UNI·Vers

NEW HORIZONS OF THE DIGITAL TRANSITION

FLEXBIMEC
Made in Italy

MADE IN ITALY

FLEXBIMEC SMART SOLUTIONS FOR INDUSTRY 4.0

FLEXBIMEC presents a complete range of products designed and developed according to the latest technologies to respond to the new norms of the digital transition and the related Directives to access the **4.0** facilities.

The range of hose reels is enriched by a new modular generation that can be managed intelligently with smart solutions.
These new hose reels combined with the **FLEXBIMEC** electronic monitoring systems fall **within the regulation related to process control systems.**

Therefore SMART devices Flexbimec fulfill the current tax benefits.

INDEX

NEW GENERATION OF HOSE REELS

FLEXBIMEC do believes in **INNOVATION** and **RESEARCH** as basic elements to compete in the current market.

The Research and Development Department has designed a new generation of **HOSE REELS** based on a **NEW MECHANICAL IMPROVEMENTS** which allows integration with **NEW TECHNOLOGIES,** to make them **SMART**, with **CONNECTION** features to portable devices with **CONTROL AND ACCESS** via the Wi-Fi or Bluetooth® network to a wide range of fluids.

MAIN FEATURES:

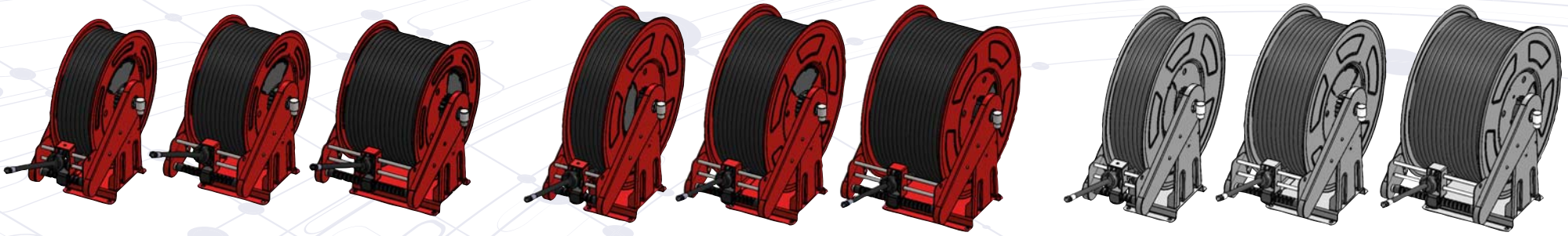
- Reel configuration totally modular to enable dimensional flexibility achieved through width and external diameters selection.
- Equipped as standard with hose guide.
- Regulation of guide arms with no need to unload the main spring, maximazing safety operation.
- The hydraulic spring brake kit **HB** can be installed for a safe controlled rewind of the hoses.

These innovative systems have been designed and patented by FLEXBIMEC (Patent Pending).

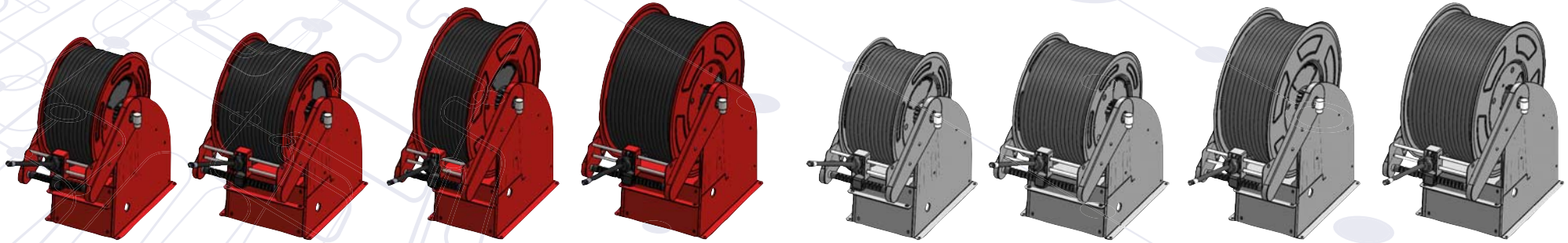
UNI·VerS

Flexbimec present the new generation of UNI-Vers hose reels, composed by three new lines:

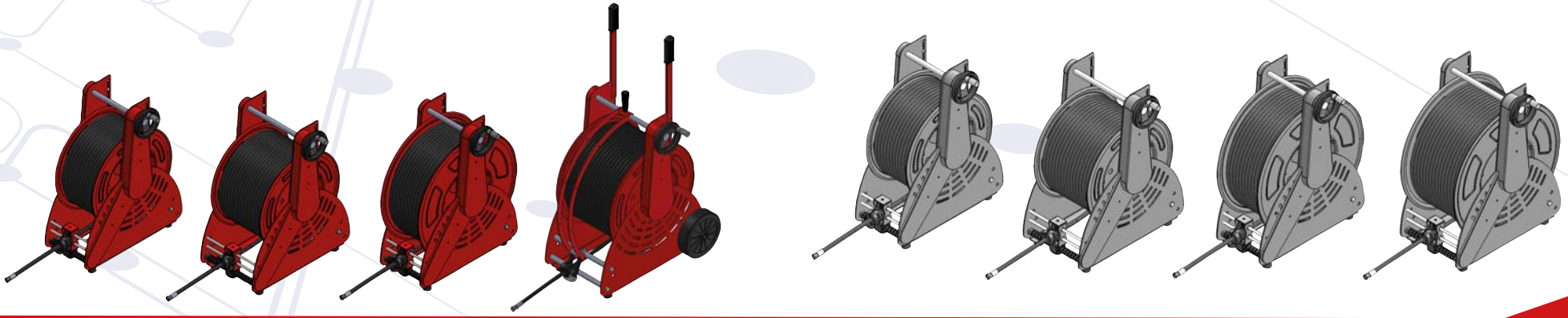
Andromeda - AUTOMATIC REWIND, SPRING-DRIVEN HOSE REELS SERIES



Gemini - MOTOR OPERATED HOSE REELS SERIES (ELECTRIC, PNEUMATIC, HYDRAULIC)



Orion - MANUAL HOSE REELS SERIES

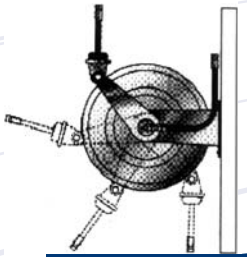


Modular customized drum configuration
Patent Pending

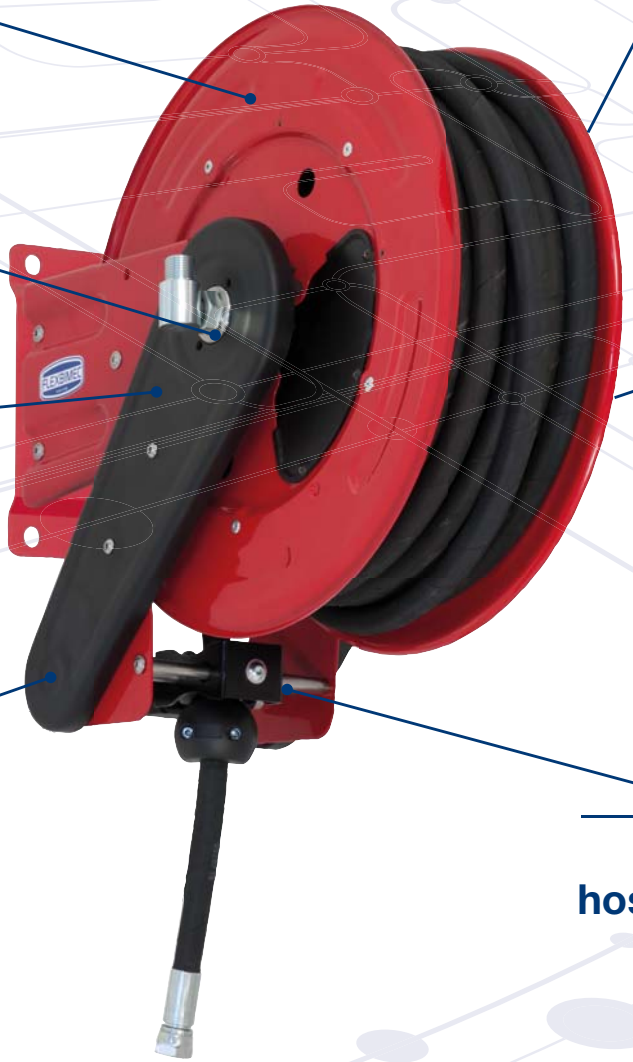
HB hydraulic spring brake kit (optional)

Bearing-supported frame rings

Control App access safety valve (optional)
Patent Pending



Freely adjustable arm rotation and without releasing the spring
Patent Pending



Versatile and fast configuration change

Adjustable hose guide system

HOSE REELS ANDROMEDA

The new **ANDROMEDA** hose reel line has been redesigned taking advantage of the characteristics of the current models, improving the technical aspects and adding new concepts. The completely renewed design allows a choice of modular sizes, generating a wide dimensional flexibility for the customer and including the hose guide as standard.

3 VERSIONS AVAILABLE:
- Painted steel;
- AISI 304;
- AISI 316

DISK DIAMETER:
- 430 mm
- 540 mm
- Other dimensions on demand

SPOOL WIDTH AVAILABLE BY CHOICE
- 130 mm
- 195 mm
- 230 mm
- Other dimensions on demand

DIAMETER HOSES
- 1/4”
- 3/8”
- 1/2”
- 3/4”
- 1”
- Other dimensions on demand

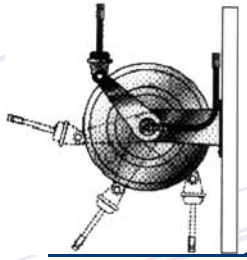
FLUIDS THAT CAN BE MANAGED:
- Lubricant oils
- Hydraulic oils
- Grease
- Water-based fluids (urea, antifreeze, etc.)

HOSE LENGTH
- 10 m
- 15 m
- 20 m
- 25 m
- Other dimensions on demand

Adjustable hose guide system

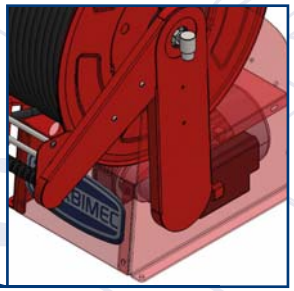
Modular customized drum configuration
Patent Pending

Control app access safety valve (optional)
Patent Pending



Freely adjustable arm rotation and without releasing the spring
Patent Pending

Electronic board for fluid monitoring (optional)



Engine compartment with safety clutch

Adjustable clutch

The **GEMINI** hose reel line is based on the same dimensional configuration as the Andromeda version, integrated by the reel motorization , to provide increased hose length that can contain the drum. It is equipped as standard with hose guide, which helps keep orderly the hose on the spool during rewinding.

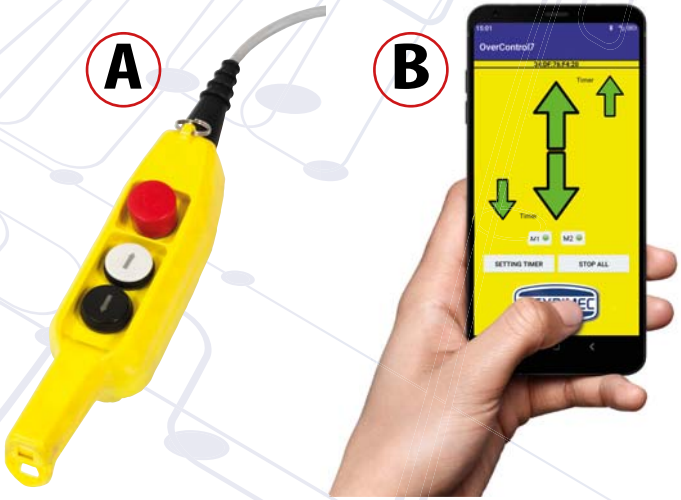
You can choose different types of motorizations:

- **electric motor 12/24/110/220/380V;**
- **pneumatic motor;**
- **hydraulic motor.**

To ensure safety during the rewinding of the hose, the adjustable clutch is installed as standard that allows you to lock the roller in case of emergency.

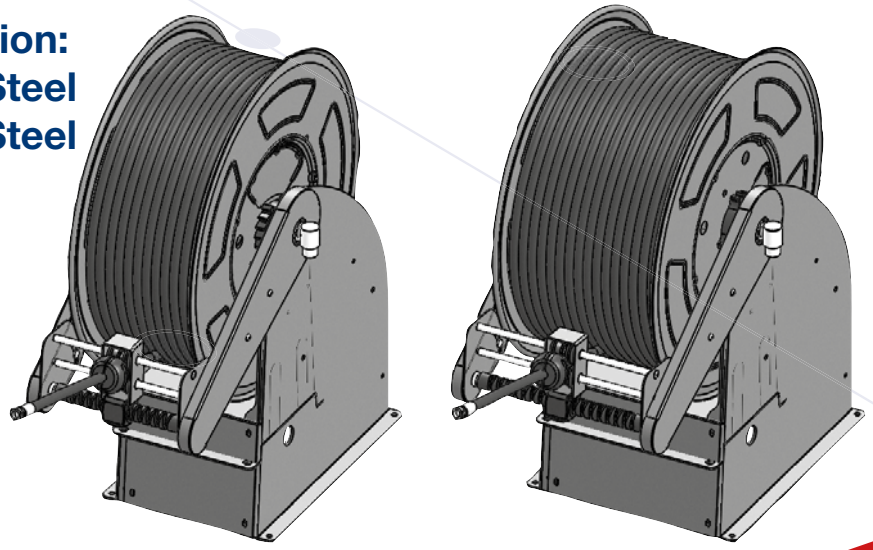
The types of activation of the electric motor are:

- **Monostable button on the motor;**
- **Remote control panel with wire (A);**
- **Electronic board activated via Bluetooth signal from a dedicated application with mobile devices (Android Smartphones and Tablets) (B).**



Also available in version:

- **AISI 304 Stainless Steel**
- **AISI 316 Stainless Steel**

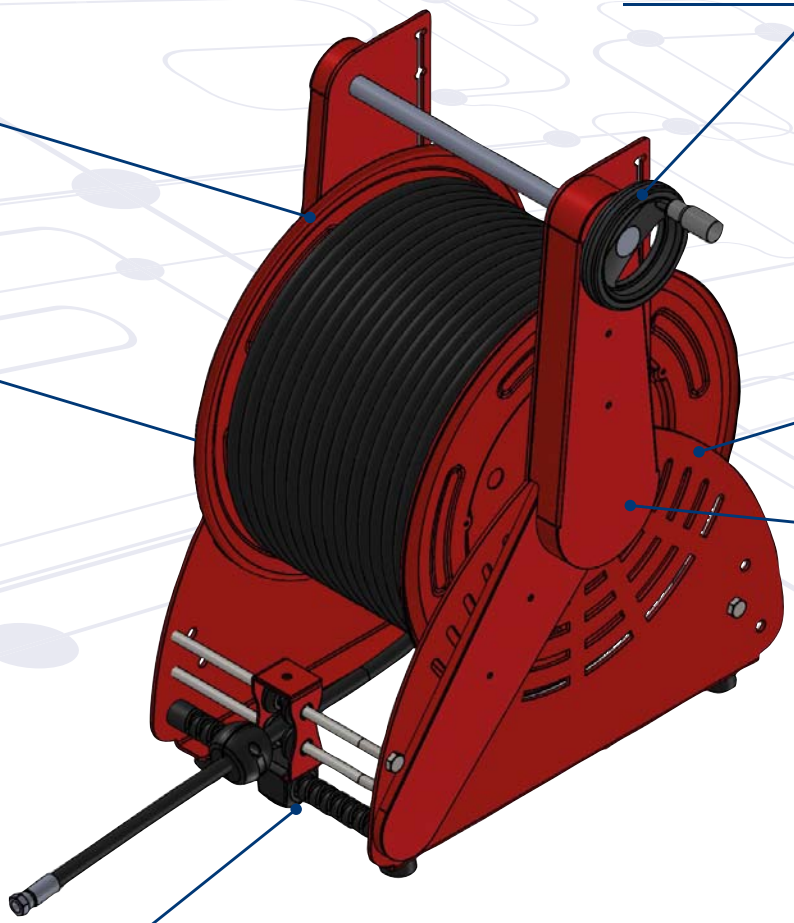


Modular customized drum configuration
Patent Pending

Kinematic crank to enable the hose rewinding

Bearing-supported frame rings

Control app access safety valve (optional)
Patent Pending



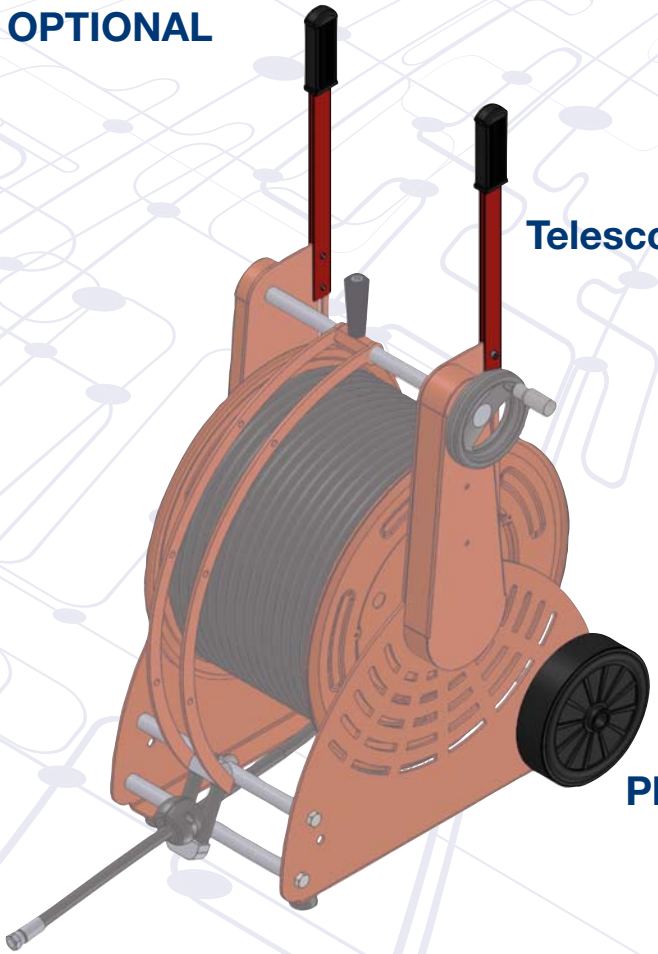
Electronic board to provide fluid monitoring (optional)

Equipped with hose guide standard

The manual driven line of the **ORION** hose reels is based on the same concepts as the automatic spring version ones , but in place of the spring they include a kinematics designed crank to reduce the rewinding strength required by the operator.

As an option you can choose the wheels and handles for moving and positioning the unit.
Also this version is modular to enable dimensional flexibility achieved through width and external diameters selection.

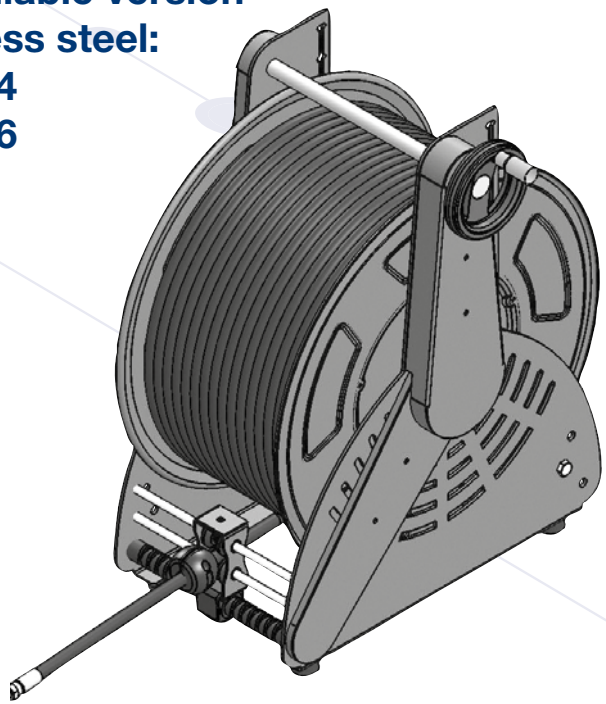
OPTIONAL



Telescopic handles for moving

Plastic wheels

Also available version in stainless steel:
- **AISI 304**
- **AISI 316**



CONFIG. 1

Access control within your Smartphone.

VERIFY
Enabling dispenses entering ID and password user

BLUETOOTH
Not require a LAN or Wi-Fi connection

SAFE ACCES PULSAR allows a first and simple **access control on fluid dispensing devices.**

A hydraulic **on/off** valve is installed on the fluid line connection joint, which incorporates an **electronic board,** allows connection via **Bluetooth** to the **Smartphone or Tablet application.** The valve is normally closed so, in the absence of a control signal, the operator cannot dispense fluid from the guns, as the flow is blocked.

Through the installed application (on Android platform) **the operator** can enter his **user ID** and the relative **Password** so that the system enables the valve and allows the operator to dispense fluid.
If the entered data (ID and/or Password) are incorrect, the valve remains closed, not authorizing the dispensing.

The SAFE ACCES PULSAR is compatible with all the Flexbimec hose reels.

Manage and track all transactions in real time from your Smartphone.

CONFIG. 2

BLUETOOTH
Not require a LAN or Wi-Fi connection

Innovative easy-to-install system for fluid monitoring and control.

The CONTROL VALVE POLARIS is the evolution of Safe Access Pulsar: it combines **access control** at the dispensing points, with the **management of the quantity of fluid to be dispensed.**

All controls are carried out in a simple and intuitive way from **Smartphone** or **Tablet**, which connects to the electronic board via **Bluetooth** signal, allowing two modes of use:

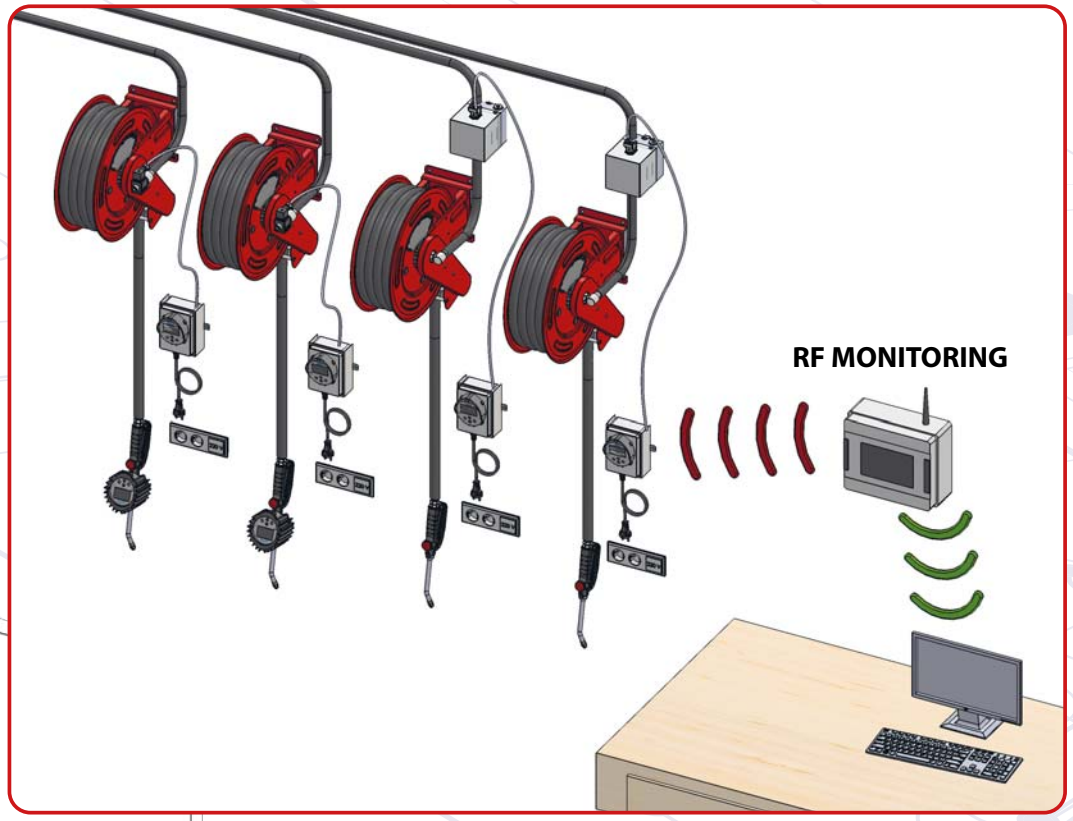
- **dispensing in free flow:** the operator, once the valve has been enabled by means of an ID and password, can dispense the fluid without limits.
- **pre-selection dispensing:** once the valve has been enabled by means of an ID and password, the operator can enter a quantity to be dispensed and the device stops the flow when the predetermined volume is reached.

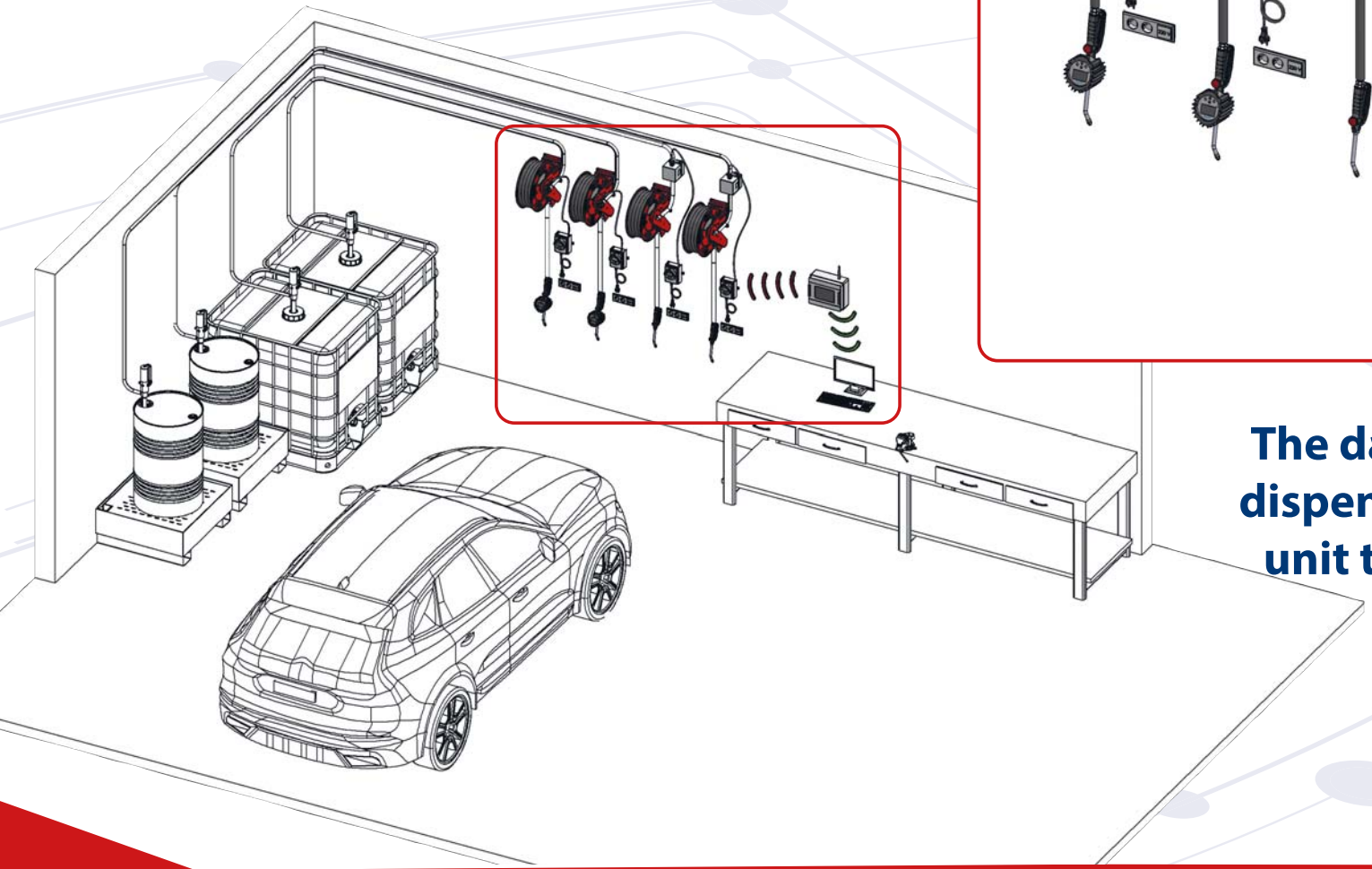
All accesses and deliveries are **stored in a database** directly on the mobile device.

At the end of each operation, the data relating to the last dispensing can be **printed** via a Bluetooth printer. The receipt text can be customized by the App.

The CONTROL VALVE POLARIS is compatible with all the Flexbimec hose reels.

RF CONNECT is an INNOVATIVE system for MONITORING of all the transactions of fluids made by the digital guns and by the QBB devices.





The data connection between dispensers devices and control unit takes place via RF Radio Frequency signal

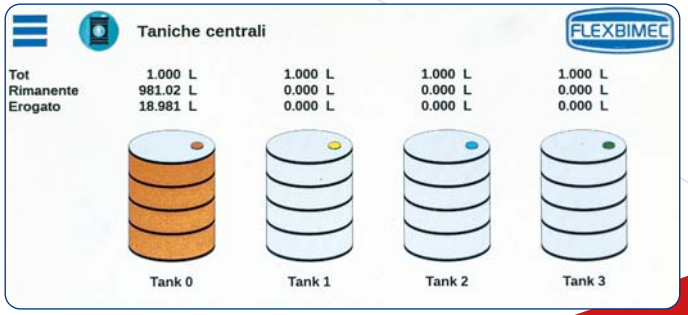
RF

The **RF CONNECT** system is based on the **RF MONITORING** control unit combined with radio frequency (RF) devices

All the operations carried out with the digital flow meters are saved and displayed on the control unit. Each dispenser is linked to a local tank or a centralized tank, in order to check the virtual levels of the tanks and set the alarm thresholds to send warning emails if the tanks exceed the minimum storage thresholds..

The **RF MONITORING** control unit is able to generate **users** with relative **passwords** enabled for the use of **RF devices.**
The control unit has two types of output connection:
- **USB port** where you can insert a key for **Wi-Fi** connection to the company network;
- connection to the **company's Ethernet network cable.**

The customer can enable the connection of the **software** to an external **Cloud** device, whether it is a smartphone or a PC: here the user ID and password are required to access the Cloud platform and then it's possible to view **in real time** what happens on the monitor of the control unit and manage all the information.
RF CONNECT can simultaneously manage up to **16 RF digital flow meters with guns and 16 QB8 systems** with **4 centralized tanks.** Each RF CONNECT SYSTEM can feature up to 4 control units to manage additional dispensing points and storage tanks.

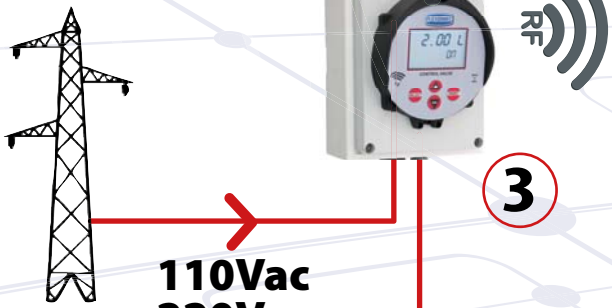


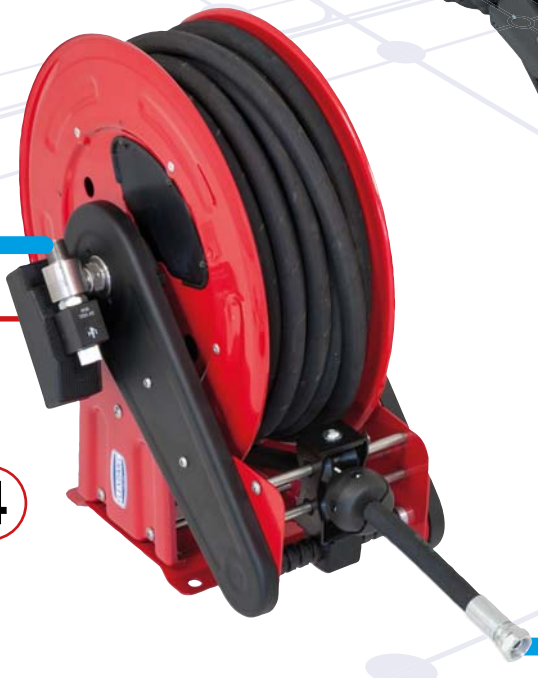
RF CONNECT is cost-effective and quick to set-up, thus allowing to update already installed and functioning systems without altering the pre-existing operational features.

CONFIG. 3

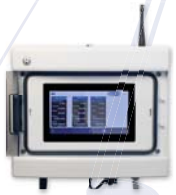
GP SYSTEM 20

RF MONITORING





In this RF CONNECT GP SYSTEM 20 configuration, a digital RF flow meter  (1) is combined with the control unit  (2).

The control board  (3) sets the solenoid valve  (4) mounted on the hose reel. When the operator has to use the digital flow meter, he needs to enter the **password** provided by the system administrator (four digits) on the display of the flow meter using the directional arrows. Once access is gained, the control unit sends the signal via radio to the control board to enable the solenoid valve  (4) and allow the dispensing of fluid. The validity time of the password activation can be customized via the RF control unit  (2), according to individual operators: time adjustment range can go from few seconds up to 23 hours and 59 minutes after the dispensing. When the password expires, the control unit sends the command to the valve control board  (3) to deactivate itself and stop the dispensing because the user is not enabled.

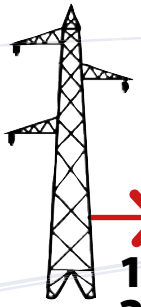
CONFIG. 4

QB8 SYSTEM

RF MONITORING

RF

1



110Vac
220Vac

24Vdc

2

LAN

Wi-Fi
USB

3

4

The RF CONNECT QB8 system is based on a control board  (1) where the operator enters the password by typing the code (four digits) on the selection keys. The code is thus sent via radio to the control unit  (2) which enables the solenoid valve mounted on the QB8 system  (3) allowing access to dispensing operations in free flow or with preselection on the board control  (1) by means of a mechanical control gun  (4).

The validity time of the password activation can be customized via the RF control unit  (2), according to individual operators: time adjustment range can go from few seconds up to 23 hours and 59 minutes after the dispensing.

When the password expires, the control unit sends the command to the valve control board  (1) to deactivate itself and stop the dispensing because the user is not enabled.

CONFIG. 3+4

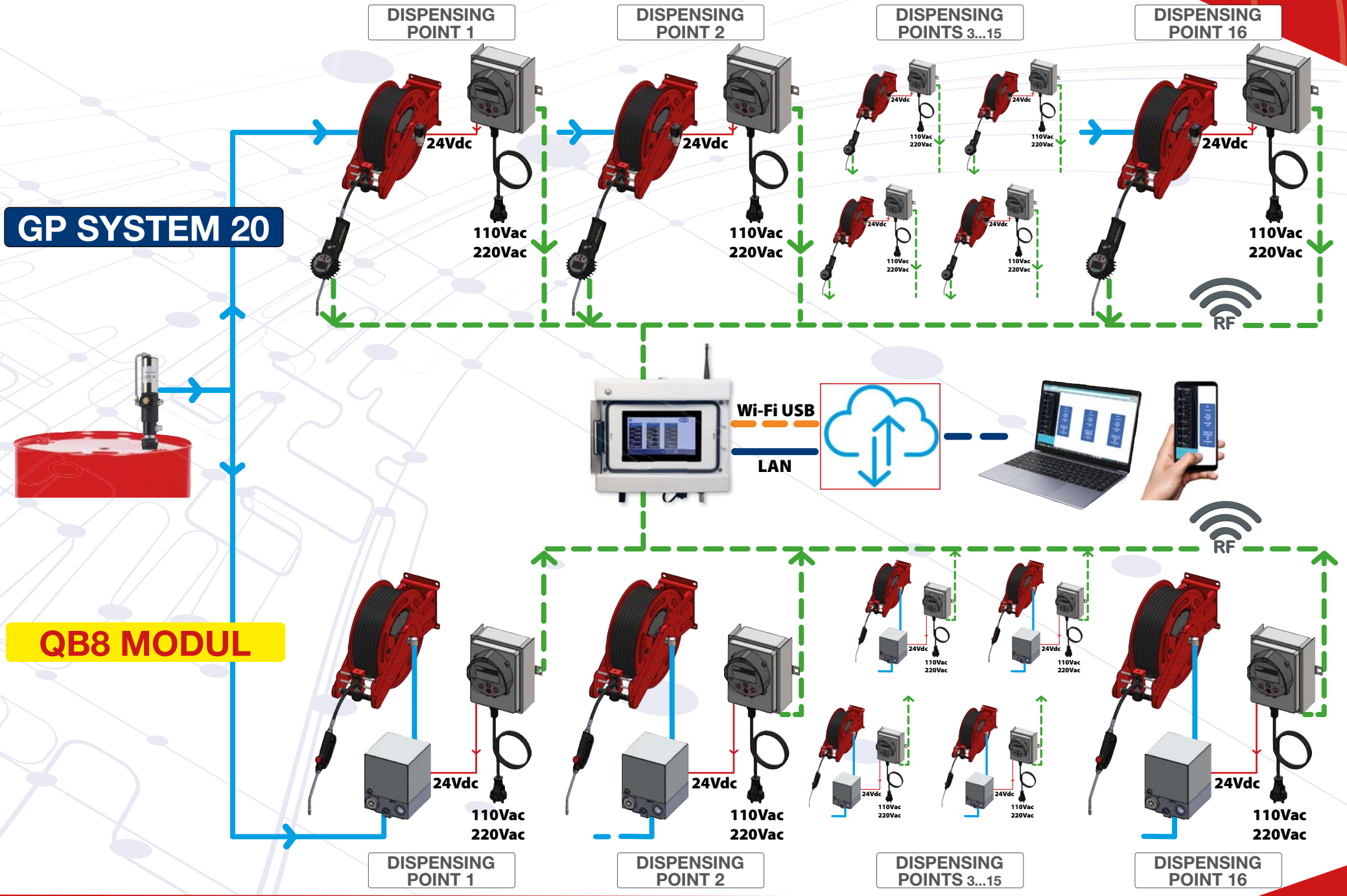
Example of system application with RF centralized fluid monitoring and distribution: maximum 16 dispensing points with RF digital meter guns (models JUPITER and URANUS) and up to 16 dispensing points with QB8 SYSTEM.

The RF MONITORING control unit can manage at the same time the 32 dispensing points, monitoring the levels of the centralized tanks (maximum 4) and localized (maximum 32).

Each user is associated with a password to be entered on the digital meter gun or on QB8 SYSTEM to monitor every single operation.

Access and monitoring via Cloud by PC or Smartphone.

MANAGEMENT AND MONITORING SYSTEM RF CONNECT



MANAGEMENT AND MONITORING SYSTEM RF CONNECT

		GP SYSTEM 20		QB8 SYSTEM
				
MODEL		**4TTRF**	**4TTPSRF**	
TYPE OF FLUID	OIL	√	√	√ (Art.no. 8730)
	ANTIFREEZE	√	√	√
	AdBlue®	√	√	√
	COOLING FLUID	-	-	√
	WINDSCREEN WASHER FLUID	√	√	√
PRESET FUNCTION		-	√	STANDARD
FLOW RATE		UP TO 25 l/min		UP TO 120 l/min
MAXIMUM NUMBER OF DEVICES THAT CAN BE CONNECTED		UP TO 16		UP TO 16
CONNECTION		RADIO SIGNAL 868 MHz OR 959 MHz		
OPERATOR MANAGEMENT WITH PASSWORD		√	√	√

RF MONITORING

MAXIMUM NUMBER OF DEVICES THAT CAN BE CONNECTED	UP TO 16 GP SYSTEMS	UP TO 16 QB8 SYSTEMS
CONNECTION	RADIO SIGNAL 868 MHz OR 959 MHz	
MAX NUMBER OF USERS	UP TO 200	
MAX NUMBER OF CENTRALIZED TANKS	MIN. 4 (customizable)	
MAX NUMBER OF LOCAL TANKS	UP TO 32	
OUTPUT CONNECTIONS	WIFI (via USB antenna, optional)	
ALARM MANAGEMENT	MINIMUM THRESHOLD LEVELS THAT CAN BE SET	
POWER SUPPLY	110-220 V AC	
SYSTEM LANGUAGES	ITALIAN, ENGLISH	
ACCESS LEVELS	USER (device read only), ADMINISTRATOR	
	ADMINISTRATOR (access with password)	
ACCESSIBILITY	CLOUD DATABASE	
CLOUD ACCESSIBILITY	PC, TABLET AND SMARTPHONE	

Tank minimum level warning by e-mail message

Easy installation

User management with password

Easy to connect

Tank level management

Single dispensing storage

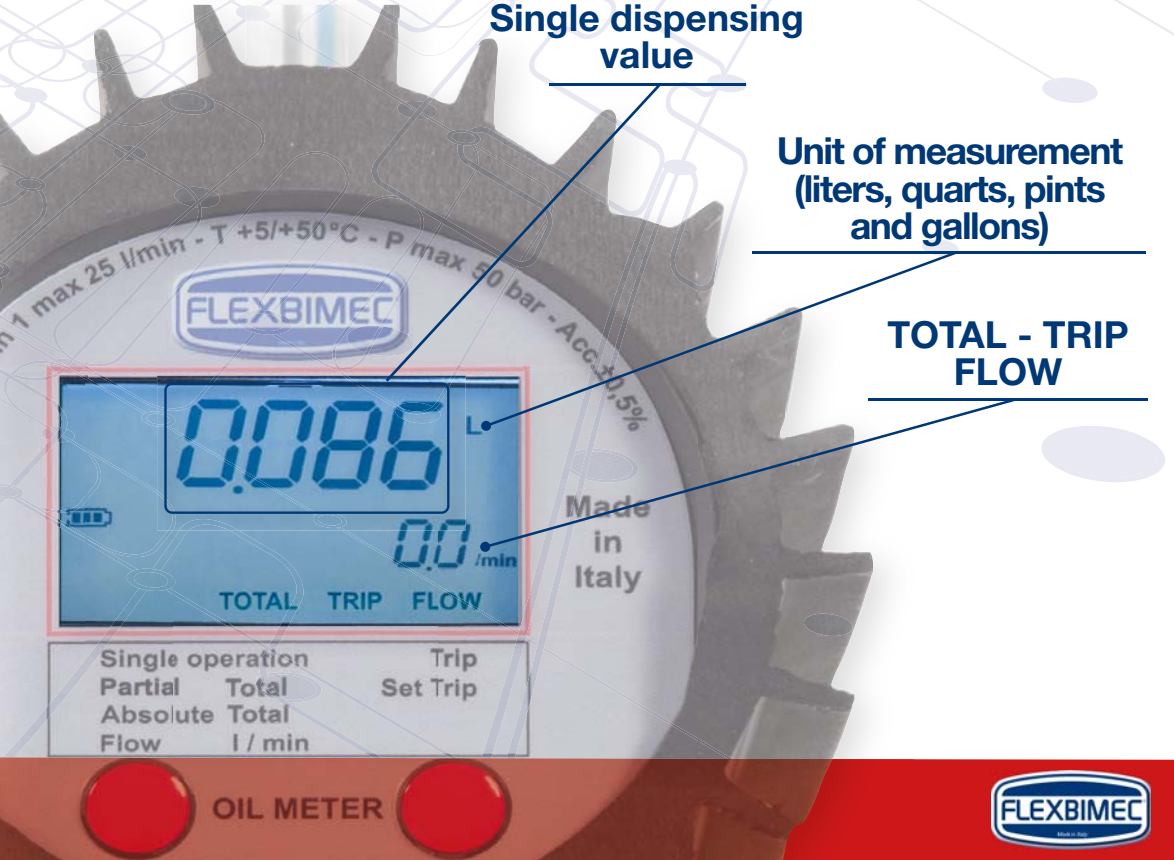

Larger display with renewed graphics for better visualization
Backlit display
Instant flow
Easy batteries replacement
New hardware board architecture redesigned with latest technology
Rubber protection cover - Easily removable
Integrated probe for better protection
Lever gun protection

NEW LINE OF DIGITAL FLOW METERS SERIES STM - NEPTUNE

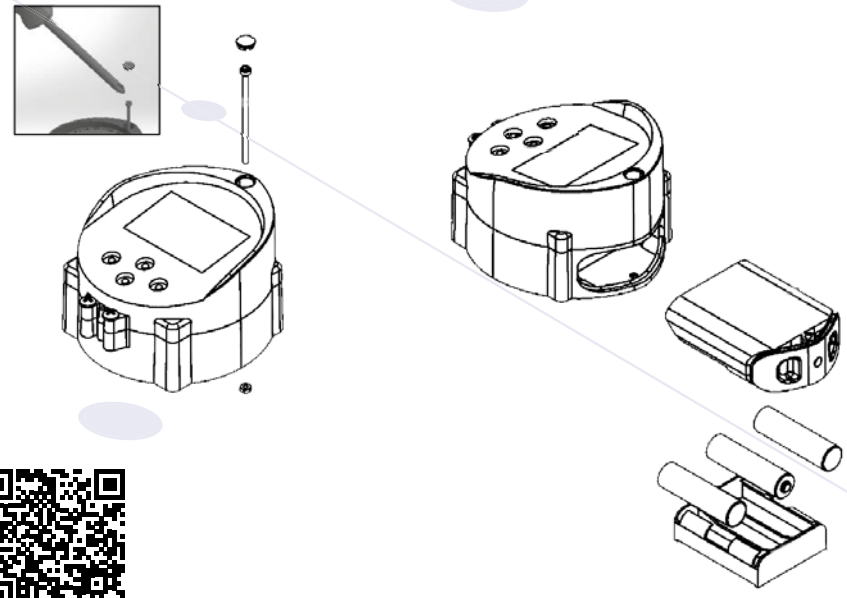
The **new electronic flow meter series *STM*** features the following characteristics:
- the function is based upon the oval gears measuring system combined with a probe that is measuring electromagnetic pulses monitored by an electronic component.

The flow meter allows to display four different measurement results:
1) the quantity of each individual fluid dispense: single operation measurement (resettable),
2) **FLOW:** It is possible to read the instant flow in liters, quarts, pints and gallons for a continuous monitoring of the precision of the flow meter within the work parameters,
3) **TRIP:** the quantity of a sum of dispenses: partial totalizer (resettable)
4) **TOTAL:** the total of all dispenses ever made: absolute totalizer (not resettable)

- possibility of recalibration by the customer to increase the accuracy of the final plant parameters;
- the flow meter has an enlarged display, with simultaneous visibility of 2 different totals (single operation and absolute total);
- the display additionally assures a perfect readability through included backlit feature;
- the flow meter offers the possibility of changing the measuring unit (liters, quarts, pints, gallons);
- it also assures an improved accuracy and repeatability of the measurement;
- easy change of the batteries throught a rear holder;
- the flow meter is equipped by a rubber protection guard;
- the control gun includes a trigger guard and an intergrated inline filter which allows an easier maintenance, offers the possibility of a gradual oil supply through the trigger, and permits to open the valve with a minimum effort.



EASY BATTERIES REPLACEMENT



Art.no. **2962**
Art.no. **2963**
Oil
Antifreeze

Art.no. **2964**
Oil

Art.no. **2967**
Oil

NEPTUNE

Art.no. **2962**
Electronic oval gears flow meter for **oil**, series **NEPTUNE**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2963**
Electronic oval gears flow meter for **antifreeze**, series **NEPTUNE**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2964**
Electronic oval gears flow meter for **oil**, series **NEPTUNE**, with control gun, flexible rubber outlet, ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2967**
Electronic oval gears flow meter for **oil**, series **NEPTUNE**, suitable for inline applications, connections 1/2" BSP (F).

Art. no.	2962	2963	2964	2967
Connections	1/2" BSP (M)			1/2" BSP (F)
Flow range	1 - 25 l/min			
Operating temperature range	+ 5°C / + 50°C			
Max working pressure	50 bar (725 psi)			
Accuracy	+/- 0,5%			
Total max resettable	99999 l			
Total max non resettable	99999 l			
Weight	1,4 kg			0,83 kg

Not approved for fiscal transactions.

NEW LINE OF DIGITAL FLOW METERS SERIES 4TT MARS - JUPITER

FLEXBIMEC expands its range of electronic flow meters with a new 4-button line: **4TT.**
All models have been redesigned with a new latest generation hardware board and have been structurally improved to facilitate some operations such as battery replacement and easier reading thanks to the larger display.
The models are available in two versions: with and without preset function.
The preset function allows to predetermine the quantity to be dispensed. All the models are available with the option of a radio frequency data transmission to be used in combination with **RF CONNECT.**

Mars

RF
Jupiter

PRESET
Mercure

RF
PRESET
Uranus

Models	TYPE OF FLUID		
	OIL	ANTIFREEZE	AdBlue®/UREA/DEF
4TT	Art. no.	Art. no.	Art. no.
Mars	**2810**	**2813**	**2814**
	2811	**-**	**2818**
	2812	**-**	**-**
4TTRF	Art. no.	Art. no.	Art. no.
Jupiter	**2810/RF**	**2813/RF**	**2814/RF**
	2811/RF	**-**	**2818/RF**
	2812/RF	**-**	**-**

Models	TYPE OF FLUID		
	OIL	ANTIFREEZE	AdBlue®/UREA/DEF
4TTPS	Art. no.	Art. no.	Art. no.
Mercury	**2815**	**2817**	**-**
	2816	**-**	**-**
	-	**-**	**-**
4TTPSRF	Art. no.	Art. no.	Art. no.
Uranus	**2815/RF**	**2817/RF**	**-**
	2816/RF	**-**	**-**
	-	**-**	**-**

NEW LINE OF DIGITAL FLOW METERS SERIES 4TT MARS - JUPITER

Larger display with renewed graphics for better visualization

Instant flow

Supply storage (1000 Record)

Easy batteries replacement

Backlit display

Rubber protection cover - Easily removable

New hardware board architecture redesigned with latest technology

Integrated probe for better protection

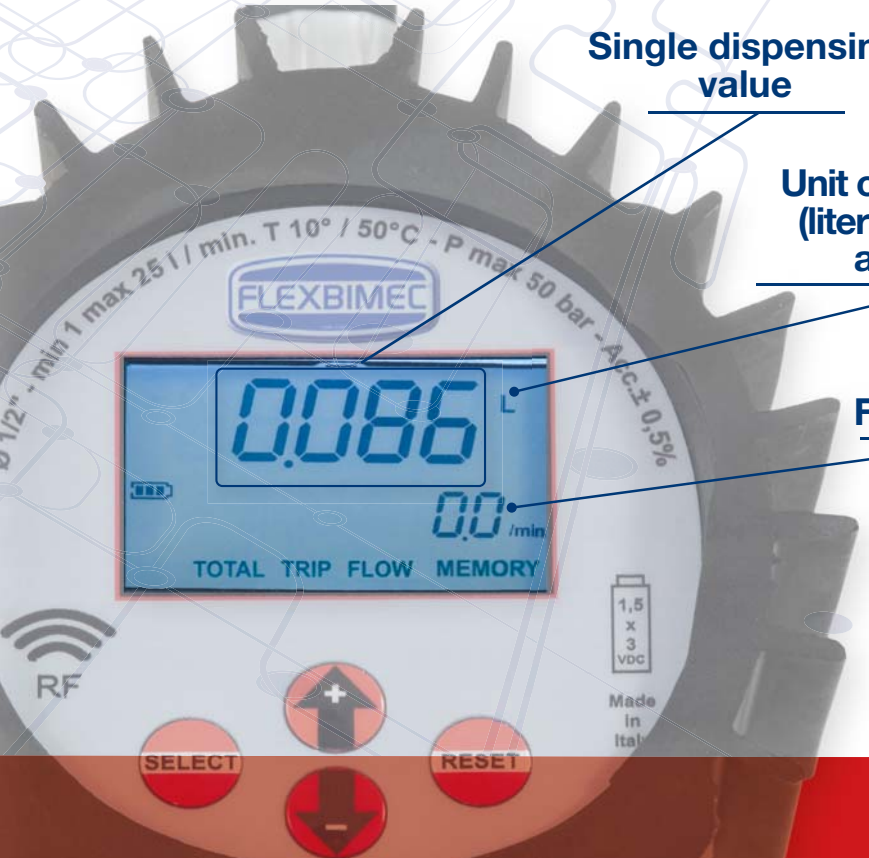
New lever gun protection

NEW LINE OF DIGITAL FLOW METERS SERIES 4TT MARS - JUPITER

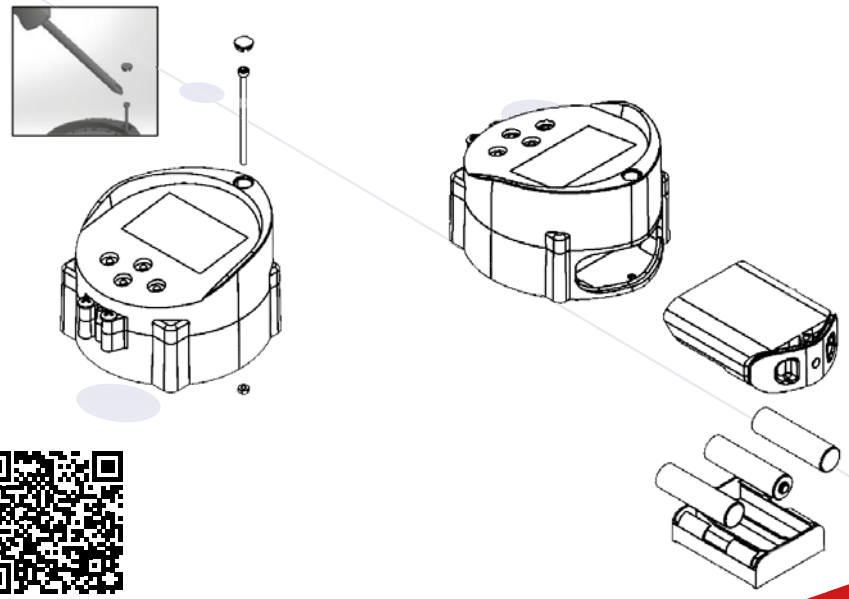
The **new electronic flow meter series *4TT*** features the following characteristics:
- the function is based upon the oval gears measuring system combined with a probe that is measuring electromagnetic pulses monitored by an electronic component.

The flow meter allows to display five different measurement results:
1) the quantity of each individual fluid dispense: single operation measurement (resettable),
2) **FLOW:** It is possible to read the instant flow in liters, quarts, pints and gallons for a continuous monitoring of the precision of the flow meter within the work parameters,
3) **TRIP:** the quantity of a sum of dispenses: partial totalizer (resettable),
4) **TOTAL:** the total of all dispenses ever made: absolute totalizer (not resettable),
5) **MEMORY:** traceability of operations up to 1,000 records with indication of the unit of measurement, date and time in which the delivery was performed.

- possibility of recalibration by the customer to increase the accuracy of the final plant parameters;
- the flow meter has an enlarged display, with simultaneous visibility of 2 different totals (single operation and absolute total);
- the display additionally assures a perfect readability through included backlit feature;
- the flow meter offers the possibility of changing the measuring unit (liters, quarts, pints, gallons);
- it also assures an improved accuracy and repeatability of the measurement;
- easy change of the batteries throught a rear holder;
- the flow meter is equipped by a rubber protection guard;
- the control gun includes a trigger guard and an intergrated inline filter which allows an easier maintenance, offers the possibility of a gradual oil supply through the trigger, and permits to open the valve with a minimum effort.



EASY BATTERIES REPLACEMENT



NEW LINE OF DIGITAL FLOW METERS SERIES 4TT MARS - JUPITER

Art.no. **2811**
Art.no. **2811/RF**
Oil

Art.no. **2813**
Art.no. **2813/RF**
Antifreeze

Art.no. **2812**
Art.no. **2812/RF**
Oil

Art.no. **2810**
Art.no. **2810/RF**
Oil

Mars

Art.no. **2811**
Electronic oval gears flow meter for **oil**, series **MARS**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2813**
Electronic oval gears flow meter for **antifreeze**, series **MARS**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2812**
Electronic oval gears flow meter for **oil**, series **MARS**, with control gun, flexible rubber outlet, ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2810**
Electronic oval gears flow meter for **oil**, series **MARS**, suitable for inline applications, connections 1/2" BSP (F).

Art. no.	2811 2811/RF	2813 2813/RF	2812 2812/RF	2810 2810/RF
Connections	1/2" BSP (M)			1/2" BSP (F)
Flow range	1 - 25 l/min			
Operating temperature range	+ 5°C / + 50°C			
Max working pressure	50 bar (725 psi)			
Accuracy	+/- 0.5%			
Total max resettable	99999 l			
Total max non resettable	99999 l			
Weight	1.4 kg			0.60 kg

Not approved for fiscal transactions.

Jupiter

Art.no. **2811/RF**
Electronic oval gears flow meter for **oil**, series **JUPITER**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).
The flow meters of series **JUPITER** are sophisticated flow meter models due to a radio frequency data transmission to be used in combination with the **RF CONNECT** control unit.

Art.no. **2813/RF**
Electronic oval gears flow meter for **antifreeze**, series **JUPITER**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).
The flow meters of series **JUPITER** are sophisticated flow meter models due to a radio frequency data transmission to be used in combination with the **RF CONNECT** control unit.

Art.no. **2812/RF**
Electronic oval gears flow meter for **oil**, series **JUPITER**, with control gun, flexible rubber outlet, ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).
The flow meters of series **JUPITER** are sophisticated flow meter models due to a radio frequency data transmission to be used in combination with the **RF CONNECT** control unit.

Art.no. **2810/RF**
Electronic oval gears flow meter for **oil**, series **JUPITER**, suitable for inline applications, connections 1/2" BSP (F).
The flow meters of series **JUPITER** are sophisticated flow meter models due to a radio frequency data transmission to be used in combination with the **RF CONNECT** control unit.

NEW LINE OF DIGITAL FLOW METERS SERIES 4TT MARS - JUPITER

Art.no. **2814**
Art.no. **2814/RF**
AdBlue®

Mars

Art.no. **2814**
Electronic oval gears flow meter for **AdBlue®**, series **MARS**, with control gun, rubber protection guard, trigger guard, rigid outlet, anti-drip nozzle and inlet swivel 1/2" BSP (M). Gun with plastic body.

Art.no. **2818**
Electronic oval gears flow meter for **AdBlue®**, series **MARS**, suitable for inline applications, connections 1/2" BSP (F).

Art.no. **2818**
Art.no. **2818/RF**
AdBlue®

Jupiter

Art.no. **2814/RF**
Electronic oval gears flow meter for **AdBlue®**, series **JUPITER**, with control gun, rubber protection guard, trigger guard, rigid outlet, anti-drip nozzle and inlet swivel 1/2" BSP (M). Gun with plastic body.
The flow meters of series **JUPITER** are sophisticated flow meter models due to a radio frequency data transmission to be used in combination with the **RF CONNECT** control unit.

Art.no. **2818/RF**
Electronic oval gears flow meter for **AdBlue®**, series **JUPITER**, suitable for inline applications, connections 1/2" BSP (F).
The flow meters of series **JUPITER** are sophisticated flow meter models due to a radio frequency data transmission to be used in combination with the **RF CONNECT** control unit.

Art. no.	2814 2814/RF	2818 2818/RF
Connections	1/2" BSP (M)	1/2" BSP (F)
Flow range	1 - 25 l/min	
Operating temperature range	+ 5°C / + 50°C	
Max working pressure	10 bar (145 psi)	
Accuracy	+/- 0.5%	
Total max resettable	99999 l	
Total max non resettable	99999 l	
Weight	0.80 kg	0.60 kg

Not approved for fiscal transactions.

PRESET

Larger display with renewed graphics for better visualization

Instant flow

Supply storage (1000 Record)

Easy batteries replacement

Backlit display

Rubber protection cover - Easily removable

New hardware board architecture redesigned with latest technology

Integrated probe for better protection

PRESET activation

New button manual release in PRESET mode

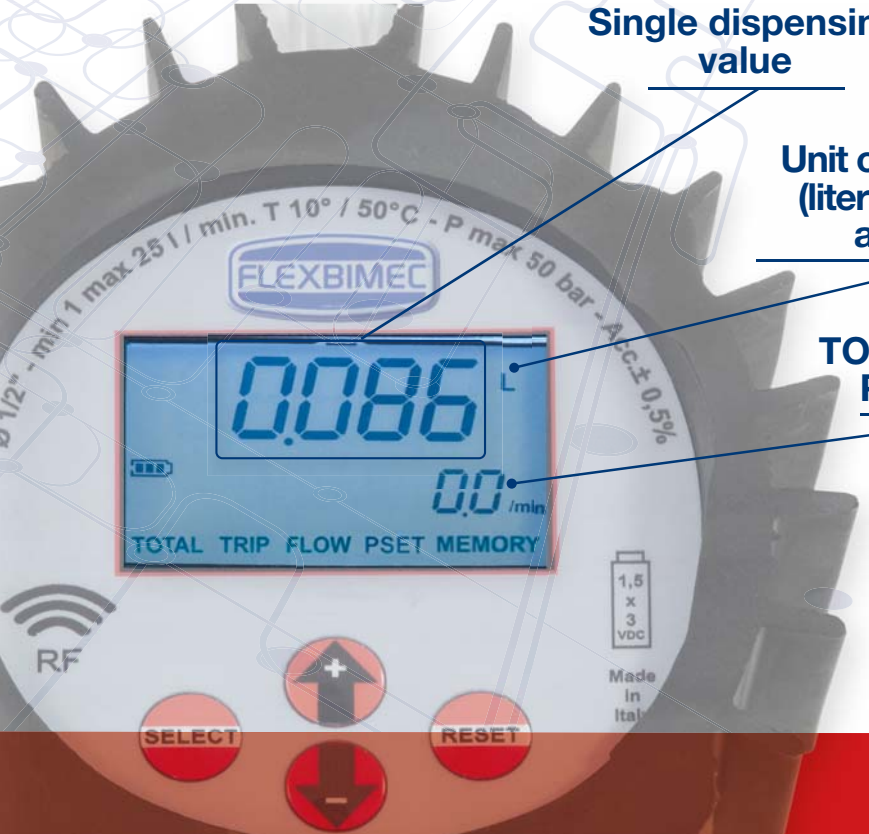
New lever gun protection

NEW LINE ELECTRONIC OIL FLOW METERS WITH PRESET FUNCTION 4TTPS MERCURY - URANUS

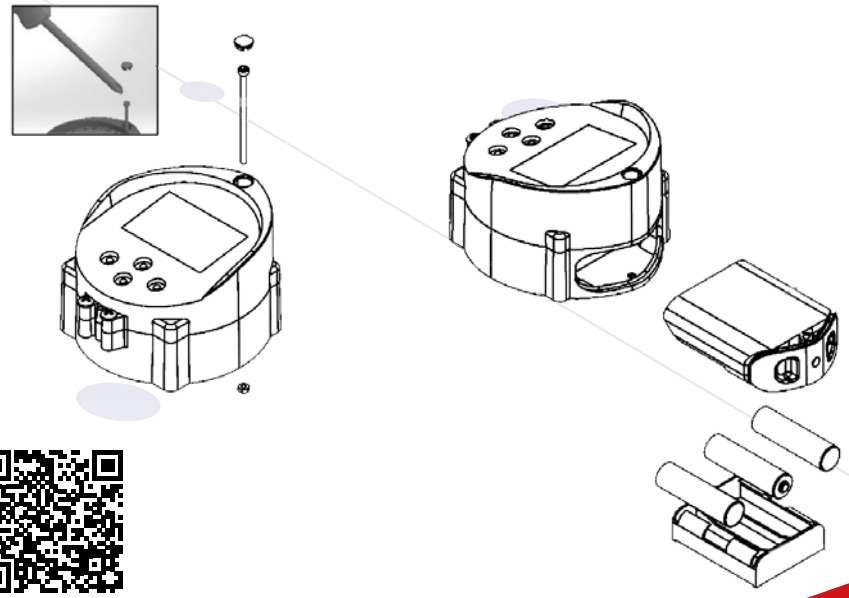
The **new electronic flow meter series *4TTPS*** features the following characteristics:
- the function is based upon the oval gears measuring system combined with a probe that is measuring electromagnetic pulses monitored by an electronic component.

The flow meter allows to display six different measurement results:
1) the quantity of each individual fluid dispense: single operation measurement (resettable),
2) **FLOW:** It is possible to read the instant flow in liters, quarts, pints and gallons for a continuous monitoring of the precision of the flow meter within the work parameters,
3) **TRIP:** the quantity of a sum of dispenses: partial totalizer (resettable)
4) **TOTAL:** the total of all dispenses ever made: absolute totalizer (not resettable)
5) **MEMORY:** traceability of operations up to 1,000 records with indication of the unit of measurement, date and time in which the delivery was performed.
6) **PSET:** preselection of the quantity to be dispensed.

- possibility of recalibration by the customer to increase the accuracy of the final plant parameters;
- the flow meter has an enlarged display, with simultaneous visibility of 2 different totals (single operation and absolute total);
- the display additionally assures a perfect readability through included backlit feature;
- the flow meter offers the possibility of changing the measuring unit (liters, quarts, pints, gallons);
- it also assures an improved accuracy and repeatability of the measurement;
- easy change of the batteries throught a rear holder;
- the flow meter is equipped by a rubber protection guard;
- the control gun includes a trigger guard and an intergrated inline filter which allows an easier maintenance, offers the possibility of a gradual oil supply through the trigger, and permits to open the valve with a minimum effort.



EASY BATTERIES REPLACEMENT



Art.no. **2815**
Art.no. **2815/RF**
Oil

Art.no. **2817**
Art.no. **2817/RF**
Antifreeze

Art.no. **2816**
Art.no. **2816/RF**
Oil

Mercure

Art.no. **2815**
Electronic oval gears preset flow meter for **oil**, series **MERCURY**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2817**
Electronic oval gears preset flow meter for **antifreeze**, series **MERCURY**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2816**
Electronic oval gears preset flow meter for **oil**, series **MERCURY**, with control gun, flexible rubber outlet, ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art. no.	2815 2815/RF	2817 2817/RF	2816 2816/RF
Connections	1/2" BSP (M)		
Flow range	1 - 25 l/min		
Operating temperature range	+ 5°C / + 50°C		
Max working pressure	70 bar (1015 psi)		
Accuracy	+/- 0.5%		
Total max resettable	99999 l		
Total max non resettable	99999 l		
Weight	2 kg		

Not approved for fiscal transactions.

Uranus

Art.no. **2815/RF**
Electronic oval gears preset flow meter for **oil**, series **URANUS**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).
The flow meters of series **URANUS** are sophisticated flow meter models due to a radio frequency data transmission to be used in combination with the **RF CONNECT** control unit.

Art.no. **2817/RF**
Electronic oval gears preset flow meter for **antifreeze**, series **URANUS**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).
The flow meters of series **URANUS** are sophisticated flow meter models due to a radio frequency data transmission to be used in combination with the **RF CONNECT** control unit.

Art.no. **2816/RF**
Electronic oval gears preset flow meter for **oil**, series **URANUS**, with control gun, flexible rubber outlet, ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).
The flow meters of series **URANUS** are sophisticated flow meter models due to a radio frequency data transmission to be used in combination with the **RF CONNECT** control unit.

The new **STM** and **4TT** series allow an upgrade of the previous versions of the digital flow meters thanks to the **interchangeable electronics.**

Neptune

Mars

RF

Jupiter

You can improve your FLEXBIMEC digital meter gun!

FLEXBIMEC

Made in Italy

MADE IN ITALY

FLEXBIMEC INTERNATIONAL S.r.l.

42020 ALBINEA (RE) - ITALY - Via Roma, 26

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UN 08/22