

Applications

These pumps are designed to work with grease and oil, whatever environment. The main application of the pump is as lubrication in pneumatic installations.

Features

- ▶ Corrosion-resistant design utilizes liquid salt nitriding
- ▶ Nickel plating, stainless steel, aluminum and chrome on key components for longer life
- ▶ Few moving parts means less downtime and low repair cost
- ▶ For grease and oil
- ▶ Available with standard drum rods 60 Kg and 200 Kg

Description

Pumps that offer a long service life, offer many innovative features in terms of maintenance savings, such as reduced downtime and cost savings.

They offer a quality solution for low, medium or high volume applications regardless of the fluid to be pumped.

Two types of drum rods lengths, for 60 and 200 kg tanks, extend the range of applications considerably.

Design and operating principle

Operation is similar to most of the double action piston pumps. The pump only comes to a complete stop on the up stroke. The pump will stroke through on the down stroke due to the inlet check relief passage.

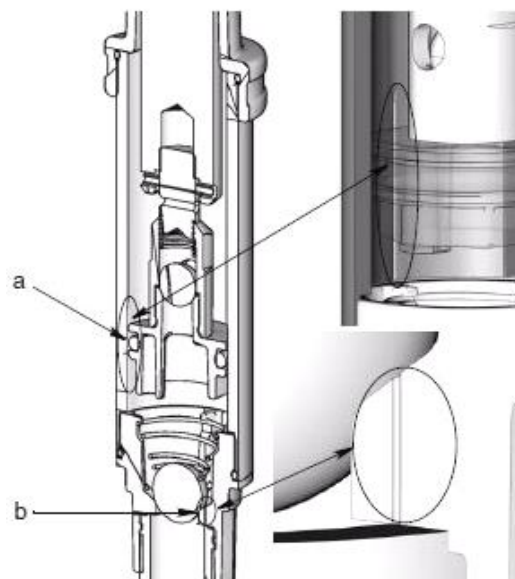
A typical example of operation may be as follows.

Excess pressure due to downstream thermal expansion causes the air motor/pump to run backwards (downward). Fluid pressure is relieved through the inlet check relief passage (b) as the pump piston moves downward. Air pressure is simultaneously relieved through the air inlet passage. The pump piston moves downward exposing the pump cylinder relief passage (a) at the bottom of the stroke. Additional excess pressure is then relieved through both the inlet check relief passage (b) and the pump cylinder relief passage (a).

The pump will not change over on the bottom of the stroke as a result of relieving excess pressure due to the positioning of the pump cylinder groove with respect to the air motor pilot valve

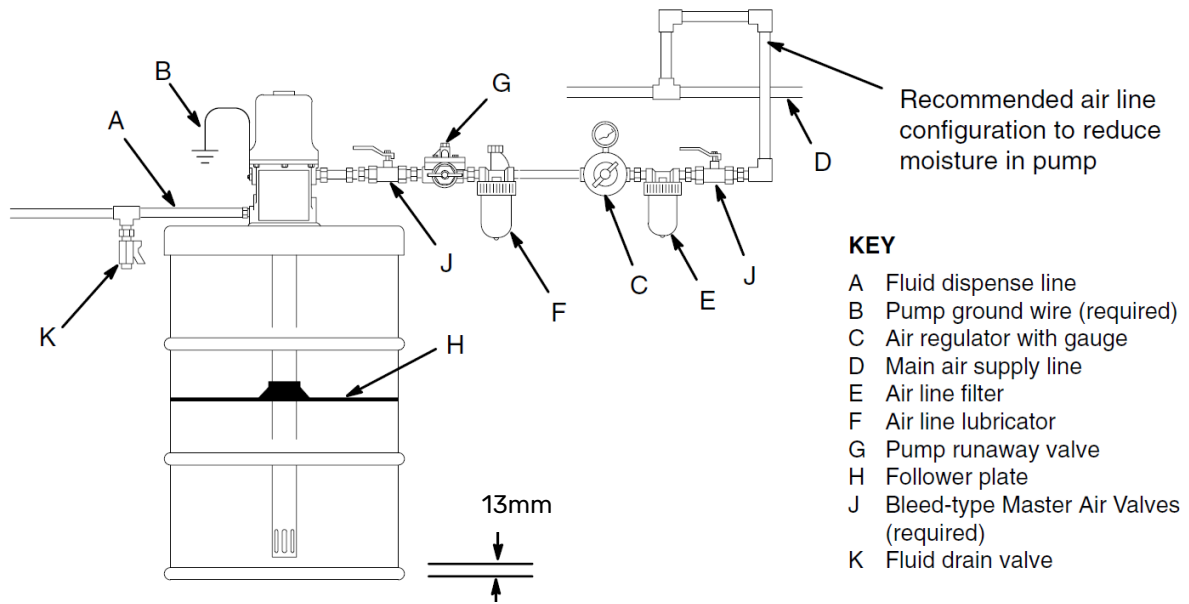


Illustration du principe de fonctionnement



Installation

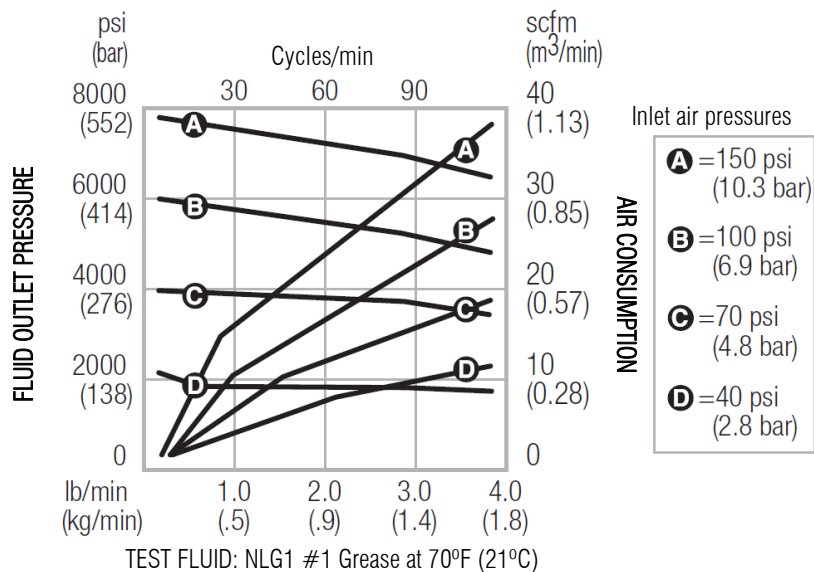
The typical installation shown, is only an installation guide. It is not an actual system design.



To reduce the risk of static sparking, ground the pump and all other components used or located in the dispensing area.

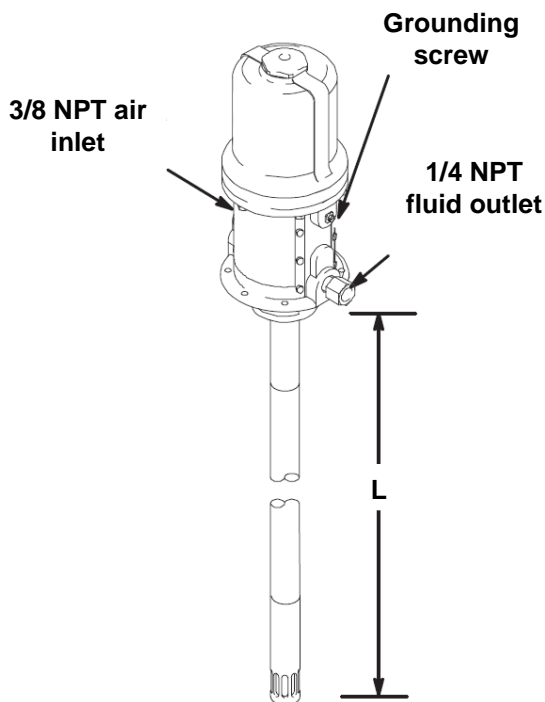
Specifications

Ratio	50 : 1
Maximum working pressure	580 bar
Recommended air pressure	3 a 9.7 bar
Recommended maximum speed	76 cycles/minute
Air inlet	G 3/8
Grease outlet	G 1/4
Flow	0.0109 kg/cycle
Approximate weight	10 kg



Dimensional drawing

Dimensions in mm



Specification	L (mm)	L1 (mm)
203869.000	853	1153
203868.000	678	975

L1: Overall length

Ordering information

ADD CODE DEPENDING ON ASSEMBLY

	BNH-	XXX	X	X	(-XX)
Specifications					
Ratio pump 50:1 for 60 litres drum		060			
Ratio pump 50:1 for 200 litres drum		200			
Return rod					
Without return rod				N	
With return rod				C	
Drum cover					
Without drum cover					N
With drum cover					T
Special code					
For non-standard elements					(-XX)