LubeSite 704

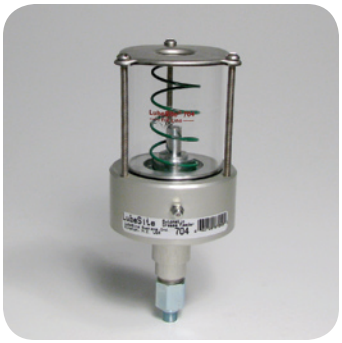
Grease, Metal Base, High Temperature

BIJUR DELIMON INTERNATIONAL

General

LubeSite 704 allows precise dispensing of grease to a bearing in ambient temperatures up to 450°F (232°C). It's ideal for applications in steel mills, foundries, lumber drying kilns, glass plants, nuclear environments and metal heat-treating facilities.

The refillable, transparent reservoir permits a visual inspection of grease level at a safe distance. This feature is especially important in high temperature applications.



ATTENTION

See Brochure #L713: LubeSite Systems for more information

Application

LubeSite 704 Series can be used on any equipment that has:

+ Anti-friction oscillating, ball or roller bearings
+ Shielded bearings with seals
+ Bronze, oilite or open bearings
+ Requires bearing flushing action

Operation

LubeSite automatic grease feeders have only two moving parts (spring, piston with metering rod and piston seal ring). The design combines foolproof simplicity with rugged component strength for dependable, controlled lubrication.

The graduated channels in the meter rod allow the bearing to use grease as required. Once the reservoir is filled and the unit is connected to a bearing, the single-point lubricator uses Venturi action to discharge lubricant only when the bearing is in motion. Thus, grease is never packed into the bearing. This benefits manufacturers that will have some planned machine downtime, because over-lubrication is eliminated. Because the single-point lubricator only generates 1-5 psi it will not blow bearing seals. When the bearing stops, so does the grease flow.

Technical Data

Material	Domes	Tempered borosilicate, glass
	Bases	Lightweight, anodized aluminum
	Cap	Stainless steel
Grease		NLGI grade 0 to 4
Thread Size		1/8" NPT
Operating Temperature		Up to 450°F (232°C)

Note: These units are assembled with a medium (green) stainless steel spring. Units are packed individually and include an additional heavy (yellow) spring. The piston seal ring and gaskets are fabricated from temperature-resistant Viton.

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Start Up Instructions

1. **Use proper spring:** LubeSite 704 unit comes factory-equipped with medium spring (green) which gives correct grease feeding pressure for most applications. A heavyweight spring (yellow) is also supplied.
2. **Remove grease fitting from equipment or bearing housing:** Check to see that the thread on the grease fitting is 1/8". You may need another LubeSite adapter to mount the LubeSite unit (refer to accessories).
3. **Fill LubeSite unit with a non-separating grease:** Connect a grease gun to the side grease fitting. Fill with grease until the grease comes out of the base coupler. First filling may be above caution line to assure no air pockets. Outlet must be unobstructed as over-pressuring can result in top separating from base which can cause serious head or eye injury. Mount the LubeSite unit on equipment immediately.
4. **Screw the LubeSite assembly directly into the grease fitting hole:** Turn hand tight only.
5. **LubeSite can be refilled while mounted on equipment:** This should be accomplished before the seal ring is down on the top of the base. Simply refill by attaching the grease gun to the grease fitting and fill until the seal ring rises to the bottom edge of the caution label.

WARNING

Do not overfill! Overfilling can cause over-pressure which can result in top separation from base which can cause serious head or eye injury.

For refilling hard to reach applications, use the LubeLine remote refill line.

Maintenance

LubeSite units are made from high-quality, heavy-duty engineered materials and are manufactured to meet rigid standards. These units require only minimum care to provide long, trouble-free service under normal operating conditions.

The transparent dome should be kept free of exterior dirt, so that the interior grease level can always be seen. Most dirt can easily be removed with mild detergents (never use solvents). Grease fittings should be wiped clean before and after filling and the protective cap replaced.

We recommend that the LubeSite unit be thoroughly cleaned inside and out about once a year as a routine, or whenever the grease has separated or solidified. More cleaning may be required in extremely dirty or dusty environments

How to Order

Name	Reservoir Capacity	Part #
LubeSite 704	4 oz (113.4 g)	704

When ordering, specify by name, description and part number, e.g. LubeSite 704, 4 oz Reservoir Capacity, Part #704.

Accessories

Name	Description	Material	Part #
Adapter	Straight, 1/8" NPT (F) x 1/4"-28 (M)	Zinc plated steel	20-1
		Nickel chrome plated	50-1
	Bushing, 1/8" NPT (F) x 1/4" NPT(M)	Zinc plated steel	20-2
		Nickel chrome plated	50-2
	45°, 1/8" NPT (F) x 1/8" NPT(M)	Zinc plated steel	20-3
		Nickel chrome plated	50-3
	45° 1/8" NPT (F) x 1/4"-28 (M)	Zinc plated steel	20-6
		Nickel chrome plated	50-6
	90°, 1/8" NPT (F) x 1/4"-28 (M)	Zinc plated steel	20-4
		Nickel chrome plated	50-4
	90°, 1/8" NPT (F) x 1/8" NPT(M)	Zinc plated steel	20-5
		Nickel chrome plated	50-5
Coupler	Base, 1/4" NPT (F) x 1/8" NPT(M)	Zinc plated steel	202-2
		Nickel chrome plated	502-2
	1/4" NPT (F) x 1/4"-28 (M)	Zinc plated steel	202-2A

For additional accessories, see Brochure #L713: LubeSite Systems.

Dimensional Schematics

Measurements shown in inches.