

A lubricator list



7S : スリム・スモール・ショート・シンプル・スマート・スピーディ・サイレント
安全・環境保全・低価格・高品質・CS向上

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Lubrication point

Lubricator		nozzle type	pump type	tank spec.	lub.	points	system	merit	de-merit	
No	Type									
1	Self-fall B M		brush	—	one tank	manual	chain/rail	The oil tank is installed towards the top. The oil fall by deadweight.	①Low price	①Difficult adjust, lubricate is many. ②Abrasion with the brush.
2	Self-fall B A		brush	—	one tank	auto	chain/rail			
3	Air mist T M		mist	—	one tank	manual	bearing	The oil be sent with air, and blow by the mist oil. Oil supply at lubricator unit. Tank is at floor	①Even high viscosity oil can lubricate. ②A cost is comparatively low. ③Oil enters to the depths: lubricate over the whole in a short time.	①It is easy to be scattered in oil in the air. ②possible to reduce to be scattered oil by installing a cover in the lubricator part.
4	Air mist T A		mist	—	one tank	auto	bearing			
5	Air mist PT M		mist	—	pressure tank	manual	bearing			
6	Air mist PT A		mist	—	pressure tank	auto	bearing			
7	Return valve B GP		brush	gear pump	floor	auto	chain/rail	It is lubricate at the time of cut off the sending pressure after send the oil to fixed-valve.	Suitable continuous lubricate ①Can be lubricate a lot of points with one pump. ②Can be change lubricate state by oil nozzle exchange. ③It is hard to let oil scatter in comparison with the air mist in the air.	①If a pump is far, it is hard to take a lubrication timing.
8	Return valve B AP		brush	air pump	floor	auto	chain/rail			
9	Return valve S GP		shot	gear pump	floor	auto	bearing			
10	Return valve S AP		shot	air pump	floor	auto	bearing			
11	Return valve P GP		pipe	gear pump	floor	auto	chain			
12	Return valve P AP		pipe	air pump	floor	auto	chain			
13	Direct valve S GP		shot	gear pump	floor	auto	bearing	The oil discharge at the moment when sent the high pressure oil into fixed-valve. At pinpoint to lubricate is possible.	①At pinpoint, by just timing, by high-frequency, can lubricate a very small amount of oil.	①Solenoid valve, AC tank, return hose are necessary at near the nozzle. ②It is necessary timing detector and control.
14	Direct valve P GP		pipe	gear pump	floor	auto	chain			
<p>A:Use a steel tube or a rigid vinyl hose from the pump unit to the nozzle parts. B:There is a limit to quantity of nozzle and distance. As for the air piston pump, discharge of the oil is constant. C:It is possible for a very small amount with quantity of lubricating by with a resistance orifice. D:As for more than conveyor speed 8m/min about the conveyor chain, continuous lubricating is desirable. Mist type(TM, TA, PT M, PT A), Brush type(BM, BA, B AP, B GP) E:About distance from the tank. /Air pump is about 5m. /Gear pump is about 30m. /Pressure tank is about 30m. Please make these a standard.</p>		<p>Brush lubricate to the carrier</p> <p>B M B A B AP B GP</p>		<p>Shot lubricate to the carrier</p> <p>S AP S GP</p>		<p>Mist oil blow to the</p> <p>P TM P TA Air pump type</p>		<p>Shot lubricate to the carrier</p> <p>S GP Gear pump type</p>		

- ①The ball unit of bearing
- ②Rub points which are moving pin, link, roller, bushing.
- ③Rub plates, rub dogs.
- ④Railroad track surface.

