

TM type automatic intermittent lubrication pump

The TM type automatic intermittent lubrication pump delivers a measured dose of oil at a fixed interval, driven by a synchronous timer motor built into the pump head. Because the interval is set by the motor itself, the pump needs no external timer or controller to run an intermittent lubrication cycle.

Discharge volume is adjusted at the pump using the E-ring on the metering stem, over a range of 1 to 3 mL/cycle on TM3 models and 3 to 6 mL/cycle on TM6 models. The intermittent period is fixed by the motor fitted, and is available at 2.4, 6, 12, 15, 30, 60 or 120 minutes on a 50 Hz supply.

The TMS variant is built on the same mechanism in a smaller body, with a 1.2 L reservoir against the 2.0 L reservoir of the TM, for use on small and medium sized machinery where space is limited. Both share the same discharge range, discharge pressure and outlet size.

The reservoir is transparent so the oil level can be read at a glance, and a suction filter sits inside the tank. An oil level switch is available for machines that need a low-level alarm or interlock.

The pump works with resist-type distributors to form a resist type lubrication system, delivering oil to each lube point in proportion. It is used on weaving and spinning machines, machine tools and other light industrial machinery.



TM-615G — 2.0 L reservoir



TMS-615 — 1.2 L reservoir

Pump specifications

Model	TM 3XXX	TM 6XXX	TMS 3	TMS 6
Oil discharge volume	1–3 mL/cycle	3–6 mL/cycle	1–3 mL/cycle	3–6 mL/cycle
Oil discharge pressure	0.3 MPa (max)	0.3 MPa (max)	0.3 MPa (max)	0.3 MPa (max)
Oil reservoir capacity	2.0 L	2.0 L	1.2 L	1.2 L
Effective capacity	1.5 L	1.5 L	0.8 L	0.8 L
Outlet diameter	M8×1 (ø4 pipe)	M8×1 (ø4 pipe)	M8×1 (ø4 pipe)	M8×1 (ø4 pipe)

Intermittent period, all models: 2.4/2, 6/5, 10/12, 15/12.5, 30/25, 60/50 and 120/100 min at 50/60 Hz.

Motor technical parameters

Synchronous motor. The motor fitted determines the intermittent period; specify the period required when ordering.

Pump model	Motor 110V	Motor 220V	Interval 50 Hz	Interval 60 Hz	Rotary speed 50 Hz
TM32 / TMS32	J205-262	J205-263	2.4 min	2 min	25 rpm
TM6 / TMS6	J205-166	J205-167	6 min	5 min	10 rpm
TM12 / TMS12	J205-754	J205-156	12 min	10 min	5 rpm
TM15 / TMS15	J205-753	J205-755	15 min	12.5 min	4 rpm
TM30 / TMS30	J205-749	J205-752	30 min	25 min	2 rpm
TM60 / TMS60	J205-748	J205-751	60 min	50 min	1 rpm
TM120 / TMS120	J205-747	J205-750	120 min	100 min	0.5 rpm

Operating current is below 60 mA at 110V and below 50 mA at 220V; input power is below 5 W at 110V and below 4 W at 220V, varying with the motor fitted. Rotary speed at 60 Hz is not listed here because the manufacturer's published table is internally inconsistent for one model — ask us if you need it.

Oil level switch

Maximum on/off capacity	AC 20 VA, DC 25 W
Maximum on/off current	AC 0.33 A, DC 0.5 A
Maximum on/off voltage	AC 250 V, DC 200 V