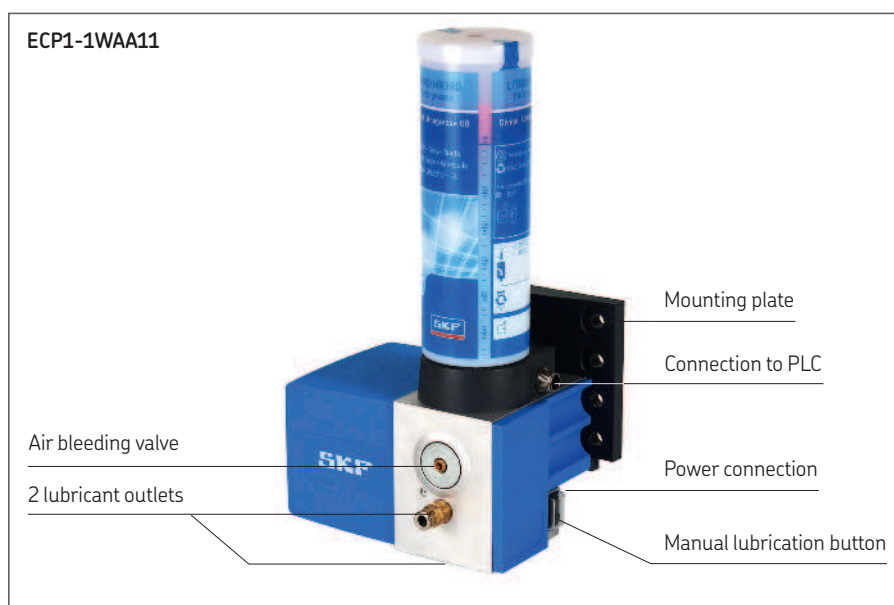


# Electric Cartridge Pump ECP

For reliable lubrication of small machines and automation systems using oil and fluid grease



The Electric Cartridge Pump ECP was developed to lubricate bearings and linear guides in small machines. It includes an integrated pressure-relief valve that enables its use in SKF MonoFlex single-line lubrication systems.

This electrically driven piston pump uses 24 V DC and is controlled by an external programmable logic controller (PLC) for convenience. In addition, the pump is capable of manually activating a lubrication cycle and can be used with an optional, integrated level switch to monitor the fill level of the cartridge.

Utilizing easy-to-exchange cartridges, it is compatible with oil viscosities from 20 to 1 500 mm<sup>2</sup>/s and fluid grease grades of NLGI 00 and 000.

The Electric Cartridge Pump ECP is a cost-effective, simple-to-operate lubrication solution, packaged in a modern, space-saving design.

The ECP works perfectly together with SKF single-line metering devices.

## Advantages:

- Cost effective
- Simple to operate
- Available with various lubricants
- Minimizes risk of using wrong or contaminated lubricant
- Increases reliability
- Reduces unplanned downtime
- Extends maintenance intervals
- Minimizes environmental impact via efficient use of lubricants

## Technical data

|                                   |  |                            |
|-----------------------------------|--|----------------------------|
| <b>Operating pressure</b>         | max. 38 bar                                    | max. 552 psi               |
| <b>Operating temperature</b>      | +10 to +50 °C                                  | 50 to 122 °F               |
| <b>Delivery volume</b>            |  |                            |
| Fluid-grease                      | 12 cm <sup>3</sup> /min                        | 0,73 in. <sup>3</sup> /min |
| Oil                               | 0,012 l/min                                    | 0,73 in. <sup>3</sup> /min |
| <b>Motor voltage</b>              | 24 V DC  |                            |
| <b>Protection class</b>           | IP 54  |                            |
| <b>Number of outlets</b>          | 1 or 2 (front and/or bottom)                   |                            |
| <b>Lubricants</b>                 |  |                            |
| Fluid-grease                      | NLGI 00, 000                                   |                            |
| Oil                               | Viscosity 20 to 1 500 mm <sup>2</sup> /s (cSt) |                            |
| <b>Capacity of the cartridges</b> | 380 ml   | 12,8 fl. oz.               |

## Dimensions

|                                   |                  |                    |
|-----------------------------------|------------------|--------------------|
| <b>Size (HxWxD)</b>               |                  |                    |
| without cartridge                 | 143x172x121 mm   | 5,63x6,77x4,76 in. |
| with 380 ml cartridge             | 307,5x172x121 mm | 12,1x6,77x4,76 in. |
| <b>Weight (without cartridge)</b> | 1 900 g          | 4,19 lbs           |
| <b>Mounting position</b>          | upright          |                    |

## How to order

### Order code Electric Cartridge Pump

**ECP 1 - 1 W A A 2 2 - 0 0 0 0 0 0**

#### Pump type

ECP = Electric Cartridge Pump

#### Output volume

1 = 12 cm<sup>3</sup>/min (grease)  
1 = 0,012 l/min (oil)

#### Version

1 = 1st version

#### Warning switch for minimum filling level

W = Warning level (pre-warning empty)  
0 = No warning switch

#### Wall bracket

A = With standard bracket  
0 = Without

#### Electric connection

A = Square plug following DIN EN 175301-803-A

#### Outlet port front

#### Outlet port bottom

Main line connection  
1 = Connection thread M10x1  
2 = Quick connector ø 6 mm  
3 = Banjo fitting ø 6 mm  
4 = Quick connector ø 8 mm  
X = Closed

#### Specification of the pre-filled cartridge

000000 = without cartridge, closed

F00138 = Zeller Gmelin Divinol Lithogrease 00, 380 ml

#### Order code pre-filled cartridge without ECP

Zeller Gmelin Divinol Lithogrease 00

380 ml LF001/MR380

#### Order example

##### ECP1-1WAA23-F00138

- Electric cartridge pump
- Output volume 12 cm<sup>3</sup>/min
- 1st version
- with warning switch
- with standard wall bracket
- with electric connector square plug
- with quick connector ø 6 mm, front
- with banjo fitting ø 6 mm, bottom
- with 380 ml cartridge Zeller+Gmelin Divinol Lithogrease 00