

Polipump solution selection guide

1. Selection of the pump

		DESIGNATION	Numbers of outlet	SAP code	Quantity
POLIPUMP IND For all industrial applications	12 VDC	POLIPUMP-2KG-12 PUM-12VDC-IND_0888270	12	308492	
		POLIPUMP-2KG-35 PUM-12VDC-IND_0888272	35	308500	
	24 VDC	POLIPUMP-2KG-12 PUM-24VDC-IND_0888273	12	308494	1*
		POLIPUMP-2KG-35 PUM-24VDC-IND_0888275	35	308502	
POLIPUMP NRUN For heavy duty vehicles (trucks, earth moving equipment...)	12 VDC	POLIPUMP-2KG-12 PUM-12VDC-NRUN_0888276	12	308493	
		POLIPUMP-2KG-35 PUM-12VDC-NRUN_0888278	35	308501	
	24 VDC	POLIPUMP-2KG-12 PUM-24VDC-NRUN_0888279	12	308495	
		POLIPUMP-2KG-35 PUM-24VDC-NRUN_0888281	35	308503	

2. Selection of pumping elements

DESIGNATION	Color	SAP code	Quantity
PUMPING UNIT 0.02cc - RED_0888451	RED	308508	6*
PUMPING UNIT 0.03cc - GREEN_0888452	GREEN	308509	4*
PUMPING UNIT 0.04cc - YELLOW_0888453	YELLOW	308510	
PUMPING UNIT 0.08cc - BLUE_0888454	BLUE	308511	
PUMPING UNIT 0.10cc - GREY_0888455	GREY	308512	
PUMPING UNIT 0.13cc - BLACK_0888456	BLACK	308513	

3. Selection of connectors and hose

	DESIGNATION	Code sap	Quantité
Connectors	PUSH-IN- M6X1 D4_3084579 a (65 bar max.)	311555	10*
	PUSH-IN-90 M6X1 D4_3084613 b (65 bar max.)	311558	
	PUSH-IN-GIR.90 M8X1 TUBO4_3084731 c (150 bar max.)	311560	
	CONN-ELBOW PUSH-IN M10X1 D4_3084654 d (65 bar max.)	311561	
	SWIVEL CONN-STRAIGHT 90-Ø4-1/8_3084638 e (65 bar max.)	311562	
	STRAIGHTPUSH-IN-CONN 1/8 D4_3084577 f (65 bar max.)	311557	
Hose without grease	TUBE-NYLON 6 4X2 BLACK-25M_5717258 (65 bar max.)	310717	2*
Hose with grease	TUBE-NYLON6 4X2 BLACK-25M GREASE_5717259 (65 bar max.)	310718	

4. Grease and grease filling kit

DESIGNATION	SAP code	Quantity
KIT CARTRIDGE GREASE FILLING_0888038	308475	1*
FITTING 90° M22 x 1,5 - M/F - 3077222 (for kit cartridge)	370658	
LUB UNIVERSAL GREASE - C400g	722534	
LUB HEAVY DUTY GREASE - C400g	722538	
LUB VIB 400 GREASE - C450g	722540	
LUB HIGH TEMP MP GREASE / C400g	467254	
LUB FOOD GR GREASE - C400g	726673	1*
LUB LOW TEMP GREASE - C400g	727228	
LUB ULTRA HIGH TEMP/C800G	365488	

5. Reservoir extension

DESIGNATION	SAP code	Quantity
Lubso tank segment_888116	326966	1*



Example of application

Industry : food
Application : packing machine
Temperature : 25°C
Used grease : FOOD GR
Number of points to lubricate :
• 4 bearings 22210 5g (cc)/week
• 6 bearings 22206 3.4g (cc)/week
Power supply : 24 VDC

Further information :
• M6X1 push in fittings
• Distance : 1 bearing 22210 and 22206 up to 10 meters, others up to 3 meters
• Grease filling kit (cartridge kit + 1 cartridge)

→ Pieces to order
Pump : Polipump 24 VDC 12 PUM
Pumping elements :
a) 5g(cc) / week : 0.03cc with timer setting 24cycles/day**
b) 3g(cc) / week : 0.02cc with timer setting 24cycles/day**
Connectors : 10 connectors M6x1
Hose : 2 hoses of 25 meters

**Results based on our selection chart available on our website.



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POLIPUMP

Your own centralised lubrication system in just a few quick steps



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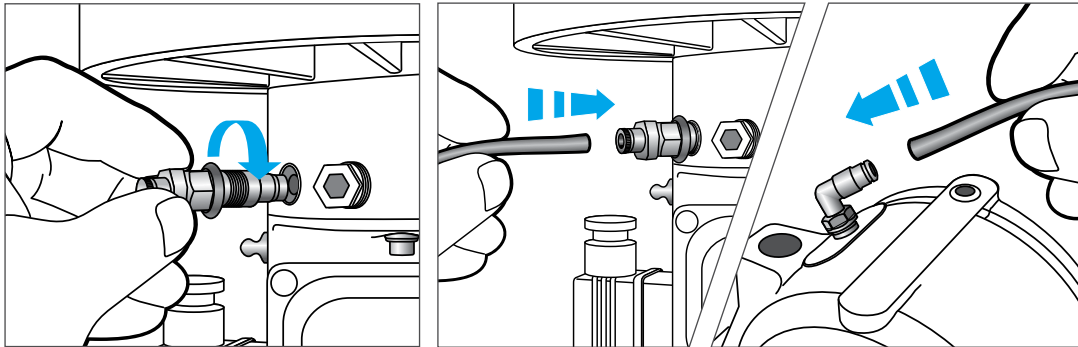
Brands of
NTN Group

Set up your own multipoint lubrication in only 4 steps

From 1 to 35 points to lubricate up to a distance of 20 meters

1 Choose the number and the type of pumping elements

- **Red**
1 notch - 0,02cc
- **Green**
2 notches - 0,03cc
- **Yellow**
3 notches - 0,04cc
- **Blue**
4 notches - 0,08cc
- **Grey**
5 notches - 0,10cc
- **Black**
6 notches - 0,13cc

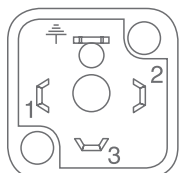


2 Connect the pump to the power supply according to your application

IND
Industrial application

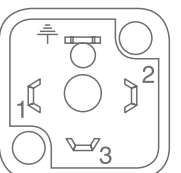
12 VDC-IND

- 1 = 12VDC +
- 2 = ALARM NO out
- 3 = ALARM COM out
- ⏏ = 12VDC -



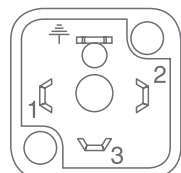
24 VDC-IND

- 1 = 24VDC +
- 2 = ALARM NO out
- 3 = ALARM COM out
- ⏏ = 24VDC -



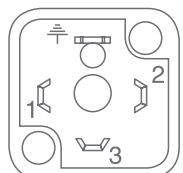
12 VDC-NRUN

- 1 = 12VDC +
- 2 = NRun in
- 3 = ALARM out
- ⏏ = 12VDC -



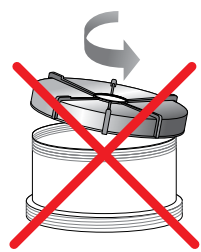
24 VDC-NRUN

- 1 = 24VDC +
- 2 = NRun in
- 3 = ALARM out
- ⏏ = 24VDC -

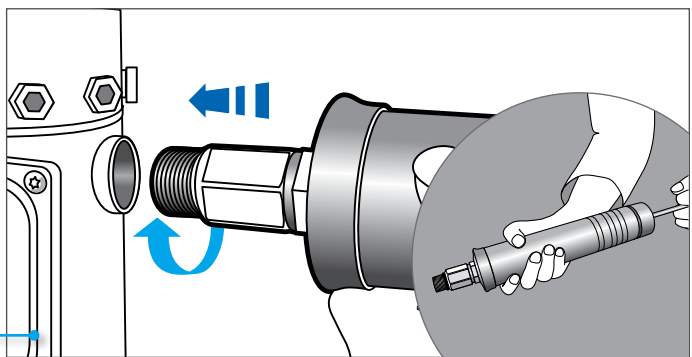


NRUN – For heavy duty vehicles (trucks, earth moving equipment...)

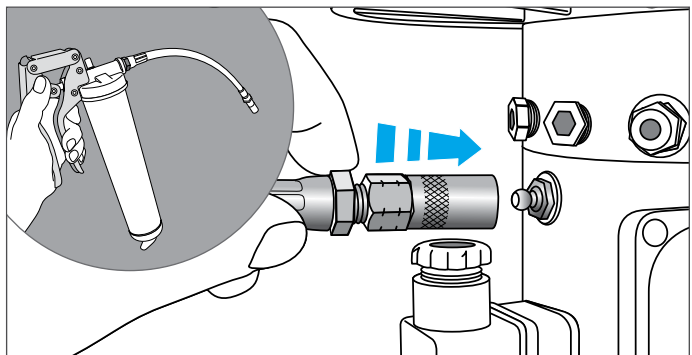
3 Method for filling the reservoir



Solution 1 (recommended)



Solution 2



Characteristics

→ Pumps

- 2 pump models
- 1 - 12 pumping elements
- 1 - 35 pumping elements

→ Power

- 12VDC or 24VDC

→ 12 timer settings

Only select 2 cyc/min for priming the hoses.

→ 6 types of pumping element

→ 2 litre reservoir

- Grade of grease to be used
- NLGI00 to NLGI2*

→ Protection : IP65

- Working temperature
- 10°C to +60°C

→ Max pressure

- 80 bars (for maximum 12 pumping elements)
- 50 bars (for maximum 24 pumping elements)
- 30 bars (for maximum 35 pumping elements)

* For grease with silicone based additives, please contact us.

4 Programming lubrication cycles

Increase/Decrease

the frequency of lubrication cycle

Yellow LED

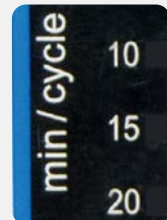
Indicates the keypad is unlocked

Green LED

Displays the current lubrication cycle setting

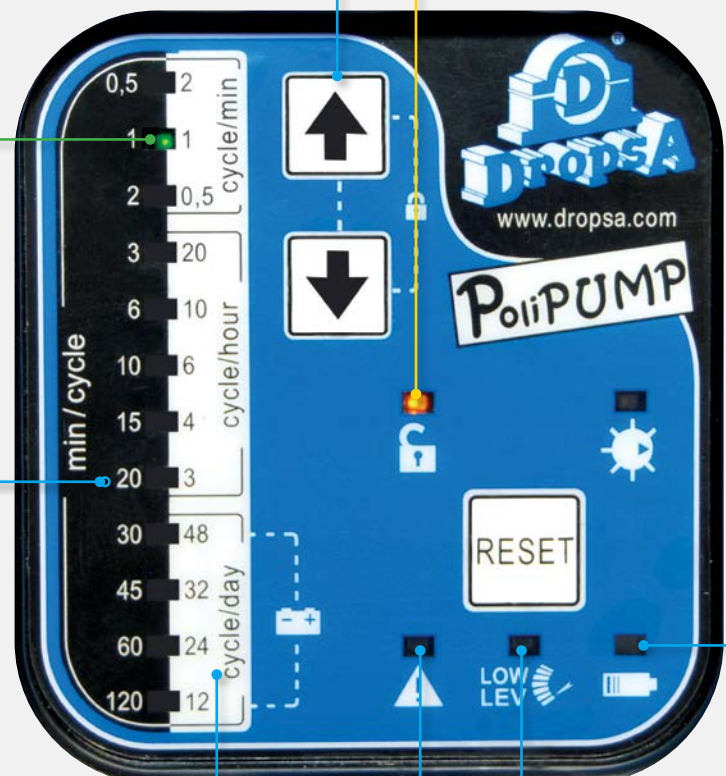
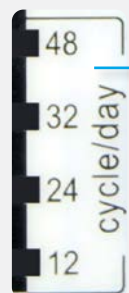
Lubrication interval

between every cycle



Greasing cycle

min/hour/day



Alarm

Motor overload protection.
Possibility of blocked pipe or cycle time too long.

Alarm

Grease level low

Alarm

Power supply problem.
Low voltage or overvoltage.