

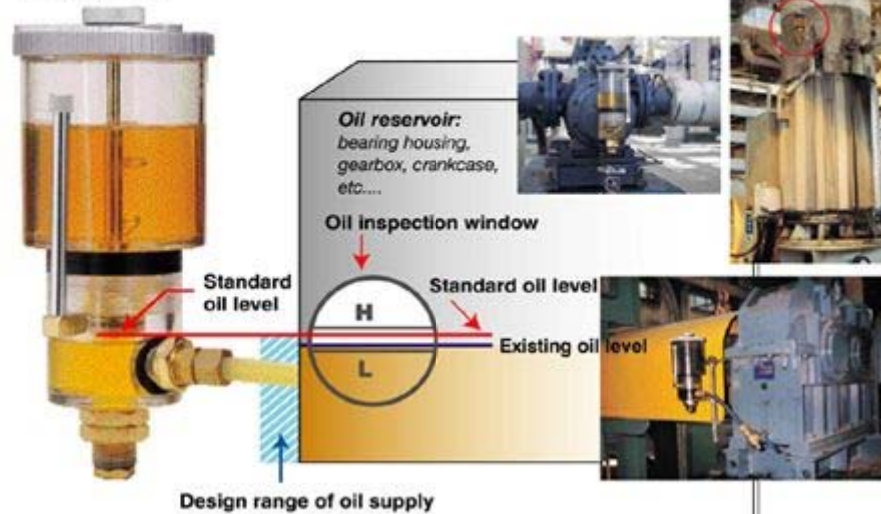


OPECL

The Oil Monitor (TOM)

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Installation Diagram



- **RIGHT TIME and VOLUME:** Oil topped up only when needed.
- **ZERO LOSS:** Eliminates equipment wear and failure due to low or improper oil supply.
- **ONCE ONLY:** No ongoing adjustments after installation.
- **TIMELY:** TOM provides constant and accurate Oil Level Monitoring.
- **SAFETY:** TOM simplifies "Preventive Maintenance" inspections!
- **RELIABLE:** TOM utilizes only gravity and atmospheric pressure.
- **CHEAP TO RUN:** No electric or battery power required.
- **SIMPLE:** No further manual adjustments required once installed.
- **FAST:** Rapid inspection for contamination by Oil / Water / impurities.

TOM is suitable for Splash Lubrication
of machinery with cranks, bearings and gear housings.

The Oil Monitor (TOM)

Proper oil levels must be maintained, at all times, to optimize equipment performance and life.

Low Levels: Excessive wear, overheating, breakdowns, downtime...etc, etc.

High Levels: Increased resistance, higher oil temperatures, foaming, seal shrinkage and then seal leakage... etc, etc.

1. **TOM** maintains constant and accurate oil levels, continuously.
2. **TOM** automatically compensates for oil leakage or consumption, Labor free!
3. **TOM** has a transparent reservoir so oil level is easy to see.
4. **TOM** enables simple comparison of oil consumption between similar machines and provides early warning of impending maintenance.
5. **TOM** provides easy access for periodical cleaning, if required. The lower reservoir enables inspection for potential contamination of oil / water / impurities.
6. **TOM** allows for the oil reservoir to be isolated in order to clean it.
7. **TOM** allows the oil level in the reservoir to be topped up without shutting down the machine.

BENEFITS

1. Automatically maintains oil at the designed level.
2. Contaminants in oil are easy to detect in the oil when circulating through the lower chamber.
3. Able to spot-check volume and condition of unused oil in the transparent reservoirs.
4. Easy identification of excessive oil usage. Can the program early scheduling of R & M.
5. Simple isolation of the oil reservoir and base with a 3-way valve allows removal of the remains of used oil from the reservoir.
6. If the oil level is low, it can be refilled instantly without shutting down the machine.
7. The lubricating oil level can be adjusted to the optimum position while the machine is in operation.



USA PAT. NO.
5788013



TAIWAN PAT.
NO. 118213



CHINE PAT. NO.
ZL97 2 00445.9



GERMANY PAT
NO. 296 20 411.0



JAPAN PAT NO. 3040272



Patented In:
USA, China,
Japan, Taiwan
& Germany...etc.

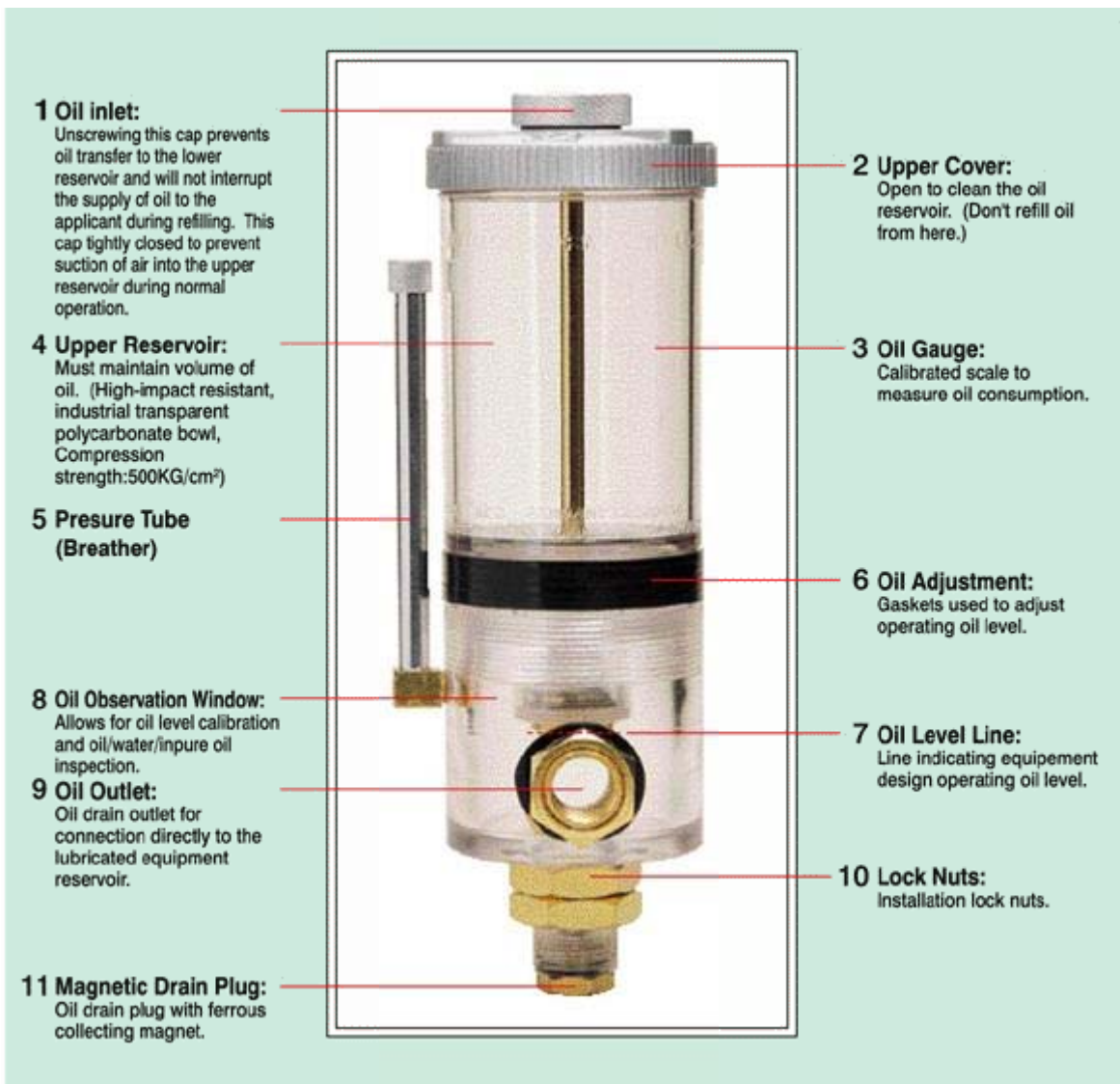


The installation components are optional



SPECIFICATION

Item #	Dimension (HxDia)/ mm	Reservoir/Base	Other Components	O-ring/Gasket	Temperature (C)	Volume (ml)
TOM-1000	290mm X 122mm	High-impact polycarbonate	Alum./Bronze Stainless steel	NBR-70,80 DURO (BUNA-N)	-20°C~125°C	1000ml
TOM-500	290mm X 91mm					500ml
TOM-125A	220mm X 82mm					125ml
TOM-250A	250mm X 82mm					250ml
TOM-500A	260mm X 91mm					500ml
TOM-1000A	260mm X 122mm					1000ml



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