

Electrical Oil Pump

# EOP2

Electrically operated pump for EOS (electrical single-line oil system) chain lubrication applications



### Advantages:

- Precise, metered quantities of oil reduce wear on chain and drive
- Metered quantities can be selected to match chain size and length as well as operating parameters
- 5 litre reservoir provides extended filling intervals
- Push-in fittings provide quick and easy installation

Featuring an upgraded motor design, the Lincoln EOP2 pump is suitable for use with direct-operating, electrically driven, single-line centralized lubrication systems and delivers reliable performance at a competitive price. It is ideal for machines with chain drives and 12/24 V DC power supplies – e.g. agricultural equipment such as balers. A typical industrial application for this system is use on packaging machines, such as palletizers.

The metering elements are available for the EOP2 pump and supply the required oil quantity in time-controlled intervals to brushes that evenly apply the oil to the chain.

Each stroke of the pump charges the metering elements with a predetermined amount of oil and simultaneously supplies the previously charged oil quantity to the brushes. Thereby, all lubrication points receive the exact, metered quantity of oil that is required. As a result, wear caused by dust or dirt particles is minimized.

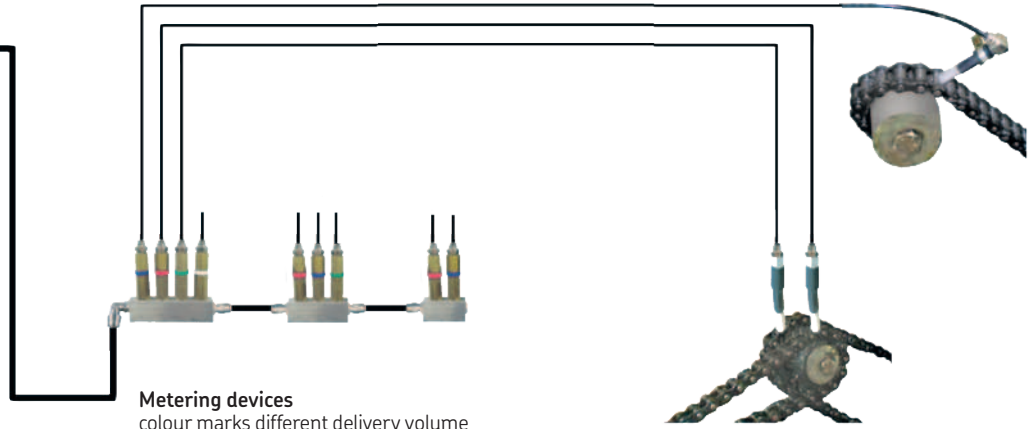
The required metered quantity of oil can be adjusted according to the working conditions and size and length of the chain. The frequency of the lubrication interval is determined by the degree of contamination potential to which the chain is subjected.

The metering range selection of 0,1, 0,3, 0,4 or 0,5 cm<sup>3</sup> provides versatility to ensure that requirements are met.

## EOS system



EOP2 pump



**Metering devices**  
 colour marks different delivery volume  
 white = 0,1 cm<sup>3</sup>/stroke  
 red = 0,3 cm<sup>3</sup>/stroke  
 green = 0,4 cm<sup>3</sup>/stroke  
 blue = 0,5 cm<sup>3</sup>/stroke

Brushes lubricate the chains

## Technical data

<b>Operating temperature</b>	-10 to +70 °C	+15 to +190 °F
<b>Operating pressure</b>	max. 4 bar	max. 58 psi
<b>Lubricants</b>	Mineral or biodegradable oils	
<b>Operating viscosity</b>	20–2 000 mm <sup>2</sup> /s	
<b>Delivery volume</b>	150 cm <sup>3</sup> /min	0,317 pt/min
<b>Reservoir capacity</b>	5 l	1 gal
<b>Weight (empty pump)</b>	4,4 kg	9 lb
<b>Protection class</b>	IP65	
<b>Connections / Outlets</b>		
Lubricant outlet	Push-in fittings Ø 8 mm	
Electrical connection	Deutsch-socket with 15 cm line	
<b>Power supply</b>	12 or 24 V DC	
<b>Size</b>	205 x 468 x 182,5 mm 8,07 x 18,4 x 7,18 in	
<b>Installation position</b>	Vertical, i.e. lubricant reservoir at top	

## How to order

Designation		Order code
Pump EOP	12 V DC	EOP2-04-05-1-1+912
Pump EOP	24 V DC	EOP2-04-05-1-1+924
<b>Accessories</b>		
Brushes	M8 x 1	452-70233-1
Dosage element EOE		
white	0,1 cm <sup>3</sup>	552-32397-1
red	0,3 cm <sup>3</sup>	552-32398-1
green	0,4 cm <sup>3</sup>	552-32399-1
blue	0,5 cm <sup>3</sup>	552-32400-1
Manifold		
2-fold		452-70235-1
3-fold		452-70236-1
4-fold		452-70237-1
5-fold		452-71284-1
Panel for manifold		307-19543-1
Lubrication lines		
PA 8,0 x 1,0		112-35255-4
PA 4,0 x 0,65		112-35255-3

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PUB LS/P2 16781 EN · November 2016