



Glass, LS, or SS Opto-Matic Oilers

Read Instructions Before Installing

NEW! Innovation in Opto-Matic Installation

The Opto Laser Level Tool easily installs and sets the Opto-Matic Oiler accurately and in a timely manner and can be used as an inspection device. Many times, Opto-Matic Oilers are improperly installed, and in some cases improperly used, however the new Opto Laser Level tool can help overcome these issues. Order your Opto Laser Level Tool today by calling 800-558-7008.



Installing:

1. Remove reservoir and level adjuster from lower casting.
2. Be sure all connecting hardware is free from contaminants (burrs, chips, dirt, etc.) to prevent clogging or damage to the equipment to be lubricated.
3. Connect lower casting to bearing chamber either through the side connection or the bottom connection. (Fig. 1) Use thread compound on threaded areas, except for supplied plug.
4. Verify that assembly is level and parallel with desired oil level. (Fig. 2) Make necessary adjustments if needed (the **Opto Laser Level Tool** can be used to help with alignment).
5. Set oil level adjuster (**Opto Laser Level Tool** can be used). Thread top adjuster arm to desired level, then thread lower adjuster arm together with top to lock into place. (Fig. 3)
6. Fill reservoir 2/3rds with oil. Back out set screw on reservoir adjustment arm to avoid interference with lower casting.
7. Invert and place reservoir over lower casting.
8. Run equipment to check lubricant level. If oil level is too low, remove reservoir and raise arms on level adjuster slightly, then repeat steps 6 & 7. If oil level is too high, remove reservoir, lower level adjuster arms slightly and drain equipment until oil level is reached, then repeat steps 6 & 7. Turn set screw to hold reservoir assembly in place. Adjustment tip: Measure distance between bottle and casting edge (Fig. 4 - this dimension may vary), replace bottle on adjustment arm in lower casting - mark dimension on outside of lower casting with temporary marker. (Fig. 5) This is the level setting (this step can be eliminated if the **Opto Laser Level Tool** is being used to set oil level).

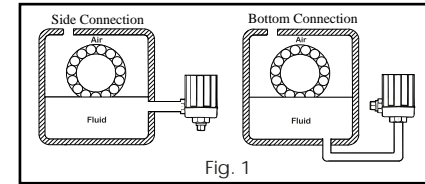


Fig. 1

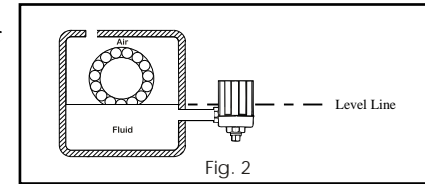


Fig. 2

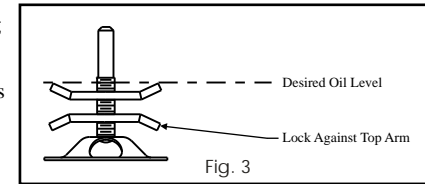


Fig. 3

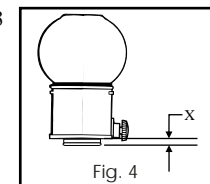


Fig. 4

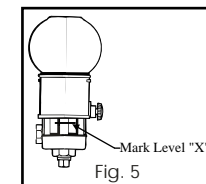


Fig. 5

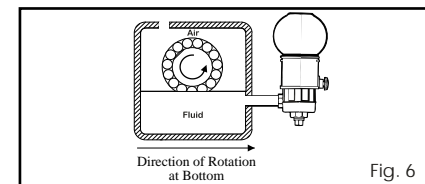


Fig. 6

Operation:

1. Overfilling of equipment may occur due to repeated removal and replacement of reservoir. Add oil only when less than 1/3 of reservoir capacity remains to reduce filling frequency.
2. Oiler location with respect to bearing type, rotating speed of equipment, multiple start-ups, slinger rings, etc. may cause the oiler to misfeed. Check lubricant levels periodically to ensure proper application. Mount oiler facing direction of rotation at bottom of shaft. (Fig. 6)
3. When environmental conditions such as rain, steam, dust, etc. are a concern, closed system oilers will lessen the chance of lubricant contamination.
4. High airflow conditions (fans, blowers, etc.) may cause the oiler to overfill equipment by creating a pressure imbalance. Vent pipe extensions (out of airflow) may have some effect. Closed system oilers will eliminate this condition.
5. Frequent equipment starts may cause overfilling. This can be minimized by mounting the oiler on the side facing the direction of rotation (Fig. 6).

Glass Opto-Matic Replacement Parts

Wire Guard Assy.

1 1/4 oz. Oiler	30011
2 1/2 oz. Oiler	30012
4 oz. Oiler	30013
8 oz. Oiler	30016
16 oz. Oiler	30020

Reservoir Assy. with Set Screw

1 1/4 oz. Reservoir	20398R
2 1/2 oz. Reservoir	20400R
4 oz. Reservoir	20403R
8 oz. Reservoir	20405R
16 oz. Reservoir	20407R

Set Screw Only

1 1/4 oz. and 2 1/2 oz. Oiler	10975R
4 oz., 8 oz., and 16 oz. Oiler	10267R

Level Adjuster Assy.

1 1/4 oz. and 2 1/2 oz. Oiler	20397R
4 oz., 8 oz., and 16 oz. Oiler	20402R
Flat Level Adjuster	40439

Lower Casting w/o Plug

1 1/4 oz. and 2 1/2 oz. Oiler	10306R
1/4 BSPT	14241R
4 oz., 8 oz., and 16 oz. Oiler	10298R
1/4 BSPT	14239R

Pipe Plug

1/4 NPT	10321R
1/4 BSPT	14201R

"L" Opto-Matic Replacement Parts

Reservoir Assy. with Set Screw

All Sizes	10267R
4 oz. Reservoir	20575R
8 oz. Reservoir	20578R

Set Screw Only

All Sizes	10267R
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Level Adjuster Assy.

All Sizes	20402R
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Lower Casting w/o Plug

1/4 NPT	10298R
1/4 BSPT	14239R

Pipe Plug

1/4 NPT	10321R
1/4 BSPT	14201R

"SS" Opto-Matic Replacement Parts

Wire Guard Assy.

4 oz. Oiler	30223
8 oz. Oiler	30225
16 oz. Oiler	30230

Reservoir Assy. with Set Screw

4 oz. Reservoir	20603R
8 oz. Reservoir	20604R
16 oz. Reservoir	20605R

Set Screw Only

All Sizes	10282R
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Level Adjuster Assy.

All Sizes	20402R
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Lower Casting w/o Plug

With Side and Bottom	11239R
1/4 NPT	14241R
1/4 BSPT	14247R

Pipe Plug

1/4 NPT	11238R
1/4 BSPT	14221R



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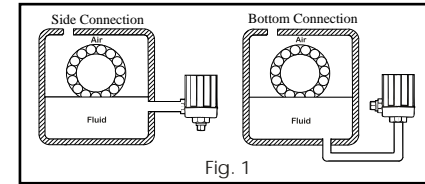


Fig. 1

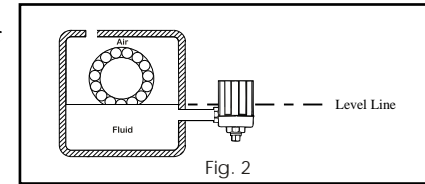


Fig. 2

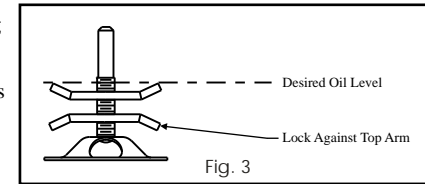


Fig. 3

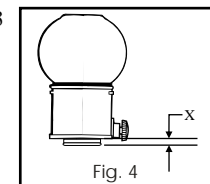


Fig. 4

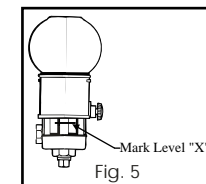


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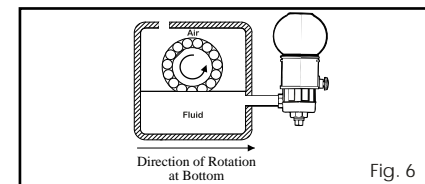
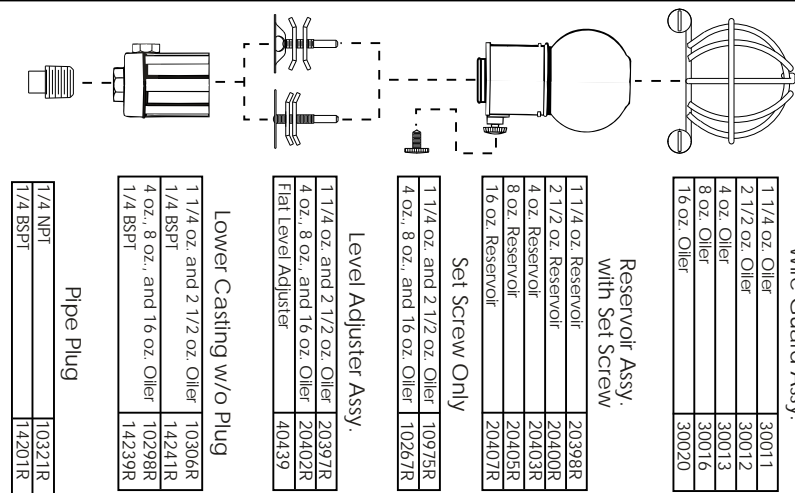


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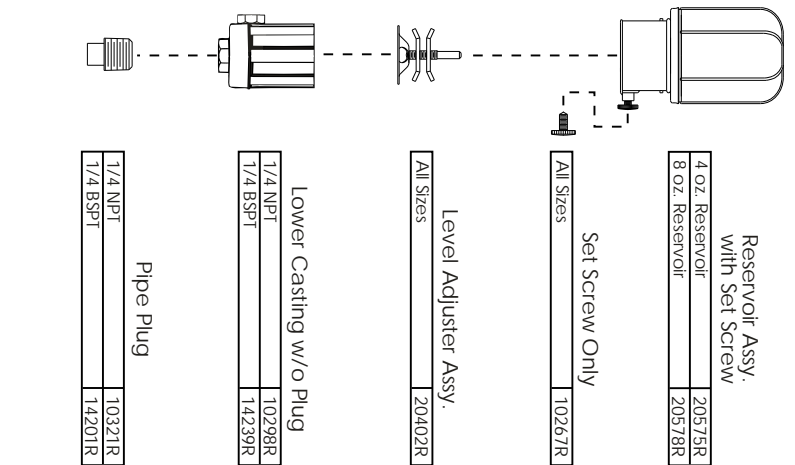
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	40439

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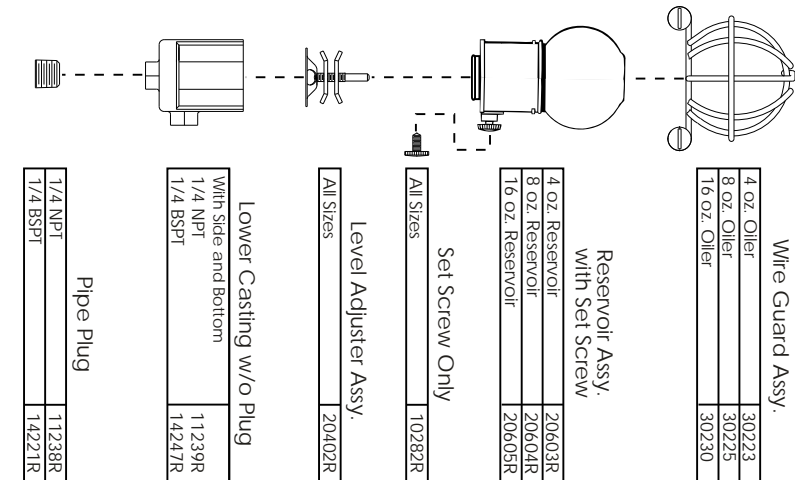
Set Screw Only	
All Sizes	10267R

Level Adjuster Assy.	
All Sizes	20402R

Lower Casting w/o Plug	
1/4 NPT	10298R
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All Sizes	10282R

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Lower Casting w/o Plug	
With Side and Bottom	11239R
1/4 NPT	14241R
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Pipe Plug	
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1/4 BSPT	14221R