min	
IP-protection class <sup>3)</sup>	IP 6K9K	
Corrosion class	C3	
Voltages	12 / 24 V DC	
Operating current	up to 3 A (max. peak), nominal 1,2 A	
Relative duty cycle	15% ED S3 30 minutes	
Electrical protection class	III	
Outlet connection	G1/4	
Mounting position	Any	
Dimensions depending on model (max. HxDxW)		
CLP Basic mobile	218.5×187×154.5 mm	8.6×7.36×6.08 in
CLP Basic industry	212×187×152 mm	8.34×7.36×5.98 in
CLP Basic Plus mobile	218.5×187×154.5 mm	8.6×7.36×6.08 in
CLP Basic Plus industry	235×187×152 mm	9.25×7.36×5.98 in
Weight (empty)	5 kg	11 lb

- <sup>1)</sup> Pump element 6 is included in the standard packages (→page 5).  
 Other pump elements can be ordered using the spare part / additional component list (→page 6/7)  
<sup>2)</sup> Lubricant output depending on pump element  
<sup>3)</sup> Protection class depending on electrical connection

## Comparison CLP model features

Material number	CLP Basic			CLP Basic Plus		
	CLP-EGXXX1-0000020	CLP-EGXXX2-0000020	CLP-XGXXX2-0000022	CLP-EG1XY1-0000021	CLP-EG1XY2-0000021	CLP-XG1XX2-0000023
Application	Mobile	Mobile	Industry	Mobile	Mobile	Industry
Voltage	12 V DC	24 V DC	24 V DC	12 V DC	24 V DC	24 V DC
Compliance	E1/CE	E1/CE	CE	E1/CE	E1/CE	CE
Reinforcement bracket	•	•	-	•	•	-
Visual level monitoring	•	•	•	•	•	•
Electrical empty-level monitoring	-	-	-	•	•	•
Manual lubrication button	-	-	-	•	•	-
Electrical connection left						
Bayonet plug	•	•	-	-	-	-
4 pole A coded (power)	-	-	-	•	•	-
7 pole A coded (power, signal, manual lubrication)	-	-	•	-	-	•
Square plug	-	-	•	-	-	•
A coded (power)	-	-	•	-	-	•
Electrical connection right						
M12×1 4 pole A coded (signal)	-	-	-	-	-	•
Grease NLGI 000 to 2	•	•	•	•	•	•
Standard filling from front	•	•	•	•	•	•
Follower plate	•	•	•	•	•	•
Pump element 6 (left)	•	•	•	•	•	•
Dimensions max. [mm]	218.5×187×154.5	218.5×187×154.5	212×187×152	218.5×187×154.5	218.5×187×154.5	235×187×152
Dimensions max. [in]	8.6×7.36×6.08	8.6×7.36×6.08	8.34×7.36×5.98	8.6×7.36×6.08	8.6×7.36×6.08	9.25×7.36×5.98

## How to order individually configured pump variants

	CLP	-	E	G	1	X	Y	1	-	X	3	F	X	-	Z	S	6	X	-	M	X	X	X	7	XX
<b>Pump type</b> CLP = Progressive																									
<b>Compliance</b> X = CE E = CE and E1																									
<b>Lubricant</b> G = Grease NLGI 000 to NLGI 2																									
<b>Electrical empty-level monitoring</b> X = Without (visual level monitoring) 1 = With electrical empty-level monitoring																									
<b>Control board equipment</b> X = Without internal control board																									
<b>Control element</b> X = Without panel or display Y = Without panel or display. With manual lubrication button (right) Z = Without panel or display. With manual lubrication button (left)																									
<b>Voltage</b> 1 = 12 V DC; 2 = 24 V DC																									
<b>Internal control mode</b> X = Without (controlled by external device)																									
<b>Corrosion class</b> 3 = C3																									
<b>Follower plate</b> F = With follower plate																									
<b>Filling from top</b> X = Without (standard filling from front)																									
<b>Outlet left / middle / right</b> Z = Closed; S = Lubrication nipple; L = Pump element L5; 5 = Pump element 5; 6 = Pump element 6; 7 = Pump element 7; R = Pump element KR K = Cartridge filling connection (screwable, M28x2 screw socket) Y = Cartridge filling connection (screwable, M26x1,5 screw socket)																									
<b>Crossporting</b> X = Without																									
<b>Reinforcement bracket</b> X = Without for low vibration applications; M = With bracket for high vibration applications																									
<b>Electrical connection top right / top left</b> X = Without; A = M12x1 (male, 4 pole, signal, A coded)																									
<b>Electrical connection bottom right / bottom left</b> X = Without; 4 = Bayonet (4 pole); 7 = Bayonet (7 pole); W = Square																									
<b>Lubricant pre-filling</b> XX = Without																									

### NOTE!

Pre-defined models make ordering easy and improve lead time. (→page 5)  
Individually configured pump variants need to be confirmed by SKF prior placing an order.



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