

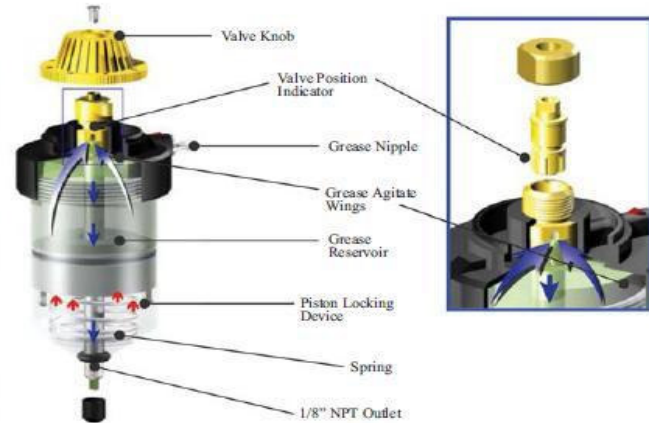
ALCONZ™
AUTOMATIC LUBRICATION CONCEPT

ALCONZ 10700

- **Spring Up Luber**

A Breakthrough Concept of Grease Dispensing System

The innovative **Alconz 10700 - Spring Up Luber** has a very unique and scientific design. Conventional spring type lubricators contain a ball valve to be able to control the flow rate of the lubricant. Such mechanism makes it very difficult to control the dispensing rate on this type of lubricator. Another fact that applies to spring type lubricators is that the spring constantly pushes down on the lubricant, thereby causing oil separation. When oil separation occurs, gravity allows the oil to drip out from the bottom, leaving only the thickener behind in the lubricator's chamber.



Solution

Alconz 10700 - Spring Up Luber has eliminated these issues that have plagued spring type dispensers for decades with the invention of its innovative **Alconz 10700 - Spring Up Luber** lubricator. The **Alconz 10700 - Spring Up Luber** possesses an ingenious new design that contains a spring at the bottom of the lubricator, which in turn pushes the lubricant upward into the lubricator's grease intake orifice, then down a guide sleeve and into the lubrication point. This new paradigm practically eliminates the problem of oil separation because it is pushing up not down. The upward piston movement prevents the possibility of oil from dripping out due to the effect of gravity and maintains the lubricant as a whole within the chamber, thereby preventing hardening of the grease and allowing the lubricator to completely empty out its contents. Conventional spring type lubricators contain a ball valve to be able to control the flow rate of the lubricant. Such dispensing mechanism makes it very difficult to obtain an accurate dispensing rate on this type of lubricator. The **Alconz 10700 - Spring Up Luber** offers 5 different dispensing rates by simply turning the valve position indicator located on top of the lubricator. This is a much more accurate way to control the flow rate. In addition to the inverted spring load design and flow meter, the **Alconz 10700 - Spring Up Luber** also contains a "Piston Clamp". This clamp serves as a locking device designed to hold the piston securely in place. The purpose for this is to prevent the spring from exerting constant pressure on the lubricant for extended periods of time; for example during transport or storage, thereby preventing oil separation. This innovative clamp feature allows us to offer our customers the opportunity to receive a pre-filled lubricator. There is no need for the customer to fill the lubricator during initial purchase; the lubricator is automatically ready for use. There are no other accessories or tools needed for installation, simply place the **Alconz 10700 - Spring Up Luber** on the lube point.

Advantage Of The Alconz 10700 Spring Up Luber

Major advantages when using the **Alconz 10700 - Spring Up Luber**

1. Prevents oil separation while in storage because it contains a piston clamp.
2. Can be immediately installed (Available Pre-filled)
3. Much more reliable and effective than any other conventional spring type lubricator.
4. User friendly
5. Contains a variety of dispensing rates to suit all applications

Practical Applications

The **Alconz 10700 - Spring Up Luber** can be used on any type of equipment that contains...

- * Ball, Roller Bearings
- * Shield Bearings
- * Open Bearings

NOTE: Please make sure that there is a clear passage into the bearing by cleaning out hardened grease.



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Alconz 10700 Spring Up Luber's Comparison Chart

Item	Convention Type	Spring Up Luber	Comparisons
Operating Principles	Spring pushes the grease downward. This eventually causes oil separation and allows oil to drip out of the grease cup, leaving thickener behind. This thickener hardens and prevents thorough lubrication of equipment.	Spring pushes lubricant upward and maintains it within the lubricator, thereby preventing any oil from dripping out due to gravity. Advantage: All lubricant is completely dispensed at the end of the lubrication cycle.	Oil constantly spills out of the conventional unit due to the fact that the spring pushes downward, thereby causing grease hardening, which in turn causes a dispensing problem. Alconz 10700 - Spring Up Luber Advantage: All lubricant is completely dispensed at the end of the lubrication cycle.
Control Valve	No Valve Position Indicator Available. This means that it cannot adjust the flow rate with a valve.	5 flow rates available through utilization of Valve Position Indicator.	Conventional unit has the disadvantage of not being able to control the flow of lubricant administered to the lubrication point. The Alconz 10700 - Spring Up Luber does.
Grease	Cannot be supplied with lubricant due to oil separation problem. Once filled, this lubricator empties leaving hardened grease behind. This occurs because of gravity's effect on oil when separated from lubricant.	Can be supplied with or without lubricant.	The Piston clamp holds piston in place on the Alconz 10700 - Spring Up Luber. The Spring will not affect greases properties.
Performance	Does not dispense lubricant effectively due to oil separation.	Completely dispenses lubricant due to its innovative design.	Unlike the conventional unit, the Pulsarlube S is capable of completely dispensing lubricant, due to the fact that the Alconz 10700 - Spring Up Luber is not susceptible to the hardening of grease thickener.
Spring	Single spring	Double spring	Double spring is extremely stable and keeps tension very effectively.

Specifications

1. Grease capacity: 100 cc (90 grams)
2. Operating ambient temperatures: -10°F - 250°F (-23°C - 121°C)
3. Outlet thread size: 1/4" NPT

Example On How To Select Indicator Setting

Application

- * Shaft diameter is over 50mm
- * RPM's 2,000 (Continuous)
- * Sealed bearing containing NLGI# 1 or 2 grease
- * Ambient temp 15°C-30°C (59°F - 86°F)

Recommendation for above application: Valve position indicator setting: Set to Position # 4.



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Alconz 10700 - Spring Up Luber's Valve Position Selection Guide

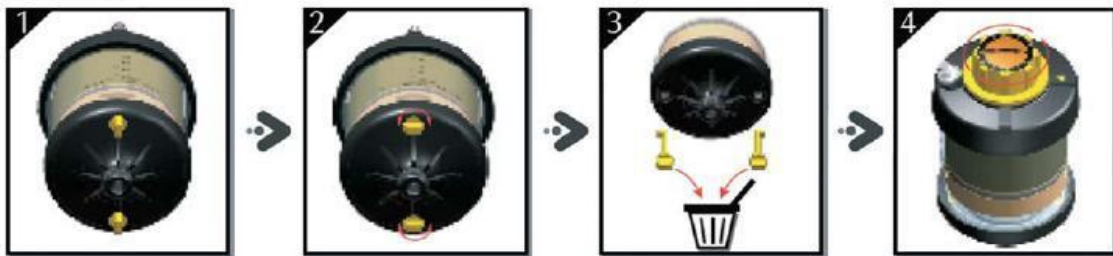
To assist you in selecting a dispensing rate, it is helpful to know the bearing's outer shaft diameter, rpm's, and bearing type (Shielded or Open).

Bearing Shaft Dia.	Up to 50mm(Up to 2 inches)			
Operating Condition	Intermittent		Continuous	
Bearing Type	Shielded	Open	Shielded	Open
Regardless RPM	1	2	3	4
Bearing Shaft Dia.	Up to 50mm(Up to 2 inches)			
Operating Condition	Intermittent		Continuous	
Bearing Type	Shielded	Open	Shielded	Open
Under 1000 RPM'S	2	2	3	3
1000 ~ 3000 RPM'S	3	3	4	4
Over 3000 RPM'S	4	4	5	5

NOTE: The Alconz 10700 - Spring Up Luber is not a time selectable unit (The lubricator dispenses lubricant as needed NOTE to the lube point)

Installation Instructions

If the Alconz 10700 - Spring Up Luber is already filled, make sure that the valve position indicator is set to the #5 dispensing rate. Release the piston locking device with your index finger and check to see if the lubricator is dispensing. Set the lubricator to a proper dispensing rate by once again using the valve position indicator located at the top of the dispenser.



If the Alconz 10700 - Spring Up Luber needs to be filled, set the valve position indicator to the "OFF" position. Fill the lubricator via the grease nipple by using a grease gun.

Note: Avoid overfilling. Overfilling may damage the lubricator. DO NOT refill with high pressure, high volume air/electrically operated grease gun, this may damage the Alconz 10700 - Spring Up Luber unit and the warranty will be null and void. Lubricant is injected via the grease nipple located at the top of the lubricator, which will cause the internal piston to compress downward. Avoid overfilling because it may damage your lubricator. To prevent this from happening, fill the dispenser until the piston ring reaches the level indicator located at the bottom of the lubricator's reservoir. The level indicator reads as follows; "Do not fill below this line".

Before installing, make sure that the lubricator is set to the correct dispensing rate and release the locking. To install the lubricator, simply screw in the lubricator directly to the lubrication point. Hand tighten the lubricator only. 45° to 90° adaptors may be used if there is an obstruction of any kind. The Alconz 10700 - Spring Up Luber will function in any position.

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Distributor

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WARRANTY

Alspec Industries Sdn Bhd guarantees the product to be free of defects in material and workmanship for a period of 12 months from date of delivery. Warranty is limited to replacement of the product. There is no consequential loss covered by the Warranty. The Warranty will be void if the unit is mistreated, tampered with, used in a hostile chemical environment, used under water, maliciously damaged, used outside the specified ambient operating temperature range of -20 to 70 ° C, used with other than from an AUTHORIZED DISTRIBUTOR or MANUFACTURER supplied service pack. Please contact your local supplier or manufacturer for the validity of the Warranty.