91-419* (revised 08/16)

Please direct questions regarding this form to the following:
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HEAVY DUTY LUBRICATOR
Installation Instructions, Operating Instructions and Parts List

Application:

The Heavy Duty Series Lubricator is designed to provide lasting service and superior performance in today's demanding industrial environment. A wide variety of options and accessories make this regulator adaptable to any application.

Options and Accessories:

Options*:	*Suffix*
Bowl Guard (for 1/4", 3/8" and 1/2" units)	.R
Metal Bowl with Sightglass	.M

*Add a dash followed by the suffix(es) in alphabetical order to the model number.

Accessories:	*Model No.*
Bowl Guards:	
1/4" and 3/8"	.8823-50
1/2"	.8824-50
3/4" and 1"	.8826-50
Metal Bowl with Sightglass:	
1/4" and 3/8"	.8843-41M
1/2"	.8844-41M
3/4" and 1"	.8848-41M
Sightglass Repair Kit	.RK88-SG

Technical Data:

Maximum Supply Pressure:

Plastic Bowl	150 PSI
Metal Bowl	250 PSI

Maximum Operating Temperature:

Plastic Bowl	120° F
Metal Bowl	250° F

Material:

Body	Die cast aluminum
Standard Bowl	Transparent Polycarbonate
Bowl Guard	Steel
Optional Bowl	Aluminum

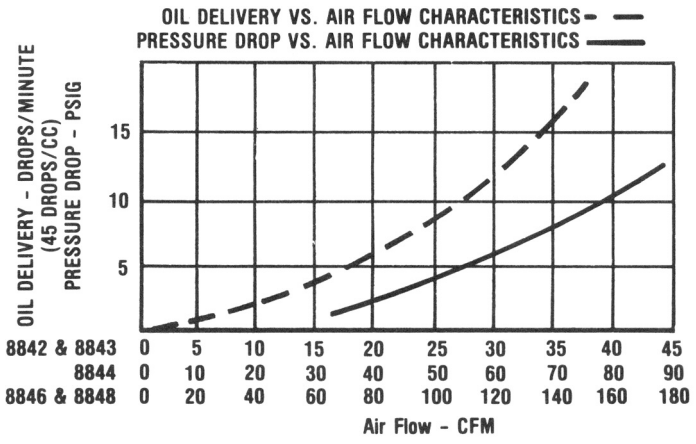
Dimensions and Weights:

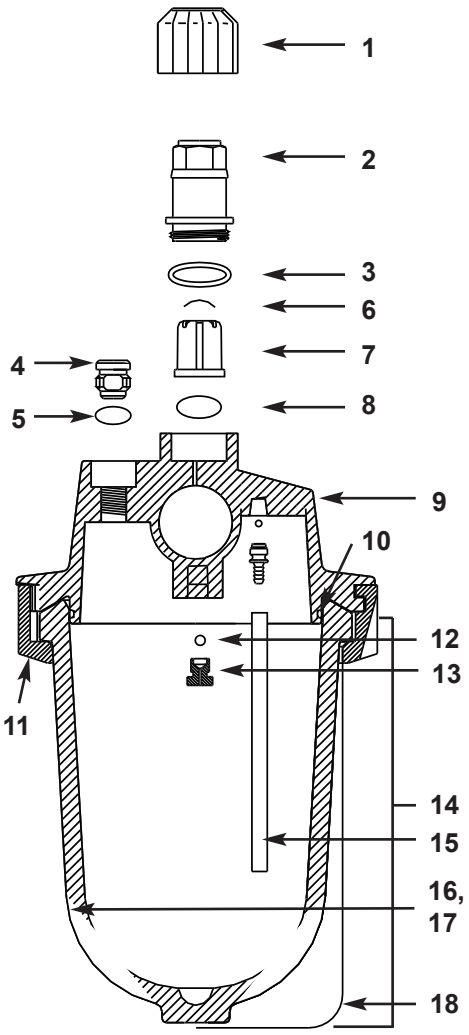
	1/4" and 3/8"	*1/2"*	*3/4" and 1"*
Height	.7"	8"	.11 1/2"
Width	.3"	3 1/2"	.5"
Weight	.1 lb.	1 1/4" lb.	.3 1/2 lbs.

Port Size — Model Number

Port Size	Model Number
1/4"	.8842
3/8"	.8843
1/2"	.8844
3/4"	.8846
1"	.8848

Performance Data:





Lubricant:

Lubricants, as recommended by the equipment manufacturer, may be used, provided they are not heavier than SAE #40 (S.U.V. 800 SEC at 100° F). *We recommend the use of Coilhose nondetergent ATL rustproofing lubricant in temperatures above 40° F. For applications between 45° F and - 45° F, we suggest Coilhose ATLW lubricant*.

Filling:

Lubricators can be filled while under pressure and without shutting down the equipment. After carefully removing the fill plug, insert the tip of a long spout oil can into the bottom of the fill port to avoid any blow back. Lubricator bowl should be filled within 1/2" from the top. The lubricator may also be filled by removing the bowl *after the system has been depressurized. Once the bowl has ben filled and replaced, be sure it is locked into position before repressurizing the system*.

Adjustment:

When the adjustment knob is turned completely clockwise, oil is not being delivered through the system and the equipment is not being lubricated. The adjusting knob should be set to the desired drip rate after the air has been turned on and flowing. By turning the adjustment knob in a clockwise direction, the oil feed rate is decreased. Although proper lubrication is determined through demand and experience, a good starting point is one to two drops per minute. To check lubrication rate, we suggest the following: Hold a piece of cardboard at the exhaust hole of the component in the least favorable position (farthest away from the lubricator or in the highest position). After the unit has run for about 100 strokes, an oil film on the cardboard will indicate the setting is correct. If the oil film on the cardboard runs, the setting is too high. In order to prevent gumming, it is preferable to add too little rather than too much oil.

Cleaning and Maintenance:

The lubricator will provide long periods of uninterrupted service as long as both the air and oil supplies are kept clean and the oil level is kept above the end of the feed tube in the bowl. Failure of oil to drip through the sight dome, regardless of the position of the adjusting knob, indicates that cleaning is required. The lubricator does not need to be removed from the air line for cleaning. *Depresurrize the air line* and disassemble the lubricator using the appropriate parts drawing on this page as a guide. Cleaning is normally needed only in the oil metering area. After unscrewing the sight dome assembly, *clean all components with warm water and mild household detergent only*. The bowl is removed by depressing the safety tab on the locking ring and, by rotating it slightly and pulling downward, the clamp is separated from the head of the unit. The bowl can then be removed from the lubricator head assembly with slight downward force.

Components:

Item No.	Description	1/4" (8842)	3/8" (8843)	1/2" (8844)	3/4" (8846)	1" (8848)
1	Tamperproof Cap	8742-31A	8742-31A	8742-31A	8742-31A	8742-31A
2	Sight Dome/Adj. Screw	8742-32A	8742-32A	8742-32A	8742-32A	8742-32A
3	Dome "O" Ring	26L-12	26L-12	26L-12	26L-12	26L-12
4	Fill Plug	8844-10	8844-10	8844-10	8844-10	8844-10
5	Fill Plug "O" Ring	30-6101	30-6101	30-6101	30-6101	30-6101
6	Spring Washer	8742-42A	8742-42A	8742-42A	8742-42A	8742-42A
7	Drip Spout	8742-33A	8742-33A	8742-33A	8742-33A	8742-33A
8	Drip Spout "O" Ring	84699-30	84699-30	84699-30	84699-30	84699-30
9	Head Ass'y	8842-55	8843-55	8844-55	8846-55	8848-55
10	Bowl "O" Ring	8823-9	8823-9	8824-9	8826-9	8826-9
11	Clamping Ring Ass'y	8823-30	8823-30	8824-30	8826-30	8826-30
12	Air Check Ball	26L-19	26L-19	26L-19	26L-19	26L-19
13	Air Check Stud	26L-20	26L-20	26L-20	26L-20	26L-20
14	Poly Bowl - Guard Ass'y	8843R-41L	8843R-41L	8844-41L	--	--
15	Feed Tube	8844-5S	8844-5S	8844-5L	8844-5XL	8844-5XL
16	Poly Bowl	8843-41L	8843-41L	8844-41L	8848-41L	8848-41L
17	Metal Bowl	8843-41M	8843-41M	8844-41M	8848-41M	8848-41M
18	Metal Bowl Guard	8823-50	8823-50	8824-50	8826-50	8826-50