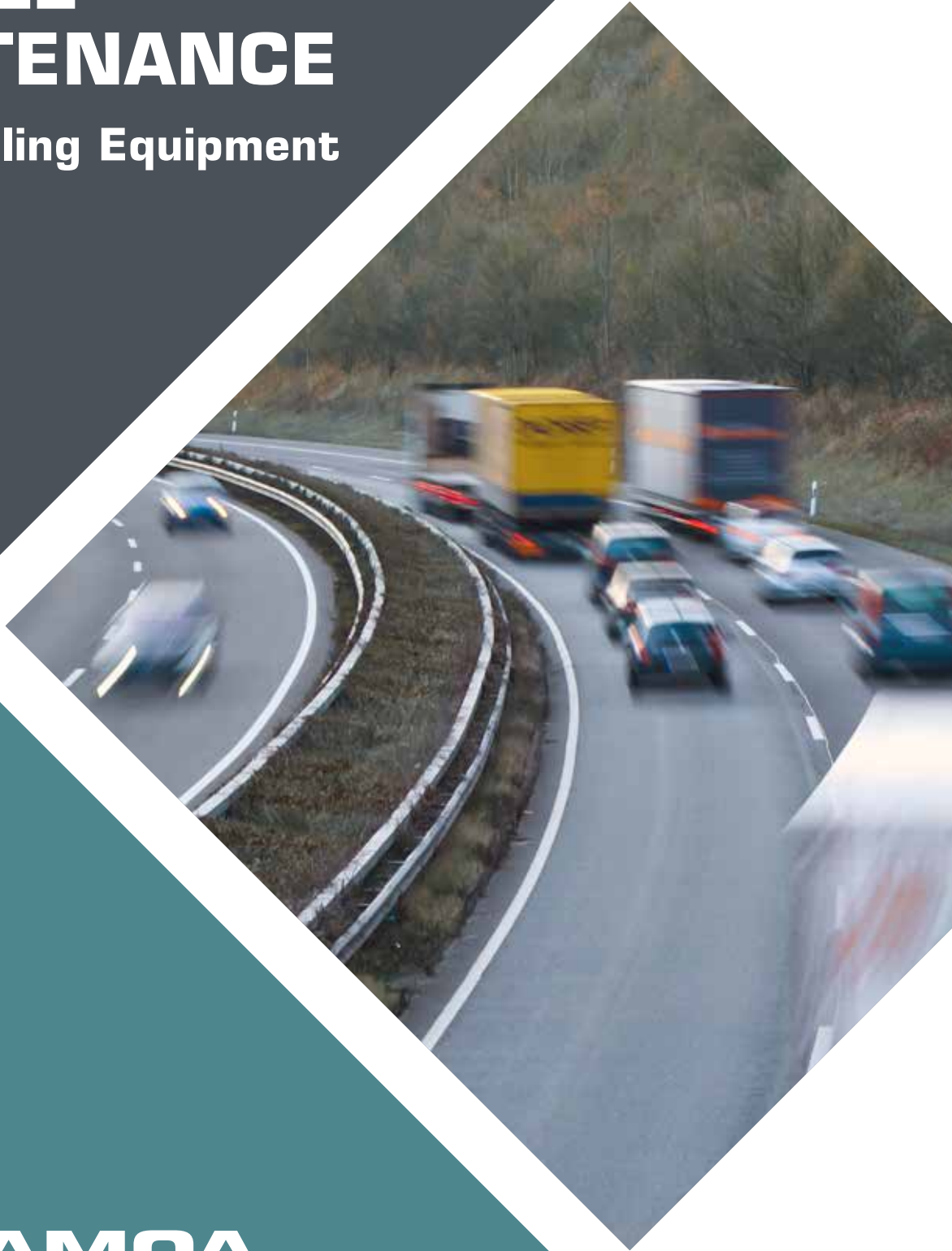


# VEHICLE MAINTENANCE

Fluid Handling Equipment

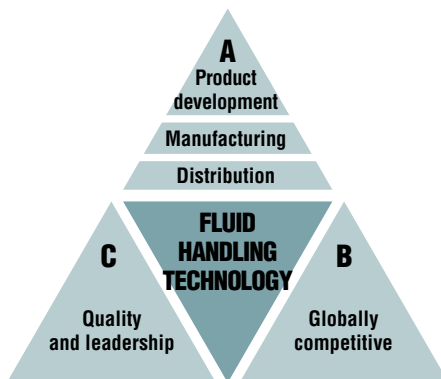






Research & development and manufacturing facilities in Gijón (Spain)

## SAMOA QUALITY AND LEADERSHIP



### FLUID HANDLING TECHNOLOGY

SAMOA, a privately owned company, is a leading European manufacturer of Lubrication and Fluid Handling Equipment. SAMOA products are used for transfer, dispensing, dosing and recovery. SAMOA designs and manufactures a wide program that includes air operated piston and diaphragm pumps, volume flow meters, delivery guns, electronic components for inventory control systems, hose reels, hand pumps and accessories.

### PRODUCT DEVELOPMENT

Product research and development is a fundamental part of SAMOA's philosophy. We are in permanent contact with the market to identify new customer needs, that we satisfy with product improvements and new products.

### MANUFACTURING

SAMOA's headquarters have been in Gijón, on the Spanish North Coast, for over 60 years. SAMOA's manufacturing facilities are modern and are equipped with the latest state-of-the art production equipment and technology. We are committed to design and manufacturing excellence, environmental sustainability and a healthy and safe workplace; our work processes and facilities are consequently ISO 9001, ISO 14001 and ISO 45001.

### DISTRIBUTION

Our products are available through a network of knowledgeable distributors and owned distribution companies. This global network provides sales and consulting service, to identify the products that best meet each customer's needs and, when required, offers after sales service to ensure the long and satisfactory use of our equipment.

### GLOBALLY COMPETITIVE

Our continuous product improvement process ensures that our products meet customer requirements worldwide, even in the most demanding applications and environments. As a result, we are proud to say that SAMOA products are reliably working away, night and day, in more than 115 countries.



YouTube

# EFFICIENT SOLUTIONS FOR VEHICLE

SAMOA DEVELOPS EFFICIENT SOLUTIONS TO SPECIFIC NEEDS IN THE MAINTENANCE OF LIGHT VEHICLES, VANS, TRUCKS, BUSES, FLEETS AND INDUSTRIAL VEHICLES.

SAMOA provides solutions for managing all fluids used in vehicle service facilities: lubricants, antifreeze and coolant solutions, windshield wash solutions, AdBlue® / DEF, etc. From single point dispense systems or mobile packages to the most sophisticated installations. Our solutions include all the necessary components for pumping, distributing, controlling and measuring all fluids in your facility.



PUMPING ROOMS



SERVICE POINTS



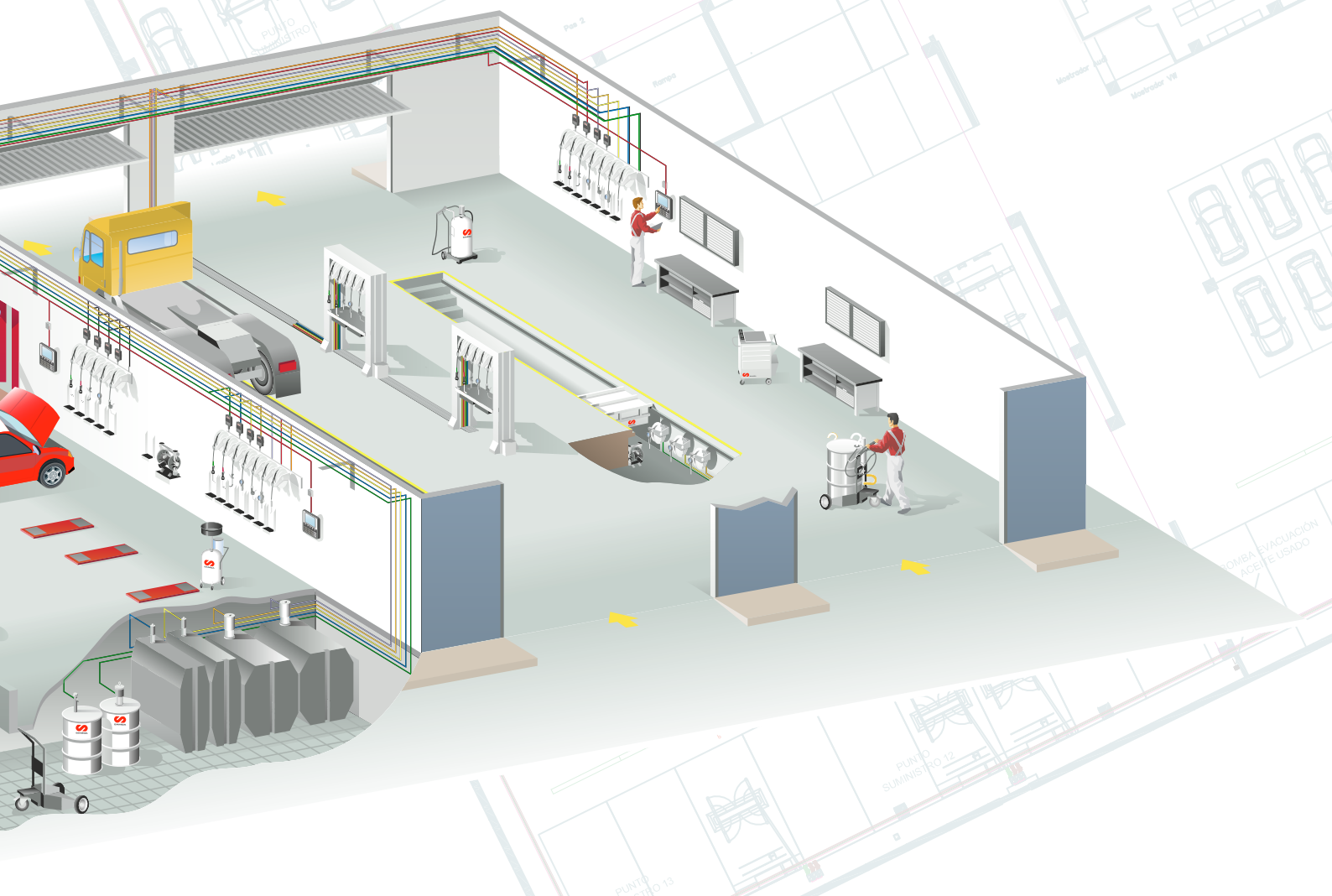
INVENTORY MANAGEMENT & CONTROL SYSTEM NEX-U®



# SERVICE FACILITIES

SAMOA provides installation layout support for new workshops, update of old existing workshops as well as extension of existing ones. We are capable of helping select the correct equipment and suggest the necessary configuration of components to meet the specific need of the end customer.

SAMOA's centralized lubrication system significantly reduces the amount of waste fluids, increases productivity and improves the cleanliness and image of the company through an efficient management of the fluids.



HOSE END METERS  
FOR DISPENSING



WASTE FLUID RECOVERY



# PUMPING ROOM

The most ideal and logical way to organise storage of fluids is to have a dedicated secure tank room to house the tanks, IBCs and waste oil tank along with the pumps.

The correct selection of the pump is critical to provide a trustworthy and durable service. SAMOA has designed a wide range of air operated pumps for the dispensing of different fluids used in vehicle service maintenance.



## AIR OPERATED OIL PUMPS



**PM4**



PUMPMaster 4"  
Ratio 5:1 / 3:1



**PM35**



PUMPMaster 3,5"  
Ratio 8:1 / 5:1



**PM45**



PUMPMaster 4,5"  
Ratio 10:1 / 6:1

## AIR OPERATED GREASE PUMPS



**PM35**



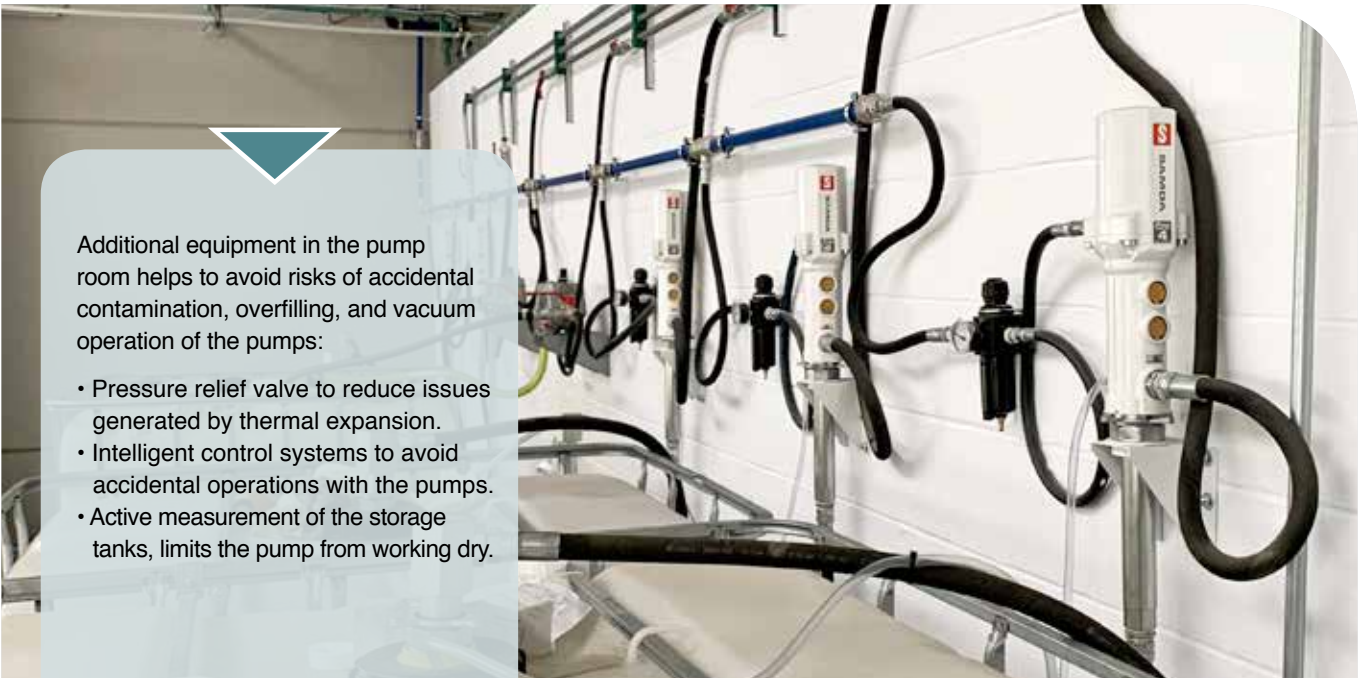
PUMPMaster 3,5"  
Ratio 60:1



**PM45**



PUMPMaster 4,5"  
Ratio 70:1

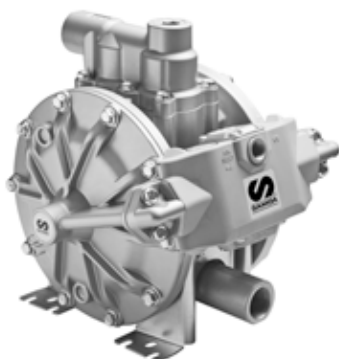


## AIR OPERATED DOUBLE DIAPHRAGM PUMPS FOR FLUIDS

### DP200



Connections Ø 1"



### DF100



Connections Ø 1"



### DF50



Connections Ø 1/2"





# PUMPING ROOM

## PUMPING ROOM EQUIPMENT

The storage of fluids in permanent tanks ensures a higher reserve of available fluid in the workshop, saving time from changing over drums or IBCs.

Our distributors offer solutions for the refilling of bulk tanks. Optional alarm systems can be incorporated to avoid overflow circumstances during refilling processes.



### U-TANK BASIC

Prevent overfill of tanks.



### DOUBLE WALL TANKS

Contact your local distributor for availability of tanks.







Solutions for refilling bulk tanks:

- 1 Enclosed and lockable offset fill cabinet.
- 2 Enclosed and lockable offset fill cabinet with DP200 AODD pump for refilling via quick release coupler and U.tank Basic to prevent overfilling of tanks.
- 3 Tanks with refilling lines and air operated driven valve controlled by U-tank basic which stops the transfer of the fluid once the tank is full, avoiding overspillage.

# SERVICE STATION

Ideally the dispensing points should be as close to the working area as possible, this helps the workshop be more efficient and reduces operation downtime. The most efficient solution is always to use hose reels. Automatic hose reels improve productivity, as the hose end meter can be placed where they are needed, providing clean and neat workplaces.

## HOSE REELS FOR FLUID DISTRIBUTION



RM-12S



RM-12CL



RM-12L



RM-34









# SAMOA FLUID MANAGEMENT AND CONTROL SYSTEM

**LOSS OF INVENTORY EQUALS A LOSS OF PROFIT. WITH TODAY'S HIGH OIL PRICES, INVENTORY CONTROL IS A MUST.**



More than likely your stock control of spare parts and consumables is well defined and organized.

- But are you able to reconcile your oil purchases with oil sales and usage?
- Do you know where every litre of lubricant is used?
- Do you know how much just “disappears”?

## WHY NEX-U®?

NEX-U® provides you with the control and the information you require to make your operation more profitable. You will be able to account for every drop of lubricant and other service fluid used. On top of this, you will carry an efficient inventory control, with automatic alerts and fluid reordering when needed, eliminating operation downtime. For almost any lubricant usage or operation size, with today's high cost for these fluids, NEX-U® quickly pays for itself. Once it is paid for, savings go right to the operation's bottom line in the form of profit, profit previously lost.

NEX-U® is a hybrid system that brings you all the advantages of wireless flexibility and hard-wired reliability



YouTube

NEX·U·® HAS BEEN CONCEIVED WITH THE USER IN MIND, MAKING FLUID MANAGEMENT AND FLUID INVENTORY CONTROL AN EASY AND TROUBLE FREE ACTIVITY.

NEX·U·® contributes to increase productivity in vehicle service operations:

- Provides total control and record of every fluid dispensed.
- Secures fluid access to authorised technicians only.
- Provides accurate, real time fluid inventory information.

## NEX·U·® SYSTEM COMPONENTS



**U·net**  
CENTRAL PROCESSING UNIT

Controls and manages all functions and communications, wired or wireless.



**U·dat**  
SYSTEM KEYPAD

With a full colour, touchable screen and a QWERTY keypad provides complete access to NEX·U·® and U·track.



**U·vision / U·vision+**  
HAND-HELD DISPLAY

Hand-held display with/without access keypad.



**U·valve / U·valve+**  
ALL-IN-ONE FLOW  
CONTROL UNIT

Includes pulse meter, solenoid valve, filter and electronic board for operation control and communication with other system components. U·valve+ also includes a Wi-Fi® module for wireless communication.



**U·tank**  
TANK LEVEL MONITOR MODULE

Provides real-time inventory control and manages different alarm signals.



**U·connect**  
CANBUS - WI-FI® CONVERTER

Allows other devices (dispensing points, U·tank, etc.) to be wirelessly connected to the management system.

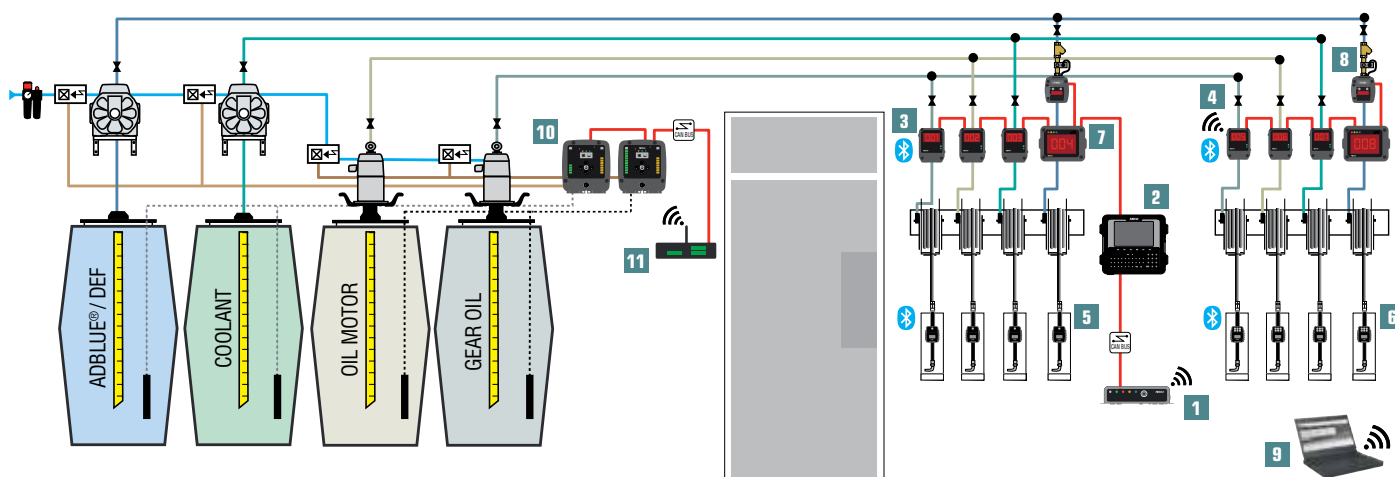
# NEX·U·<sup>®</sup> MANAGEMENT SYSTEM

## U·TRACK SOFTWARE



U-track system is a web based application accessible through any device (laptop, PC, tablet or smartphone) connected to the same network as U-net. It provides control over the management and storage of fluids. Each PC terminal or tablet connected to the same network used by NEX·U·<sup>®</sup> has access to U-track, as long as they have an authorised login to the system. Compatible with Windows and Linux.

## NEX·U·<sup>®</sup> INSTALLATION



- 1 U-net: Central Processing Unit.
- 2 U-dat: Access Keypad.
- 3 U-valve: Intelligent flow control unit.
- 4 U-valve+: Intelligent flow control unit with Wi-Fi<sup>®</sup> communication module.
- 5 U-vision: Hand-held display with Bluetooth<sup>®</sup> communication.
- 6 U-vision+: Hand-held display and keypad module with Bluetooth<sup>®</sup> communication.
- 7 U-count: Intelligent control unit without volumetric control.
- 8 U-meter: with solenoid valve and filter.
- 9 U-track: NEX·U·<sup>®</sup> software.
- 10 U-tank: Active tank level control unit with volumetric probes and solenoid valves for monitoring the pumps operation.
- 11 U-connect: Connection of can-bus components via a Wi-Fi<sup>®</sup> network.





# CONTROL VALVES AND METERS

SAMOA control valves and meters provide fluid flow regulation.

Ergonomic design, equipped with outlet extensions to cover all fluid requirements and access to the service point.



Hose end meters for fluid control designed and selected for the various applications needed:

- Flow regulation.
- Accessibility to the filling point.
- Suitable for the required working pressures.

**ELECTRONIC PRESET  
HOSE END METER  
PCP30**



**ELECTRONIC  
HOSE END METER  
EC30**



**HIGH FLOW ELECTRONIC  
HOSE END METER  
EC70**



**CONTROL GUN  
PA40**



**CONTROL GUN  
PF40**



**HIGH FLOW CONTROL GUN  
PA70**

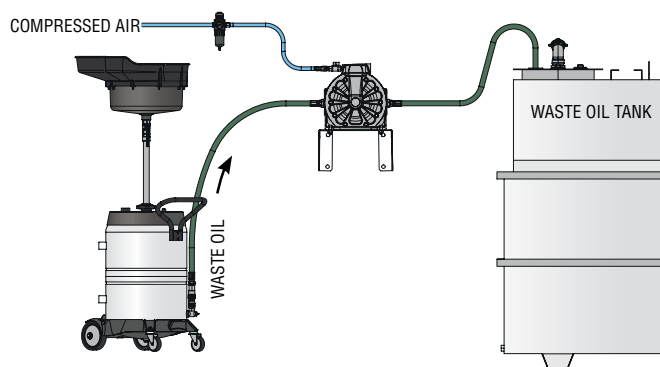




# WASTE FLUID MANAGEMENT

The disposal and handling of used fluids is one of the most important issue for vehicle service centres, being one of the main sources of contamination and loss of workshop productivity.

Used oils and used coolants are self-contaminating fluids that require the correct handling to avoid uncontrolled spillages. SAMOA's distributor network offers integral solutions with systems for recovering used fluids and transferring them to bulk waste oil storage tanks.



## WASTE OIL EVACUATION PUMP KITS

KVR-200/DP



KVR-25/D





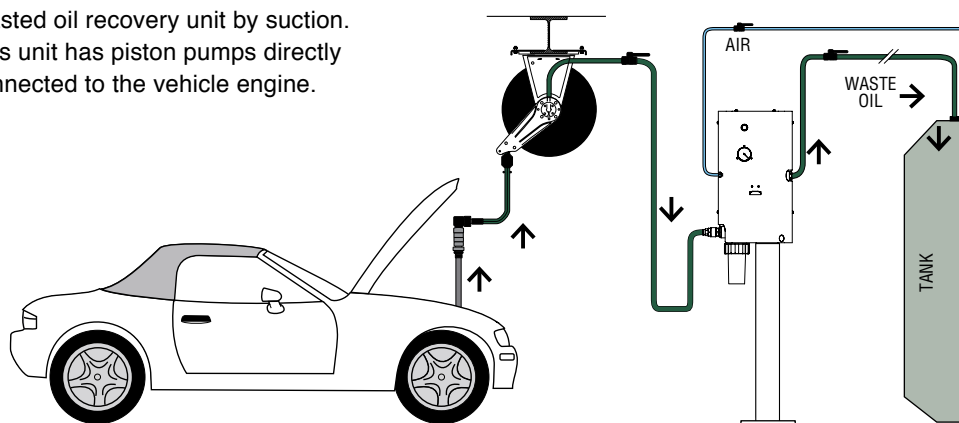
## EVACUMASTER, WASTE OIL SUCTION



### EVACUMASTER-P



Wasted oil recovery unit by suction.  
This unit has piston pumps directly  
connected to the vehicle engine.



The evacuation of used oil directly from the engine  
prevents contamination of the workshop.

# WASTE OIL SUCTION AND GRAVITY RECEIVERS



A pit designed with an efficient lubrication system will be the best solution for the servicing industrial vehicles by:

- Efficient evacuation of used oil.
- Maintenance and lubrication of points under the chassis.

LOW LEVEL  
WASTE OIL DRAINER  
**RAS-95**



PIT ROLLING  
WASTE OIL DRAINER  
**RCT-95**



COMBINED WASTE OIL RECEIVER  
WITH TRANSPARENT CHAMBER  
**DRAINER-100**



WASTE OIL  
GRAVITY RECEIVER  
**COLLECTOR-70**



**SAMOA INDUSTRIAL, S.A. - HEADQUARTERS**

SPAIN AND EXPORT MARKETS  
POL. IND. PORCEYO, I-14 - CAMINO DEL FONTÁN, 831  
E-33392 GIJÓN (ASTURIAS), SPAIN  
TEL.: +34 985 381 488 - FAX: + 34 985 147 213  
export@samoaindustrial.com - www.samoaindustrial.com

**SAMOA LTD.**

UNITED KINGDOM AND REP. OF IRELAND  
ASTURIAS HOUSE - BARRS FOLD ROAD  
WINGATES INDUSTRIAL PARK  
WESTHOUGHTON, BL5 3XP, UK  
TEL.: +44 1942 850600 - FAX: +44 1942 812160  
sales@samoaltd.uk - www.samoaltd.uk

**SAMOA S.A.R.L.**

FRANCE  
P.A.E.I. DU GIESSEN  
3, RUE DE BRISCHBACH  
67750 SCHERWILLER, FRANCE  
TEL.: +33 3 88 82 79 62 - FAX: +33 3 88 82 77 88  
samoafrance@samoafrance.com - www.samoafrance.com

**SAMOA-HALLBAUER GMBH**

GERMANY AND AUSTRIA  
INDUSTRIESTRASSE, 18  
D-68519 VIERNHEIM, GERMANY  
TEL.: +49 6204 7095-0 - FAX: +49 6204 7095-33  
info@samoahallbauer.de - www.samoahallbauer.de

**SAMSON CORPORATION**

NORTH AMERICA  
ONE SAMSON WAY  
SWANNANOVA, NC 28778, USA  
TEL.: +1 828 686 8511 - FAX: +1 828 686 8533  
info@samsoncorporation.com - www.samsoncorporation.com

**SAMOA CHINA SALES OFFICE**

ROOM 8223, FLOOR 2, BUILDING 1-2, LANE 1220, ZHOUJIAZUI ROAD LANE  
SHANGHAI 200082, P.R. CHINA  
TEL. & FAX: +86 21 5515 0064  
china@samoaindustrial.com

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