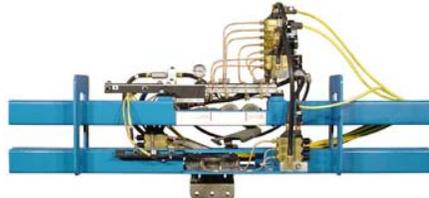




**Serving industry since 1971**

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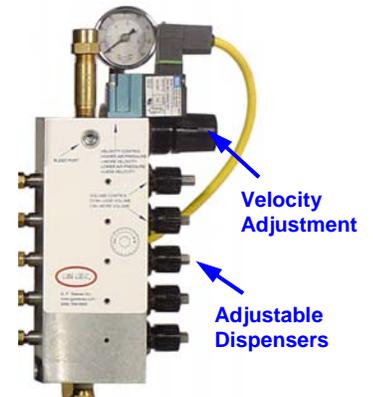


**Great Lubricators have all ten features and will extend the life of your conveyor, reduce drive power requirements, and cause smoother conveyor operation.**

1. **Nozzles.** The lubricator should airless squirt lubricant into conveyor wear areas. Included modified conveyor track section should have pre-aimed and clamped nozzles. **If the lubricator has a brush or brushes instead of nozzles, it will smear oil on the conveyor, but not into it.** Customer should not have to engineer the installation.
2. **Dispenses “all” lubricants.** The lubricator should be able to squirt ISO 2 through ISO 100 lubricants. **Too many lubricators can squirt only the thin “dry-film” lubricants.**
3. **Operates in either direction of conveyor travel.** The lubricator must be capable of operating in either conveyor travel direction so it can be installed with its “front” accessible where you want it on the conveyor. **If the lubricator includes a single arrow, it can only be installed one way.**
4. **Includes microprocessor controller with operator interface.** The lubricator should have an advanced microprocessor with programmable display screen to allow lubrication based on counting complete conveyor circuits. **Timed lubrication is not as accurate as counting and the OFF and ON times are often not even based on conveyor run time.**
5. **Powered by compressed air.** Compressed air is common in most industrial facilities and is the best source of energy for the reciprocating piston motions necessary to accurately measure and squirt lubricants. **Electric lubricators usually can’t squirt all lubricants.**
6. **Adjustable positive displacement dispensers.** Because not all conveyor components require identical amounts of lubricant, the lubricator should have an adjustable positive displacement measuring dispenser for each lubrication point. **Some electric lubricators connect two or three nozzles to the timed lubricant output of one solenoid valve and the amount of lubricant squirted from each nozzle is not controlled.**
7. **Velocity adjustment.** A compressed air regulator allows the ejection force of the lubricant to be adjusted to squirt all viscosity lubricants without dripping or splashing. **Some electric lubricators are not capable of squirting both thick and thin lubricant.**
8. **Check valve at each nozzle.** Each nozzle has a check valve located as close to its tip as possible to eliminate dripping. Having only one nozzle tip downstream of each check valve is an essential factor in eliminating dripping. **Many electric lubricators use “capillary” tubing and connect more than one nozzle to the output of each solenoid valve. This invites dripping because lower nozzles siphon lubricant from higher nozzles.**
9. **Auto-speed shot placement.** The lubricator recognizes conveyor speed and automatically places the lubricant in the correct locations on the moving conveyor components regardless of conveyor speed. **Squirt type lubricators without this feature require manual sensor adjustment after every speed change.**
10. **Auto fill or central reservoir.** The lubricator has an integral reservoir that includes ports to allow automatic filling from a remote source. The lubricator may also be designed without an integral reservoir to function with lubricant supplied by a remote pump. **Lubricators that use the lubricant supply pressure to obtain the force necessary to squirt lubricant are usually limited to operation only with thinner “dry-film” lubricants.**

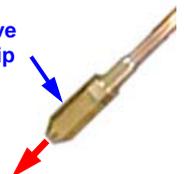


**Thinner than water  
As thick as car oil**



**Check valve at nozzle tip**

**Airless squirt**



**Puts lubricant in the right place regardless of conveyor speed**

**Optional auto fill pump**



Please feel free to contact us with questions and comments. For more information, please read “Lubricating Powder Coating Conveyor Systems” at: <http://gpreeves.com/cat/powdercoat.pdf>