

CHARACTERISTICS

- **3 PUMP MODELS:**
 - 1-12 PUMP ELEMENTS
 - 1-24 PUMP ELEMENTS
 - 1-35 PUMP ELEMENTS
- **12V AND 24V VERSIONS**
- **12 TIMER SETTINGS**
- **6 DIFFERENT PUMP ELEMENT SIZES**
- **PUMP –TO–POINT CONCEPT IS EASY TO ENGINEER**
- **EASY TO INSTALL**
- **2 - 4 - 0,5 LITERS RESERVOIR**

APPLICATIONS

- **VEHICLE AND CHASSIS LUBRICATION**

THE COMPACT MULTI-OUTLET GREASE PUMP POLIPUMP WITH NRUN AUTOMOTIVE RUN ENABLE FUNCTION

The electrically driven **PoliPUMP NRUN** is the quick, simple and cost effective solution for lubricating up to 35 grease points without the need to design complex lubrication systems.

The **NRUN enabling** feature that connects the pump to the machine's ignition key allows the lubrication cycles to be synchronised directly with the switching on of the vehicle.

Furthermore, the version with a **0.5 reservoir** guarantees the possibility of being able to install the pump even in **small spaces**.

In just a few quick steps you can design and install an automatic centralized lubrication system for up to 35 lube points without any specialized engineering skills.

No external metering valves, cycle sensors are required. Just plug and pipe it in and you are ready to go.



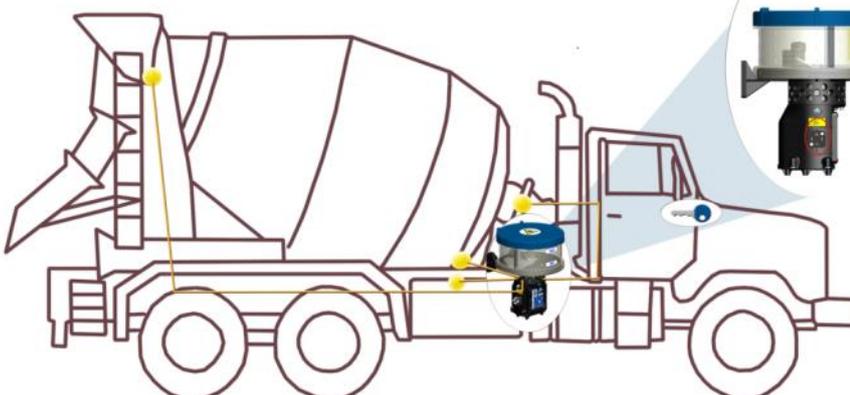
**SUPPLY UP TO 35 GREASE POINTS WITH ONE PUMP.
NO COMPLEX METERING VALVES OR SYSTEM DESIGN IS NECESSARY**

CAN BE USED STRAIGHT OUT OF THE BOX IN JUST A FEW QUICK STEPS:

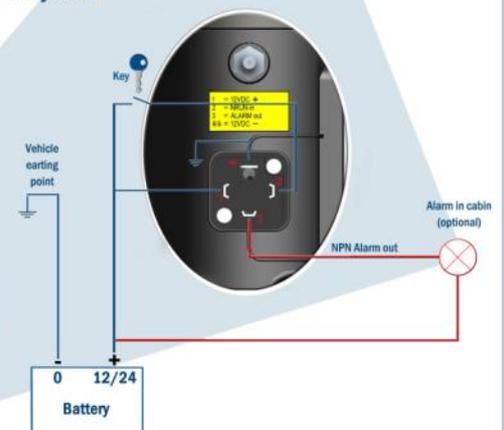
- Choose from a range of 6 different Pump Elements for each lubrication point;
- Screw the Pump elements into the Outlet Manifold block;
- Quickly connect the pump elements to the points with flexible tubing – thanks to push-in fitting on the pump element;
- Power up the unit and select one of the 12 timer settings.

The NRUN Version is equipped with RUN signal function that allows the pump to synchronise with the vehicle. This means that the PoliPUMP is only powered on when the ignition key of the vehicle is in the ON position.

Lubrication points



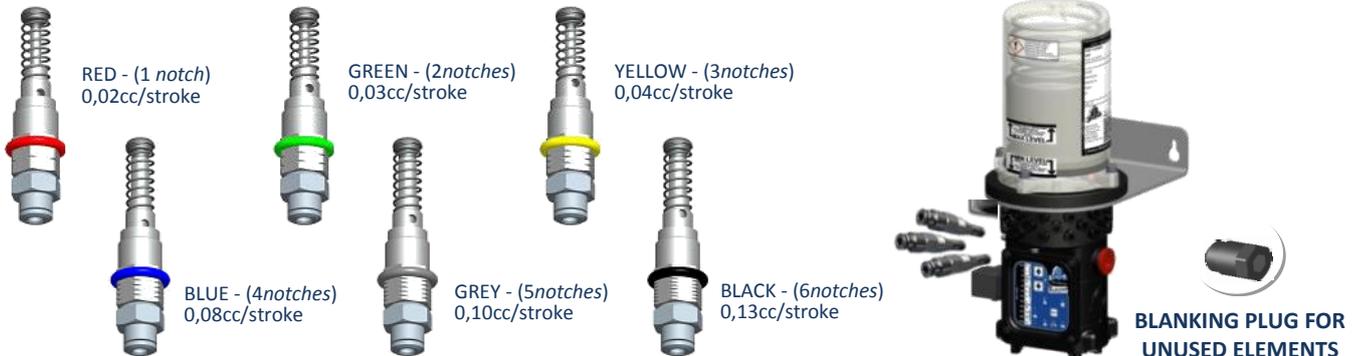
Electrical system



The above example shows the wiring connection of the PoliPUMP with a standard vehicle. The example includes an optional alarm indication lamp which Dropsa offers as an option. When the vehicle is ON the PoliPUMP is ON. When the vehicle is OFF the PoliPUMP suspends operation. Suspend means that when the vehicle is switched ON again, the PoliPUMP will resume from its previous point.

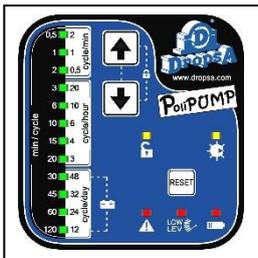
1. PICK NUMBER AND TYPE OF YOUR PUMPING ELEMENTS

Pumping elements are installed sequentially around the cylindrical outlet manifold...



...There are 6 different pump element sizes for you to select from and they are ordered separately from the pump according to how many lubrication points need to be serviced.

2. SELECT THE LUBRICATION CYCLE TIMER YOU WANT:



Once the pump has been powered on, simply use the up and down buttons to select the desired Lubrication Cycle.

There are 12 different cycle times that can be selected:

The cycle frequencies available are:

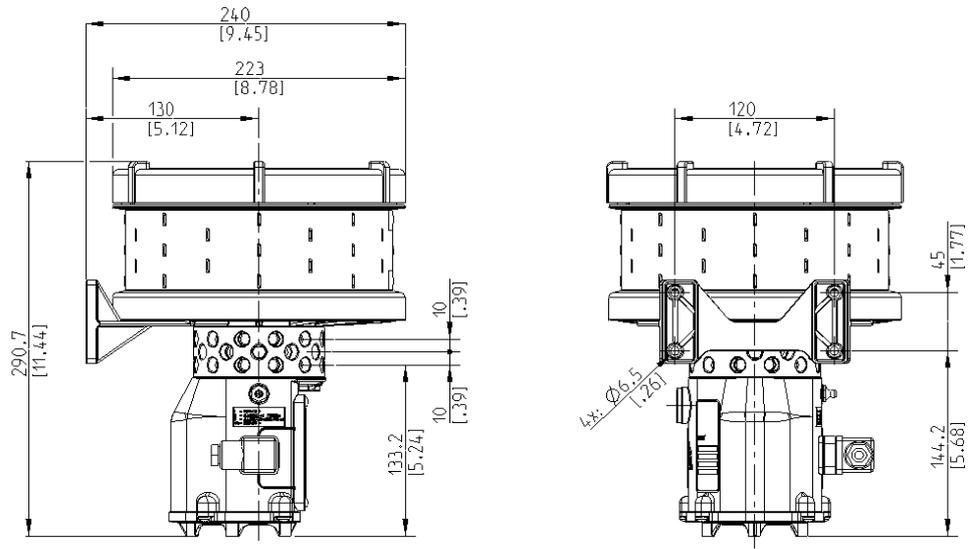
- Cycles per minute: 0.5 – 1 – 2
- Cycles per hour: 3 – 4 – 6 – 10 – 20
- Cycles per day: 12 – 24 – 32 – 48

GENERAL TECHNICAL CHARACTERISTICS

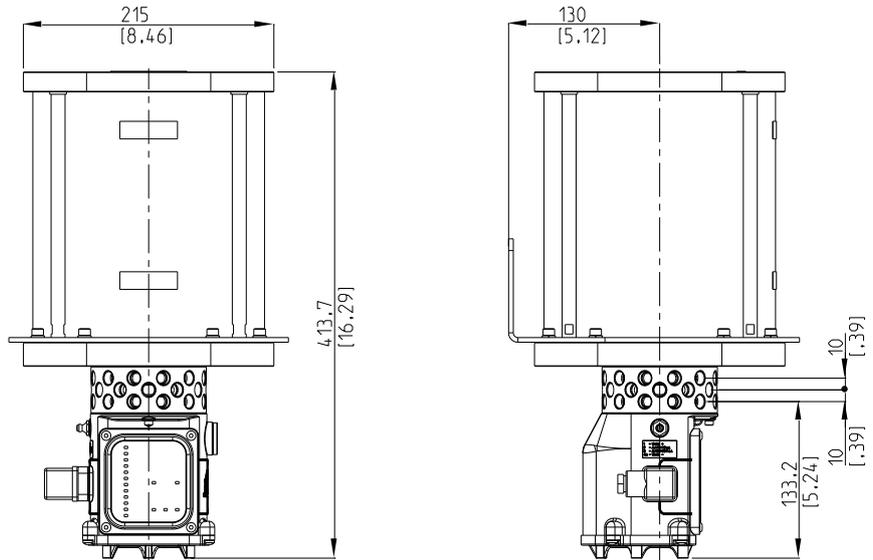
Pumping system	Single acting pump elements with cam activation	
Motor operating voltage	12V DC	24V DC
Electronic protection threshold for motor overload	0.6 A	
Nett weight	3 Kg (6.6 lb)	
Number of outlets / pumping max.	12 – 24 – 35	
Output connection (pumping outlet)	Push-in Ø4(5/32in)	
Nominal output per pump element	0,02cc/strokes – RED (1 notch) 0,03 cc/ strokes – GREEN (2 notchs) 0,04 cc/ strokes – YELLOW (3 notchs) 0,08 cc/ strokes – BLUE (4 notchs) 0,10 cc/ strokes – GREY (5 notchs) 0,13 cc/ strokes – BLACK (6 notchs)	
Max pressure achievable at the outlet of the pumping	80 bar(1160psi)	
Reservoir Capacity	2 L (0.53 gallons)- 4 L (1.06 gallons)- 0,5 L (0.13 gallons)	
Grease capability	NLGI00 ÷ NLGI2	
Operating temperature	-10°C ÷ +60°C (14°F ÷ 140°F)	
Storage temperature	-20°C ÷ +80°C (-4°F ÷ 176°F)	
Minimum level signalling/counting revolution	With Hall effect sensor	
CONTROL PANEL CHARACTERISTICS		
Working voltages	12VDC – 24VDC	
Hardware characteristics	<ul style="list-style-type: none"> • Motor Overload protection • Input power protection • Remote Alarm signal • Completed Cycle control sensor 	
Relay alarm contact	NC (open in alarm) – I max 5A - Vmax 250V – Pmax 60W	

DIMENSIONS (NOT TO SCALE)

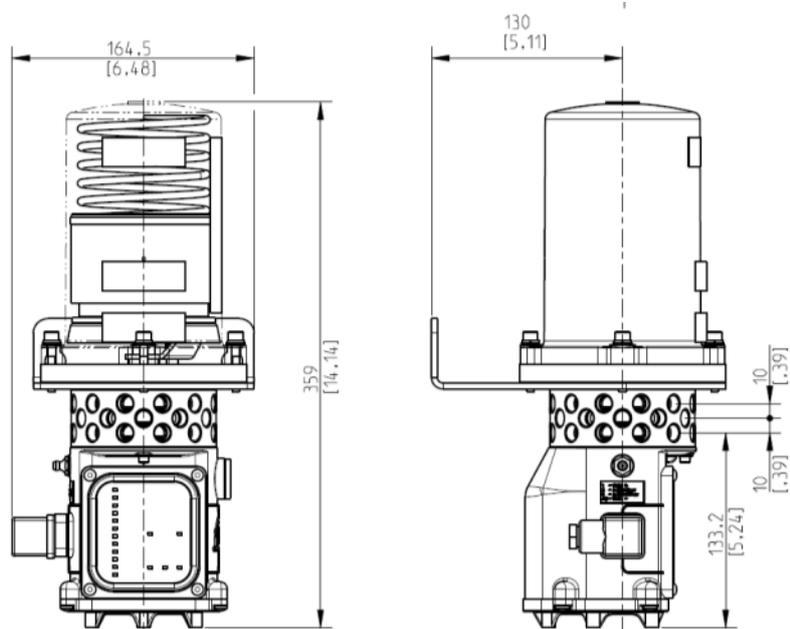
2 l reservoir



4 l reservoir with follower plate



0,5 l reservoir with follower plate



Dimensions in **mm [in]**.

POLIPUMP DESIGN WORKSHEET

1. SELECT THE PUMP

STANDARD version 2 l	12VDC	FROM1TO12 PUMPINGS	0888276	<input type="radio"/>	_____
		FROM1TO24 PUMPINGS	0888277	<input type="radio"/>	_____
		FROM1TO35 PUMPINGS	0888278	<input type="radio"/>	_____
FOLLOWER PLATE version 4l reservoir	24VDC	FROM1TO12 PUMPINGS	0888279	<input type="radio"/>	_____
		FROM1TO24 PUMPINGS	0888280	<input type="radio"/>	_____
		FROM1TO35 PUMPINGS	0888281	<input type="radio"/>	_____
FOLLOWER PLATE version 0,5 l reservoir	12VDC	FROM1TO12 PUMPINGS	0888288	<input type="radio"/>	_____
		FROM1TO24 PUMPINGS	0888289	<input type="radio"/>	_____
		FROM1TO35 PUMPINGS	0888290	<input type="radio"/>	_____
FOLLOWER PLATE version 0,5 l reservoir	24VDC	FROM1TO12 PUMPINGS	0888291	<input type="radio"/>	_____
		FROM1TO24 PUMPINGS	0888292	<input type="radio"/>	_____
		FROM1TO35 PUMPINGS	0888293	<input type="radio"/>	_____
FOLLOWER PLATE version 0,5 l reservoir	12VDC	FROM1TO12 PUMPINGS	0888506	<input type="radio"/>	_____
		FROM1TO24 PUMPINGS	0888507	<input type="radio"/>	_____
		FROM1TO35 PUMPINGS	0888508	<input type="radio"/>	_____
FOLLOWER PLATE version 0,5 l reservoir	24VDC	FROM1TO12 PUMPINGS	0888509	<input type="radio"/>	_____
		FROM1TO24 PUMPINGS	0888510	<input type="radio"/>	_____
		FROM1TO35 PUMPINGS	0888511	<input type="radio"/>	_____

2. HOW MANY PUMPING ELEMENTS DO YOU NEED?

PUMP ELEMENTS				Q.TY
0,02cc/ stroke	RED - (1 notch)	0888451	<input type="radio"/>	_____
0,03cc/ stroke	GREEN- (2 notchs)	0888452	<input type="radio"/>	_____
0,04cc/ stroke	YELLOW- (3 notchs)	0888453	<input type="radio"/>	_____
0,08cc/ stroke	BLUE- (4 notchs)	0888454	<input type="radio"/>	_____
0,10cc/ stroke	GREY- (5 notchs)	0888455	<input type="radio"/>	_____
0,13cc/ stroke	BLACK- (6 notchs)	0888456	<input type="radio"/>	_____
SPARE BLANKING PLUG		0888257	<input type="radio"/>	_____

3. TUBES AND FITTINGS

TUBES Ø4				Q.TY
Ø4x2 Nylon tube	Nylon Tube - Clear	5717218	<input type="radio"/>	_____
Ø4x3 Nylon Tube (low pressure)		5717300	<input type="radio"/>	_____
Ø4x2 Nylon Tube - Black		5717258l	<input type="radio"/>	_____
Ø4x2 Nylon Tube - Black grease filled	NLGI 00	5717259	<input type="radio"/>	_____
FITTINGS Ø4 PUSH-IN				Q.TY
Straight	THREAD	MAX PRESSURE (bar)		
	1/8 BSP	65	3084577	<input type="radio"/>
Straight	M6X1	65	3084579	<input type="radio"/>
	M6X0,75	65	3084631	<input type="radio"/>
	5/16-24 UMF	65	3084682	<input type="radio"/>
	1/8" NPT	20	3084586	<input type="radio"/>
90° swivel	M6X1	65	3084613	<input type="radio"/>
	5/16-24 UMF	65	3084611	<input type="radio"/>
	1/8NPT	65	3084620	<input type="radio"/>
	1/8 BSP	65	3084638	<input type="radio"/>
	M8X1	150	3084731	<input type="radio"/>
	1/8 BSP	150	3084696	<input type="radio"/>
Compression	1/8" BSP	150	0092069	<input type="radio"/>

4. FILL THE PUMP

Loading kit for 400 cc cartridge	0888038	<input type="radio"/>	_____
Loading kit for 400 cc cartridge with valves	3133723	<input type="radio"/>	_____
400 cc grease cartridge (NLGI 2)	1524952	<input type="radio"/>	_____
Fitting for 90° loading M22x1.5	3077222	<input type="radio"/>	_____

ACCESSORIES

Black ties wraps 100 x 2,5 mm (1 unit)		UE-CACA011	<input type="radio"/>	_____
Spiral fits- black 10 m per coil ø 10-50 mm		UE-CACA030	<input type="radio"/>	_____
Tagkit		3133901	<input type="radio"/>	_____

Distributor Info: _____