

Pneumatic pump mounted on drum BNP45

Series 103850X

Centralized greasing systems » Pumps for centralized greasing » Pneumatic pumps



Applications

- These pumps are designed to work with grease and oil, whatever environment, as long as there is compressed air, these pumps are used in installations with any type of flow.

Features

- Compact
- Low air consumption
- For grease and oil
- Built-on safety valve
- Control speed by means of PLC
- Available with standard drum rods 60 Kg and 200 Kg

Description

High pressure pneumatic pump with pneumatic actuation by means of a 4-way solenoid valve, 2 positions.

Adjustable capacity according to the lubrication points.

It is complemented with Nortek tanks of 5, 10 kg (3 and 20 kg on request) to be chosen by the client according to their needs.



Design and operating principle

Operation is similar to most of the double action piston pumps. The pump is pneumatically operated by the solenoid valve and stops completely only in the upward stroke, performs the down stroke due to the change of the solenoid valve.

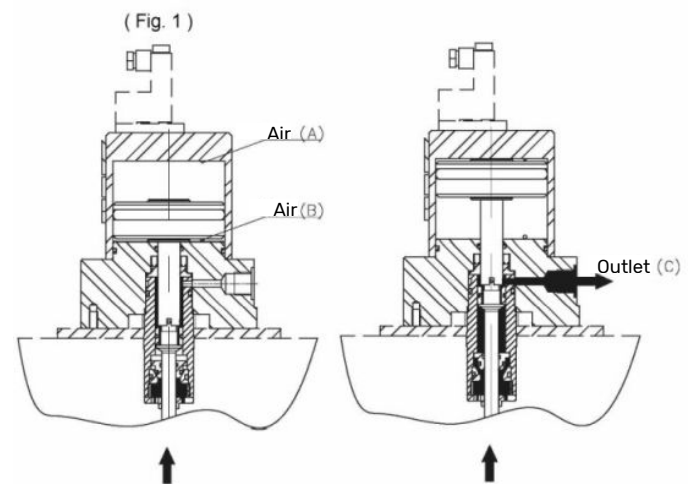
The air pressure is exerted simultaneously by the solenoid valve through the inlet and relief holes A and B, this causes the movement of the piston as shown in "Figure 1" and effects the greasing by the outlet C.

Installation

The installation is carried out with an electrical panel designed by Nortek type 2058914N-S_AL, from here the basic functions are regulated such as machine downtime or lubrication time, besides having the possibility of regulating the speed, its cycle regulation by Standard stroke is 1 s (1 s Greasing / 1 s Stop).

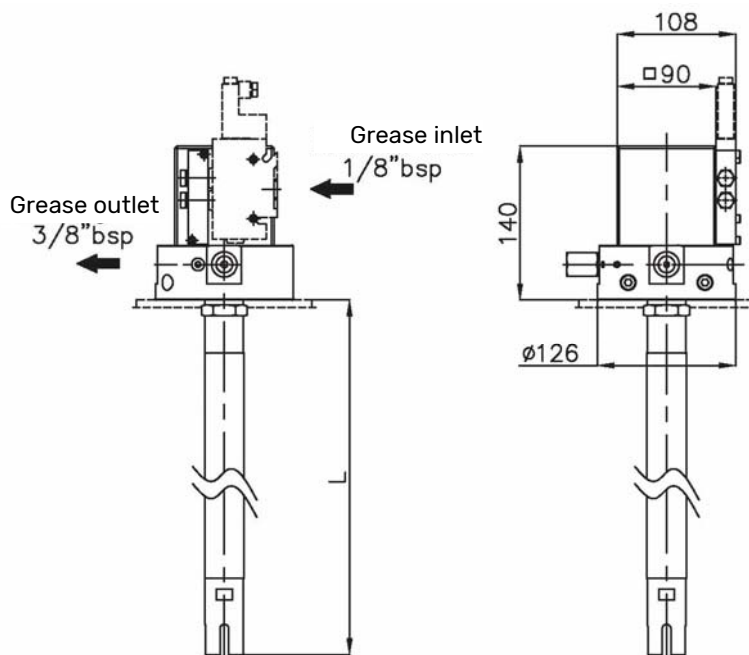
In double lines is necessary to install a return rod in order to facilitate the return to the drum. Normally the lubrication in this kind of installations is made with grease.

Illustration of operating principle



Dimensional drawing

Dimension in mm



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1038501	894
1038502	644

Specifications

Ratio	45 : 1
Maximum working pressure	300 bar
Recommended air pressure	< 9 bar
Recommended maximum speed	1 cycle/per second
Air inlet	1/8" bsp
Grease outlet	3/8" bsp
Flow	4 cm ³
Approximate weight	4,5 kg

Ordering information

Specifications	Reference
Ratio pump 45:1 for drum 200 litros	1038501
Ratio pump 45:1 for drum 60 litros	1038502
Ratio pump 45:1 without rod	1038503

Accessories

Specifications	Reference
Return rod for drum 1038501	1038501-01
Return rod for drum 1038502	1038502-03
Drum cover 200 litros	4404103
Solenoid valve 5 ways 2 positions 24 V	2032120