WINNER
DEMING GRAND PRIZE

CKA Birla Group | nbc®



NBC Single Point Lubricator

Precision Lubrication.
Zero Guesswork.

WINNER
DEMING GRAND PRIZE

nbc®
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NBC Single Point Lubricator

Automatic lubrication for improved equipment reliability

Lubrication is critical to the reliability and operating life of bearings and rotating equipment. NBC Single Point Lubricators provide controlled, automatic grease delivery at the lubrication point, helping ensure the right lubricant, right quantity and right time.

REFILLABLE | REUSABLE | PROGRAMMABLE | UP TO 10 BAR

Designed, Developed & Made in India





Why Automatic Lubrication?

RIGHT LUBRICANT. RIGHT QUANTITY. RIGHT TIME. RIGHT POINT.

UNDER-LUBRICATION
- Friction • Temperature • Wear

OVER-LUBRICATION
- Temperature • Churning losses • Seal damage • Leakage

INCONSISTENT LUBRICATION
- Variable quantity • Variable frequency • Missed schedules

DIFFICULT ACCESS
- Height • Inside equipment • Hazardous / restricted areas

TWO POWER OPTIONS. ONE SMARTER LUBRICATION SOLUTION.

	NBC AutoLube-E	NBC AutoLube-B
Power	Direct Supply	Battery
Battery	No battery required	Reusable battery system
Capacity	250 g	250 g
Dispensing (Customised)	1–12 months	1–12 months
Pressure	Up to 10 bar	Up to 10 bar
Grease	Mineral-oil-based grease*	Mineral-oil-based grease*
Grease Grade	Up to NLGI 2*	Up to NLGI 2*
Container	Refillable & reusable	Refillable & reusable
Manual Override	✓	✓
LED Status	✓	✓
ON/OFF	✓	✓
Remote Mounting	Up to 2 m*	Up to 2 m*
Wi-Fi	Optional	Optional

AUTO LUBE-E
DIRECT SUPPLY | BATTERY-FREE

Automatic lubrication without batteries. Ideal where continuous electrical supply is available and battery-free operation is preferred.

AUTO LUBE-B
BATTERY | REUSABLE SYSTEM

Geared-motor-operated automatic lubricator designed for programmable grease dispensing where direct electrical supply is unavailable.



INTELLIGENT TECHNOLOGY

SMART MOTOR & PISTON CONTROL

NBC AutoLube-B uses a microprocessor-based control system to monitor the dispensing mechanism.

Integrated sensing monitors motor rotation and piston movement to help identify abnormal operating conditions.

AUTOMATE THE LUBRICATION POINT

Consistent Lubrication. Less Manual Intervention.

Improved lubrication consistency
Controlled supply of lubricant.

Reduced maintenance intervention
Fewer manual lubrication visits.

Reduced over/under lubrication risk
Programmable lubricant delivery.

Improved maintenance safety
Less exposure to difficult-to-access points.

Better workforce utilisation
Maintenance personnel can focus on higher-value activities.

Potential reduction in lubrication-related failures
Consistent lubrication can contribute to improved equipment reliability when correctly applied.

TECHNOLOGY + APPLICATIONS + NBC ADVANTAGE

Why Single Point Lubrication?

INDEPENDENT LUBRICATION AT EVERY POINT

NO COMPLEX TUBING NETWORK
No extensive distribution tubing or manifolds.

POINT-LEVEL OPERATION
Each lubrication point has its own lubricator.

LOCAL STATUS FEEDBACK
LED indication at the individual lubrication point.

FLEXIBLE GREASE SELECTION
Fill with suitable compatible grease for the application.

PROGRAMMABLE DELIVERY
Set the dispensing period according to bearing/machine requirements.

REFILL. REUSE. RE-LUBRICATE.

A SMARTER APPROACH TO LUBRICATOR CONSUMABLES

250 g Refillable Container

REFILL → **REUSE** → **REDUCE WASTE** → **LOWER RECURRING COST**

Fill with suitable compatible grease

Reuse for subsequent lubrication cycles

Minimise disposable cartridge waste

Reduce dependence on disposable cartridges

YOUR GREASE. YOUR APPLICATION. YOUR LUBRICATION STRATEGY.

Grease compatibility must be verified based on application, temperature, grease consistency, base-oil viscosity and manufacturer's recommendations.

AUTOMATIC PRESSURE RELIEF

When a maximum-pressure condition is detected, the controller can command reverse motor rotation to help de-pressurise the lubricant container.

Benefits

- ✓ Helps reduce pressure build-up
- ✓ Helps protect internal components
- ✓ Supports reliable operation
- ✓ Facilitates removal of detachable components
- ✓ Intelligent response to abnormal pressure conditions

KEY NBC ADVANTAGES

01 | REFILLABLE
Reusable 250 g lubricant container.

02 | REUSABLE POWER SYSTEM
EC1-250 designed for multiple lubrication cycles.

03 | UP TO 10 BAR
High output pressure capability for demanding lubrication applications.

04 | 1–12 MONTH PROGRAMMING
Set the dispensing interval according to application requirements.

05 | STATUS FEEDBACK
LED indications for key operating conditions.

06 | DIRECT-SUPPLY OPTION
ECS1-250 eliminates the requirement for batteries.

Compatible with suitable mineral-oil-based grease up to NLGI 2*.

08 | OPTIONAL CONNECTIVITY
Wi-Fi and IoT versions available.

09 | MADE IN INDIA
Designed, developed and manufactured in India.



BUILT FOR INDUSTRIAL ROTATING EQUIPMENT

Equipment

Built For Industrial Rotating Equipment

Pumps | Conveyor Drives | Blowers & Fans | Industrial Rollers | Heavy Electrical Motors | Material Handling Equipment | Chains & Open Gears | Plummer / Pillow Block Bearings

Industries

POWER
Power plants & utility equipment

MINING
Mining equipment & material handling

REFINERIES
Process and rotating equipment

STEEL
Steel plants & continuous process equipment

PAPER
Paper mills & process equipment

DEFENCE
Industrial and support equipment

CEMENT
Cement plants & material handling systems

MARINE & OFFSHORE
Marine and offshore equipment

GENERAL INDUSTRY
Manufacturing and process industries

Applications Where Automatic Lubrication Matters

DIFFICULT-TO-ACCESS POINTS
Reduce frequent manual visits to lubrication points located at height or inside equipment.

CRITICAL ROTATING EQUIPMENT
Support a controlled lubrication regime for critical bearings and rotating machinery.

HIGH-FREQUENCY LUBRICATION
Automate repetitive lubrication requirements.

HAZARDOUS / RESTRICTED AREAS
Help reduce maintenance personnel exposure where manual lubrication access is challenging.

Area classification and product suitability must be verified before installation.

MAKE EVERY LUBRICATION POINT SMARTER.

NBC SINGLE POINT LUBRICATOR

When customers expect quieter, smoother, and more dependable equipment, every component matters. NBC EMQ Bearings help manufacturers reduce noise, minimize vibration, enhance reliability, and deliver a superior product experience.

Talk to NBC for:
Application Selection | Grease Compatibility | Lubrication Interval | Installation Support

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