

LUBRISTATION™ ALEX

Technical Specification & Product Portfolio



Lubretec bv — Lubrication Equipment & Reliability Solutions

Industrial Best-Practice Oil Management, Fluid Conditioning & Contamination
Control Systems Official Product Portal: <https://lubretec.com/lubristation-alex/>

PRODUCT INTRODUCTION

Establishing Lubrication Reliability™

The **Lubristation™ Alex** represents the absolute cutting edge in professional industrial oil management and storage engineering. Developed by Lubretec, this plug-and-play station serves as a comprehensive central utility designed to transition facility plants from reactive maintenance to proactive, world-class **Lubrication Reliability™** standards.

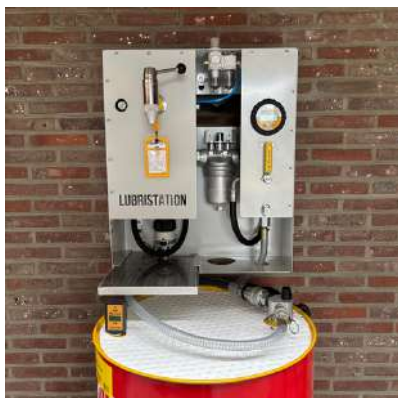
WHY FLUID CONDITIONING MATTERS

It is a documented industrial reality that brand-new lubricants, directly out of shipping containers or delivery trucks, rarely comply with the strict ISO 4406 cleanliness classifications demanded by tight mechanical clearances in high-performance gearboxes, hydraulic pumps, and bearing assemblies. Ingress of atmospheric humidity and micro-particulate airborne dust during basic storage and manual transfer accounts for up to 80% of all premature component failures.

The Lubristation™ Alex comprehensively counters these operational vulnerabilities. By bringing fluid media up to optimized baseline target cleanliness before it ever contacts machinery, plant operators drastically limit machinery wear, optimize running efficiency, minimize oil waste, and help to achieve compliance with modern TPM, OSHA, and global safety standards.

COMPREHENSIVE SYSTEM WORKFLOW

- **Isolate:** Total physical protection utilizing robust drum adapters and premium ambient desiccant breathers to seal the oil reservoir from external factory dirt and water vapor.
- **De-contaminate:** Continuous, closed-loop conditioning by filtering new purchased oils from all kind of contamination, using high capacity filter cartridges (standard unit cannot be used with MOS2 etc.).
- **Dispense:** High-purity, inline-filtered fluid distribution via anti-splash taps coupled with colour-coded indexing systems to prevent catastrophic cross-contamination accidents.



THE ALEX FAMILY

Three Solutions. One Mission.

The Lubristation™ ALEX range is CE Certified and has been developed to establish best-practice lubricant management throughout every stage of lubricant storage, conditioning and dispensing. Whether your priority is clean oil storage, contamination control, lubricant filtration or additive remixing, there is an ALEX configuration to match your operational requirements.

Together, these three systems form the foundation of the Lubristation™ ALEX platform - our **"Three Musketeers" of lubrication reliability**. A true off-the-shelf solution!

LU-LWMA101

Lubristation™ ALEX Standard Filtration Unit

The complete lubricant management solution featuring integrated filtration, closed-loop circulation, contamination control, oil sampling and clean dispensing capabilities.

Best suited for: Facilities seeking maximum lubricant cleanliness and reliability.

LU-LWMA102L

Lubristation™ ALEX Light

A compact dispensing and distribution solution providing clean lubricant storage and controlled dispensing without integrated filtration.

Best suited for: Daily lubricant handling and contamination prevention.

LU-LWMA103R

Lubristation™ ALEX Remix

Designed for lubricants containing additives that require periodic recirculation and homogenisation. Ideal for oils containing graphite, MoS₂ and other settling additives.

Best suited for: Specialty lubricants requiring remixing and circulation.

One Platform – Multiple Configurations

All Lubristation™ ALEX systems share the same principles:

- ✓ Prevent contamination ingress
- ✓ Improve lubricant handling practices
- ✓ Reduce lubrication-related failures
- ✓ Support Lubrication Reliability™ programmes
- ✓ Create a safer and cleaner workplace

Three Solutions. One Mission.

LU-LWMA101

Lubristation™ ALEX Standard Filtration Unit The Complete Lubricant Management Solution

The LU-LWMA101 is the flagship Lubristation™ ALEX system and forms the foundation of the entire ALEX platform. Combining contamination control, filtration, sampling, storage and dispensing in one integrated solution, it enables facilities to establish world-class lubrication reliability standards.

By continuously conditioning lubricants before they enter machinery, the system helps reduce component wear, extend lubricant life and minimise the risk of contamination-related failures.

Key Benefits

- Integrated 10µ filtration system (optional 3µ upgrade)
- Closed-loop oil conditioning and polishing
- Desiccant breather moisture protection
- Oil sampling port for condition monitoring
- Digital consumption monitoring
- Contamination-free dispensing
- Supports ISO 4406 cleanliness targets
- Suitable for hydraulic, gear and industrial lubricants
- CE Certified
- Off-the-shelf Solution
- Fast installation (One-Person Installation)
- Ready-to-Use; Easy Operation

Recommended Applications

Hydraulic systems • Gearboxes • Industrial machinery •
Manufacturing plants • Reliability-centred maintenance
programmes

Why Choose the LU-LWMA101 ?

For organisations committed to maximising equipment reliability, the LU-LWMA101 delivers the highest level of lubricant cleanliness, contamination control and operational performance within the ALEX range.



Lubristation™ ALEX is fully compatible with **Intermediate Bulk Containers (IBCs)**, providing the same closed-loop filtration, contamination control, moisture protection and clean dispensing capabilities as with standard drums. Using dedicated adapters and connection kits, ALEX can be seamlessly integrated with IBC storage systems, enabling efficient lubricant conditioning, circulation and transfer while maintaining a sealed, contamination-free environment. **This makes ALEX an ideal solution for facilities handling larger lubricant volumes and centralised lubricant storage.**

Three Solutions. One Mission.

LU-LWMA102L

Lubristation™ ALEX Light

A practical lubricant storage and dispensing solution designed for facilities that require clean, organised and contamination-controlled lubricant handling.

Key Features

- Clean lubricant storage
- Desiccant breather protection
- Contamination-free dispensing
- Lube ID colour coding
- Compact and cost-effective design



Ideal For

Daily lubricant handling and storage applications where filtration is not required.

LU-LWMA103R

Lubristation™ ALEX Remix

Designed for lubricants containing additives that settle during storage. The integrated circulation system continuously remixes lubricant additives to maintain a homogeneous lubricant condition.

Key Features

- Additive remixing capability
- Closed-loop circulation
- Suitable for MoS₂ and graphite lubricants
- Contamination-controlled storage
- Clean dispensing system



Ideal For

Suitable for MoS₂, graphite and other solid additive lubricants.

The 3 versions of Lubristation™ ALEX unit

LUBRISTATION™	ALEX Standard	ALEX Remix	ALEX Light
			
Part nr.	LU-LWMA101	LU-LWMA103R	LU-LWMA102L
Key operation	All functions	Mixing lubricant	Dispenser only
Suction Tube <i>Function:</i> Submerges directly into the oil reservoir (drum, tank, or IBC) to pull the fluid into the system smoothly without introducing bottom-sediment turbulence.	✓	✓	✓
Heavy-Duty Industrial Air Piston Pump <i>Function:</i> The main driving force of the system; uses pneumatic power to efficiently transfer high-viscosity industrial lubricants through the filtration and conditioning circuits.	✓	✓	✓
Integrated Air Supply Conditioning Unit <i>Function:</i> Filters, regulates, and lubricates the incoming compressed air line to protect the pneumatic pump from internal moisture and rust.	✓	✓	✓
Desiccant Breather <i>Function:</i> High-capacity silica gel dryer that actively strips moisture and particulate matter from the atmospheric air entering the container as oil levels fluctuate.	✓	✓	✓
Drum Adapter <i>Function:</i> A secure, sealed connection bung that mounts directly to the drum opening, ensuring an airtight seal while neatly routing the suction, return, and breather lines.	✓	✓	✓
3-Way Valve (2 mode Dispense or Loop Filtration) <i>Function:</i> The control manifold that allows operators to flip between active dispensing or running a continuous, closed-loop "kidney-loop" decontamination process on the stored oil.	✓	✓	X
Hydraulic Filter (10 µm standard / 3 µm optional) <i>Function:</i> The primary contamination defense core; passes the oil through a high-efficiency absolute media element to catch microscopic abrasive particles before they reach machinery.	✓	X	X
Filter Saturation Indicator <i>Function:</i> A differential pressure gauge mounted directly on the filter housing that clearly signals when the internal element is clogged and requires a swap.	✓	X	X
Return Tube <i>Function:</i> Safely routes clean, filtered oil back into the source reservoir during closed-loop conditioning cycles without splashing or creating aeration.	✓	✓	X

The 3 versions of Lubristation™ ALEX unit

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Part nr.	LU-LWMA101	LU-LWMA103R	LU-LWMA102L
Key operation	All functions	Mixing lubricant	Dispenser only
Digital Consumption Meter <i>Function:</i> An inline electronic flow meter that tracks, totalizes, and displays the exact volume of lubricant dispensed for precise inventory and traceability.	✓	✓	✗
Oil Sample Valve (Standard M16 × 1,5) <i>Function:</i> A dedicated, live-zone sampling port that allows technicians to extract clean oil samples for laboratory analysis without exposing the fluid system to external air.	✓	✓	✗
Oil Dispensing Tap <i>Function:</i> A heavy-duty, drip-free manual tap bar engineered for clean, controlled filling of top-up containers like OilSafe® cans.	✓	✓	✓
Integrated Removable Drip Tray <i>Function:</i> Positioned directly under the dispensing tap to catch any stray drops during container filling, keeping the workspace pristine and maintaining workplace safety.	✓	✓	✓
Extra Adapter Hose Reel or Flexible <i>Function:</i> An auxiliary flexible line expansion that extends the unit's reach for filling larger machinery reservoirs or transferring fluids to external systems nearby.	✓	✓	✓
Lube ID Colour Kit <i>Function:</i> A 10-colour and symbol cross-contamination prevention system applied directly to the ALEX components to instantly match the unit to its dedicated oil type.	✓	✓	✓
Drum Content Meter (DigoLevel) <i>Function:</i> An integrated visual or digital level indicator providing real-time tracking of remaining lubricant volume inside the source reservoir. <i>Option</i>	✓	✓	✓

COMPONENT 01

Heavy-Duty Industrial Air Piston Pump

The pneumatic driving force behind the platform, managing fluid transfer through filtration circuits and dispensing lines without introducing bottom-sediment turbulence.

- **Compatibility:** Ideal for high-viscosity industrial gear, hydraulic, and engine oils.
- **Operation:** Driven by clean, dry, and lubricated compressed air **for low maintenance.**

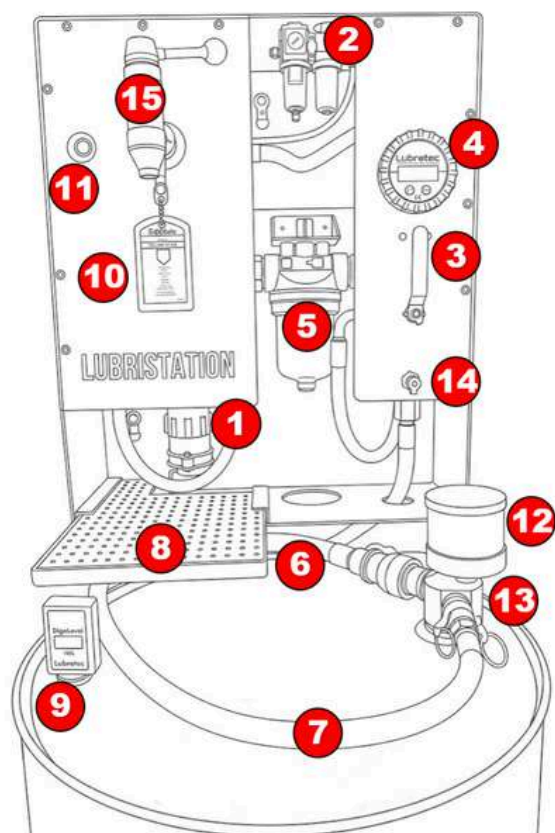


COMPONENT 02

Integrated Air-Supply Conditioning Unit

A self-contained plug-and-play module that filters, regulates, and lubricates incoming shop air lines to protect the internal pneumatic pump from moisture and rust.

- **Pressure Regulation:** Monitored via an integrated analog gauge block capped safely at 4 bar (~60 psi).
- **Air Criteria:** Requires a minimum 600 L/min; consumes ca. 300\ L/min during continuous operation.



COMPONENT 03

Closed-Loop Capability

A manual control manifold that allows operators to seamlessly flip between active dispensing or running a continuous "kidney-loop" decontamination process.

- **Loop Filtration:** Cleans oil directly within the reservoir to hit strict ISO 4406 targets. (Decontamination interval: 1–3 hours per 200L drum).
- **Remixing:** Recirculates heavy, settled additives into suspension

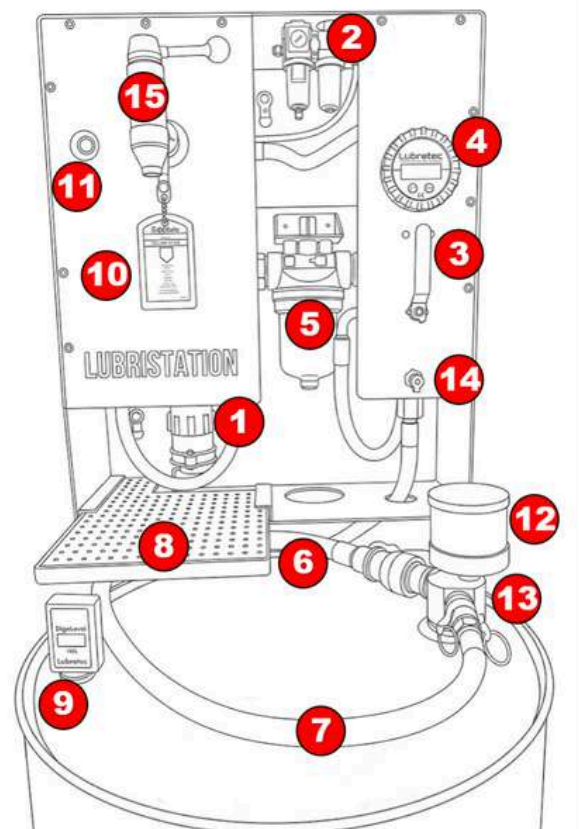


COMPONENT 04

Digital Consumption Monitoring

An absolute precision inline electronic flow meter integrated directly into the fluid core, providing full data custody over usage analytics.

- **Metrics:** Tracks real-time dispensing rates and logs cumulative volumes for lean store inventory management and predictive maintenance (PdM) tracking.



COMPONENT 05

Integrated Lubricant Filtration

The mechanical cleanup powerhouse of the station, isolating microscopic particulate debris during every circulation loop.

- **Options:** Pre-equipped with a 10 μ absolute hydraulic element (optional 3 μ absolute upgrade available).
- **Golden Rule:** Oil media must cycle through the filter matrix 5 to 7 times for full baseline decontamination results. Viscosities supported up to 680 cSt.

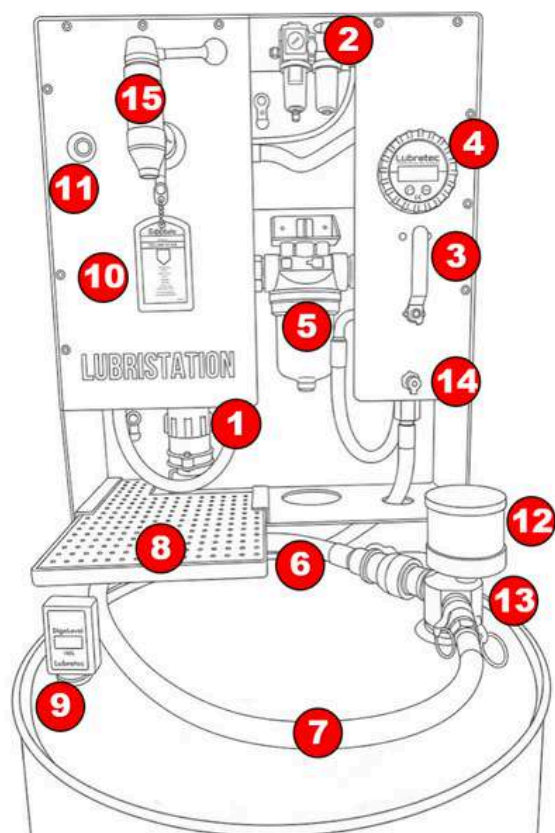


COMPONENT 06/07

Suction & Return Hoses

Heavy-wall, industrial-grade flexible pipes featuring premium flush-face, dry-break industrial quick couplers to ensure zero environmental exposure.

Function: The suction tube draws raw fluid from the absolute floor of the drum, while the return tube re-introduces filtered fluid without splashing or aeration.



COMPONENT 08

Integrated Removable Drip Tray

A workbench safety and housekeeping module positioned directly under the dispensing tap to catch stray drops, accidental splashes, and container runs.

- **Design:** Features a perforated heavy metal surface pattern that instantly drains fluid away, keeping the container rest zone pristine. Slides out easily for rapid cleaning.

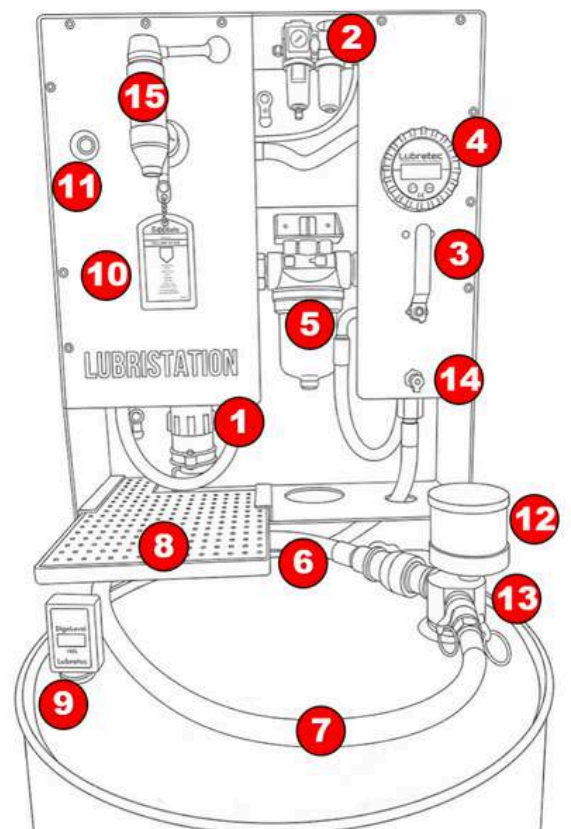


COMPONENT 09

DigOLevel S200L Oil/Fluid Meter

An advanced optional digital telemetry level monitoring instrument, designed explicitly for standard 200L industrial steel drums.

- **Diagnostics:** Crisp electronic screen outputs live remaining volume inventory alongside real-time oil temperature, profiling (10°C to 40°C envelope) with threshold safety alarms.

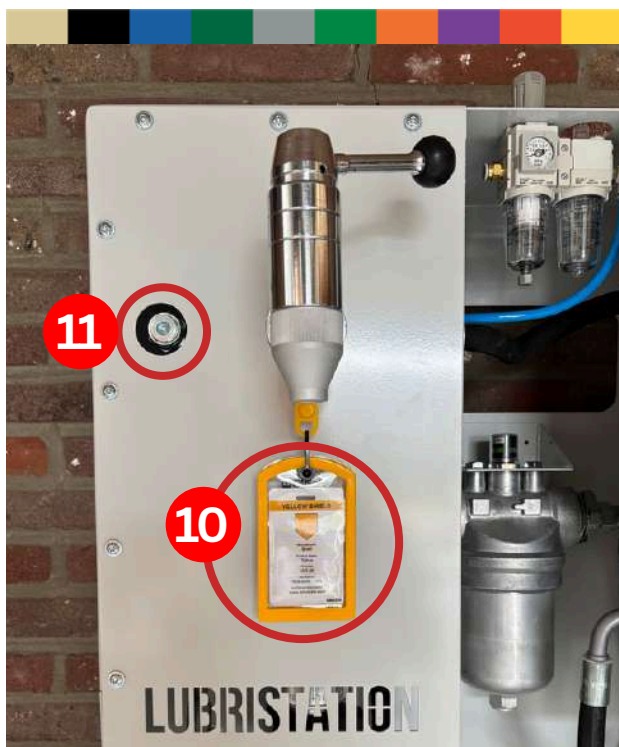


COMPONENT 10

Lube ID Kit

A plant-floor cross-contamination prevention system applied directly to active components to instantly match the unit to its dedicated oil type.

- **Design:** Utilizes 10 unique coding combinations of highly contrasting colors and geometric shapes. Fully compatible with OilSafe® frameworks to enforce strict operator discipline.

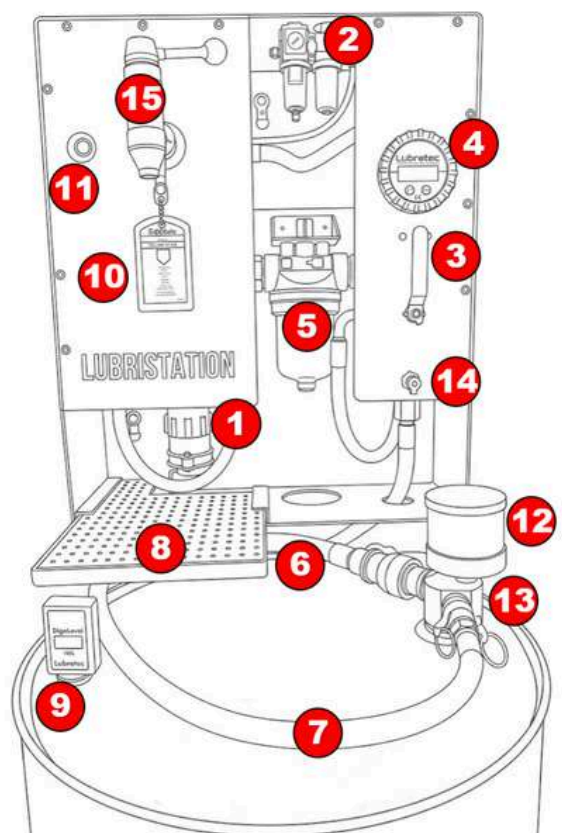


COMPONENT 11

External Hose Reel / Flexible Hose Adapter

A premium optional mechanical expansion frame designed to extend the fluid transfer radius of the station.

- **Extension:** Connects up to 15 meters of high-pressure hose to service remote machinery or bulk reservoirs that cannot be moved next to the station. Can be paired with a metered flow pistol.



COMPONENT 12

Desiccant Breather & Moisture Protection

A high-capacity silica gel air dryer that forms an unyielding barrier over the fluid reservoir, stripping water vapor and airborne dust down to microscopic levels.

- **Equalization:** Dynamically filters all replacement air filling the headspace as oil levels fluctuate during pumping.

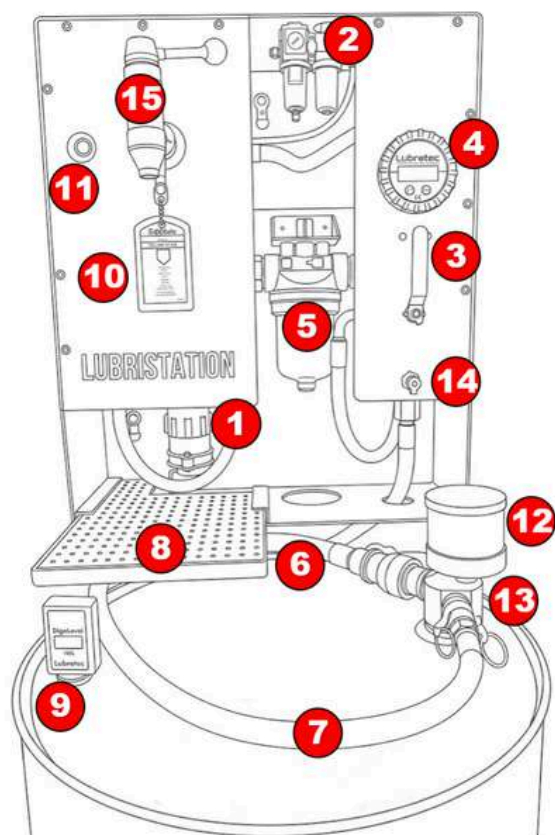


COMPONENT 13

Drum Adapter

A robust mechanical manifold that establishes an absolute hermetic seal link directly over standard 20L, 50L, and 200L OEM industrial steel drum bungholes.

- **Integration:** Acts as the secure anchoring seat for the desiccant breather while neatly routing the suction, return, and air lines in a completely sealed environment.



COMPONENT 14

Oil Sampling Port

A dedicated live-zone diagnostic sampling valve assembly (Standard M16 x 1.5) designed for rapid, contamination-free extraction of pressurized lubricant.

- **Purpose:** Allows reliability teams to log baseline properties of new oil deliveries or verify ISO 4406 cleanliness parameters before transferring fluid to plant assets.

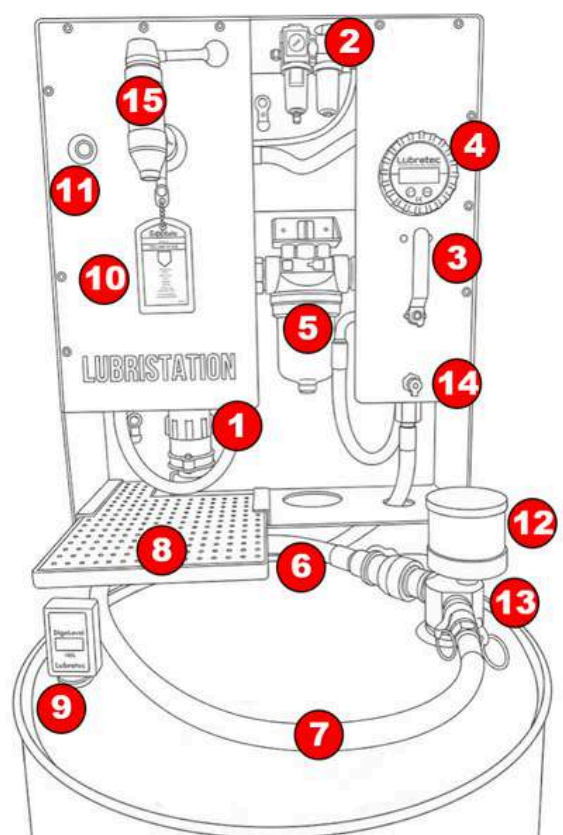


COMPONENT 15

Oil Dispensing Tap

The core interface for clean fluid delivery, engineered to facilitate ultra-smooth, drip-free manual top-up container transfers at the station workbench.

- **Design:** Incorporates an anti-splash nozzle geometry and an integrated anchor seat paired directly to the Lube ID color tags to eliminate human filling errors.



ADDITIONAL COMPONENTS & ACCESSORIES

Extend capabilities of Lubristation™ ALEX

A range of optional Lubretec accessories is available to further enhance lubricant management, contamination control and dispensing flexibility. These components allow the Lubristation™ ALEX to be configured for specific operational requirements and reliability objectives.

LT-S200L200S

DigOLevel Digital Drum Content Meter

Provides real-time monitoring of lubricant inventory levels and temperature. Integrated alarm functions support proactive stock management and operational control.

LU-RE411ATX300

Anti-Static Grounding Cable

Designed for steel drums and similar reservoirs where electrostatic discharge protection is required during lubricant transfer operations.

LU-LCUSF003AS / LU-LCUSF010AS

Anti-Static Filter Cartridge

Specially developed for static-sensitive lubricants. Ensures effective filtration while reducing the risk of static charge generation within the filter element.

LA-SAMPKIT.STD

Standard Flow Oil Sampling Kit

Enables fast, clean and repeatable lubricant sampling for condition monitoring, contamination analysis and oil quality verification.

LU-TRB102112

Metered Dispensing Gun

Combines controlled lubricant delivery with integrated flow measurement, providing accurate dispensing and consumption tracking.

LU-LCUSF003

High-Efficiency 3µ Filter Cartridge

Optional upgrade for applications requiring enhanced cleanliness levels. Supports achieving stricter ISO 4406 contamination targets.



Extra Dispensing Hose Reel (up to 15 m)

Extends the dispensing range of the Lubristation™ ALEX, allowing lubricant transfer to equipment and reservoirs located further from the station.



Recommended Companion Products OilSafe® Complete Dispenser Kits

Colour-coded transfer containers and accessories that support best-practice lubricant identification and contamination control programmes.



BROCHURE SUMMARY

The Alex Advantage

The **Lubristation™ Alex** is more than an oil dispensing stand; it is a complete, modular, and off-the-shelf solution for operational reliability. By establishing a sealed, contamination-free lifecycle for fluid storage, conditioning, sampling, and top-ups, the Alex directly mitigates up to 80% of all premature mechanical failures caused by particle and moisture ingress. Incorporating this best-practice utility into your plant floor translates to minimized machine component wear, reduced lubricant waste, and full compliance with world-class TPM and industrial safety standards. CE certified.

OPERATIONAL METRICS & OUTCOMES

1. ISOLATE

Universal drum adapters and precision-matched industrial desiccant air breathers eliminate environmental contamination. Headspace water vapor and silica dust are blocked before they ever contact your new fluid stock.

2. DECONTAMINATE

Advanced closed-loop multipass filtration decontaminates 200L drums to targeted ISO 4406 cleanliness criteria in 1–3 hours. Settled high-additive packages (MoS₂, graphite) are seamlessly drawn into suspension.

3. DISPENSE

Anti-splash dispensing taps with absolute final-line filtration ensure only immaculate oil reaches top-up transfer jugs. Integrated Lube ID tagging structures eradicate human cross-contamination errors entirely.

Whether utilizing the standard 10μ hydraulic baseline core or upgrading to ultra-high efficiency 3μ elements, digital telemetry level tracking, or extended retractable hose reels, the Lubristation™ Alex configures precisely around your plant asset demands.

TRANSFORM YOUR LUBRICATION STRATEGY

Ready to transition from reactive maintenance to an absolute world-class Lubrication Reliability™ standard? Let our technical engineering team configure a custom plug-and-play Lubristation™ setup engineered for your specific asset, oil viscosity, and facility goals.

Lubretec bv

Lubrication Equipment & Reliability Solutions
Industrial Best-Practice Oil Management Systems

Explore Online: lubretec.com/lubristation-alex/

Inquiries: info@lubretec.com

Compliance: ISO 4406 / TPM / OSHA / BRC

LUBRICATION RELIABILITY™ TECHNOLOGIES

Providing standard-setting solutions in fluid conditioning, contamination control, and absolute asset protection. CE Certified. Helping industrial operations eliminate downtime and achieve world-class machinery longevity.

Disclaimer

Specifications, dimensions, capacities and product features are subject to change without notice. Compatibility and performance may vary depending on lubricant type, operating conditions and application requirements. Users should verify suitability for their specific application prior to use.



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