

- MAXIMISE BEARING AND RELATED EQUIPMENT PERFORMANCE
- RELIABLE, SAFE OPERATION
- VERSATILE



G-POWER

M-POWER

Single-Point Lubricators

Proper lubrication is critical to bearing and machine performance. In fact, poor lubrication is one of the leading causes of bearing failure. To help reduce this, Timken offers the G-Power and M-Power series of single-point lubricators. These gas and motorised units lubricate bearings, chains, guideways, and other equipment, ultimately improving productivity and reducing maintenance costs.

FEATURES AND BENEFITS

- The G-Power and M-Power lubricators distribute precise amounts of grease or oil into your application, simplifying maintenance activities and reducing associated costs.
- Self-operating units provide continuous lubrication over a set time period resulting in reliable performance.
- Timken offers a range of accessories to ease installation even in difficult access areas.
- A wide selection of lubricants is available to suit virtually any application.
- Timken G-Power and M-Power units operate over a broad temperature range to enhance versatility.

VALUE-ADDED MAINTENANCE PROGRAMS

With more than 100 years of expertise in bearings and related technology, Timken understands the importance of proper maintenance procedures in maximizing bearing life. High-quality Timken maintenance products, such as induction heaters, impact fitting tools and pullers help to decrease downtime and lower operating costs. For information about these products or the G-Power and M-Power single-point lubricators, please contact your local Timken sales or service representative.



Model Number	101	102
Name	Gas Lubricator	Gas Lubricator
Part Number <i>(XXX is the lubricant reference)</i>	PG101XXX	PG102XXX
Description	General-purpose lubricator with a metal casing	Transparent, plastic casing designed for high-humidity, high-corrosion or hygienically clean environments
Lubrication Period	Activator screws with black seals: Yellow = 1 month Green = 3 months Red = 6 months Grey = 12 months (standard grease at ambient temperature of 20°C)	Activator screws with pink seals: Yellow = 1 month Green = 3 months Red = 6 months (standard grease at ambient temperature of 20°C)
Volume	120 cm ³	100 cm ³
Max. Pressure	4 bar	4 bar
Ambient Temperature	0° C to 40° C	0° C to 40° C
Approx. Weight	260 g	230 g
Dimensions	Height = 99 mm Diameter = 59 mm Max. Diameter = 70 mm	Height = 104 mm Diameter = 63 mm Max. Diameter = 74 mm

TIMKEN G-POWER SINGLE-POINT LUBRICATORS

Mode of operation: By screwing a colour-coded activator screw into the top of the unit, a gas-generating pellet falls into a reservoir of liquid electrolyte. The resulting chemical reaction builds up pressure inside the unit, which forces a piston forward, and consequently, discharges the lubricant.

The rate of discharge is determined by the selection of the activator screw. The range of standard lubricants can be found on the last page of this brochure.

All units have a G¹/₄ thread.



103	
Gas Lubricator – Low Temperature	
PG103XXX	
Lubricator with a metal casing designed for operation in very low ambient temperature environments	
Black activator screw with black seal:	
Temp.	Discharge Period
+10° C	1 week
±0° C	2 weeks
-10° C	6 weeks
-20° C	14 weeks
-25° C	26 weeks
120 cm ³	
4 bar	
-25° C to +10° C	
260 g	
Height = 99 mm Diameter = 59 mm Max. Diameter = 70 mm	

M-POWER (MOTORISED LUBRICATOR)

Model Number	300	400
Name	Variable Drive	Controlled Drive
Description	General purpose lubricator with a plastic case and replaceable lubricant cartridge (either 120 or 250 cm ³). The battery-powered electromechanical drive is reusable.	Programmable lubricator with a plastic case and replaceable lubricant cartridge (either 120 or 250 cm ³). The electromechanical drive is connected to your machine and is reusable.
Drive Unit Part Number	PM202000	PM203000
Lubrication Cartridge Part Number (XXX is the lubricant reference)	Replacement set (includes battery and lubricant cartridge): 120 cm ³ unit: order as PM241XXX 250 cm ³ unit: order as PM281XXX	Lubricant cartridge: 120 cm ³ unit: PM240XXX 250 cm ³ unit: PM280XXX
Lubrication Period	Can be set to 1,3,6 or 12 months	Variable according to set-up
Max. Pressure	5 bar	5 bar
Ambient Temperature	-10° C to +50° C	-10° C to +50° C
Approx. Weight	With 120 cm ³ unit = 498 g With 250 cm ³ unit = 652 g	With 120 cm ³ unit = 430 g With 250 cm ³ unit = 590 g
Dimensions	Height: 120 cm ³ unit = 165 mm 250 cm ³ unit = 215 mm Max diameter: 71 mm	Height: 120 cm ³ unit = 165 mm 250 cm ³ unit = 215 mm Max diameter: 71 mm

TIMKEN M-POWER SINGLE-POINT LUBRICATORS

The M-Power consists of a drive unit (with battery for the variable drive unit) and a replaceable lubricant cartridge. The battery should be replaced whenever the lubricant cartridge is changed.

Mode of operation: the intermittent drive slowly winds the piston down a thread, which forces out the lubricant. The unit can

be turned on and off at any time. The operating mode of the unit can be seen from the LED display (the modes of operating, discharging, empty lubricant cartridge and malfunctioning are indicated).

All self-supporting units should be used with the support adapter (PA800150) which has a G¹/₄ thread.



ACCESSORIES

Timken offers a wide range of accessories including brackets, adapters, hose extensions mountings and more to configure G-Power and M-Power lubricators to your application. Special equipment is also available for specific applications.

Please contact your local Timken sales representative for more information.

LUBRICANTS

Lubricant	Reference	Application	Temp. Range	Base	Thickener	NLGI-cl.
Multi-purpose grease	601	Roller bearings Sliding bearings Guideways	-25°C to +130°C	Mineral	Li	2
Extreme pressure grease	602	High loads	-30°C to +120°C	Mineral	Li+MoS2	2
High-temperature grease 220	603	High operating temperatures	-20°C to +220°C	Synthetic	PHS	0/1
High-temperature grease 160	604	High operating temperatures	-20°C to +160°C	Mineral	PHS	0/1
High-temp./extreme pressure grease	605	High operating temperature/load	-20°C to +160°C	Mineral	PHS+MoS2	0/1
Fluid grease	606	Narrow tubes	-20°C to +130°C	Mineral	Al-Complex	0
Low-temperature grease 50	607	Low operating temperatures	-50°C to +150°C	Synthetic	Li	2
High-performance oil	608	Open gears & lubrication with brushes	-20°C to +250°C	Synthetic	-	-
Multi-purpose oil	609	Heavy contamination	-10°C to +100°C	Mineral	-	-
Bio grease	610	Roller bearings Sliding bearings Open gears	-20°C to +120°C	Synthetic	PHS	1
Bio oil (thin bodied)	611	Chains Open gears Heavy contamination	-25°C to +160°C	Synthetic	-	-
Bio oil (thick bodied)	612	Chains Open gears	-20°C to +160°C	Synthetic	-	-
Food-grade grease	613	Registered according KPHC1K-40 to USAD-H1	-40°C to +120°C	Mineral/ Synthetic	Al-Complex	1/2
Food-grade oil	614	Registered according KPHC1K-40 to USAD-H1	-25°C to +130°C	Synthetic	-	-

The lubricant reference (a 3-digit number) is either stamped on the top of the unit (PG101/PG102) or printed on the label (PG103/PM240/PM280).

Many other lubricants are also available. Please contact your Timken representative for more information.