

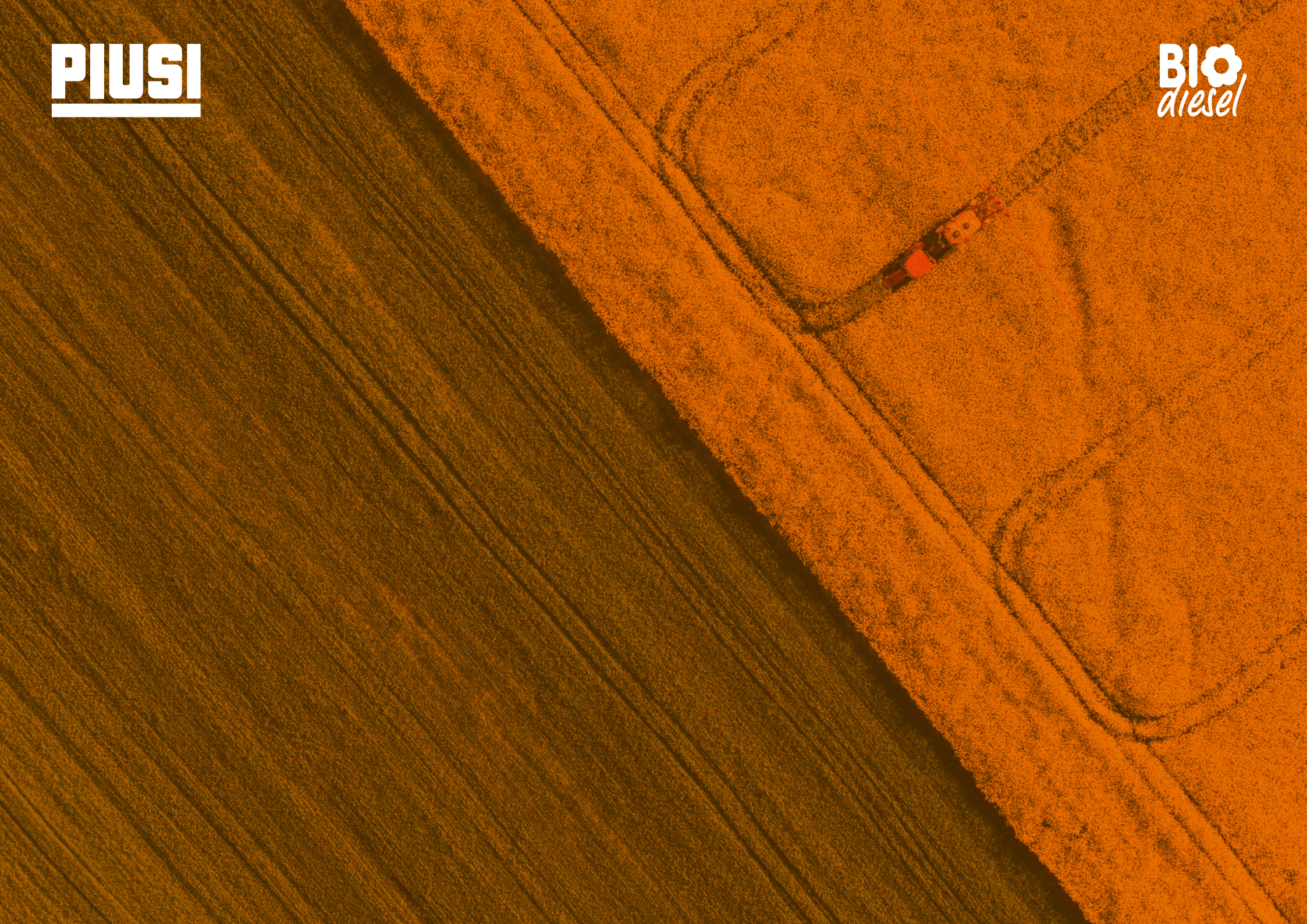
PIUSI

BIO diesel

EQUIPMENT FOR ANY BIODIESEL APPLICATION

PIUSI

BIO
diesel



BE HEALTHIER BE GREENER BE ANY BIODIESEL

Did you know?

Standard diesel can contain up to 7% of Biodiesel: that's why it's known as B7.
B20 or B100 means that the percentage of biodiesel is 20% or 100% OF FUEL PRODUCED FROM RENEWABLE RAW MATERIALS, PRIMARILY FROM RAPESEED.

BIODIESEL

Counting on the well-rooted experience of more than 70 years of history in the fluid handling sector, PIUSI has developed a dedicated range of equipment suitable for transferring, measuring and dispensing ANY BIODIESEL available on the market.

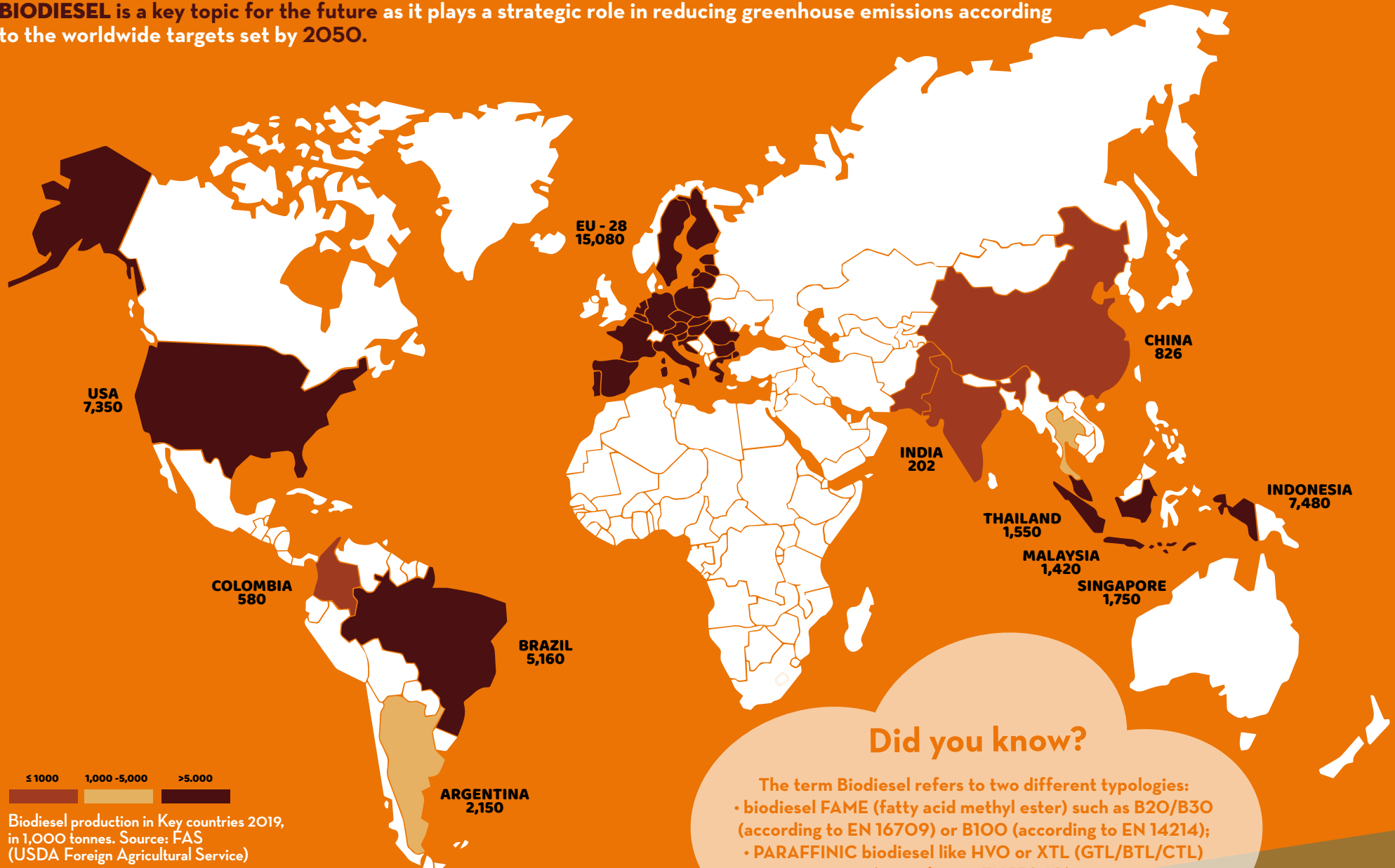
According to a recent survey*, around 60% of interviewed declared that are not sure about the blending rate of the Biodiesel that are using within their activities. To avoid any possible misunderstanding or doubt, all the PIUSI pumps, nozzle, meters and dispenser of the ANY BIODIESEL range works at the maximum efficiency with ANY BLEND:

- avoiding any possible breakdown due to the usage of not-clear mixing;
- reducing time and costs associated to the purchase of specific equipment;
- guaranteeing the same professional performance and top-quality of all PIUSI equipment;
- PIUSI range is suitable for Biodiesel no matter blend rate, raw material type, nor creation process. Valid for Biodiesel made from erapeseed oil, palm oil, used cooking oil, soya oil, animal fats and sunflower oil.

**What are you waiting for?
Be healthier. Be greener. Be ANY BIODIESEL.**

*PIUSI survey on market

BIODIESEL is a key topic for the future as it plays a strategic role in reducing greenhouse emissions according to the worldwide targets set by 2050.



Biodiesel production in Key countries 2019, in 1,000 tonnes. Source: FAS (USDA Foreign Agricultural Service)

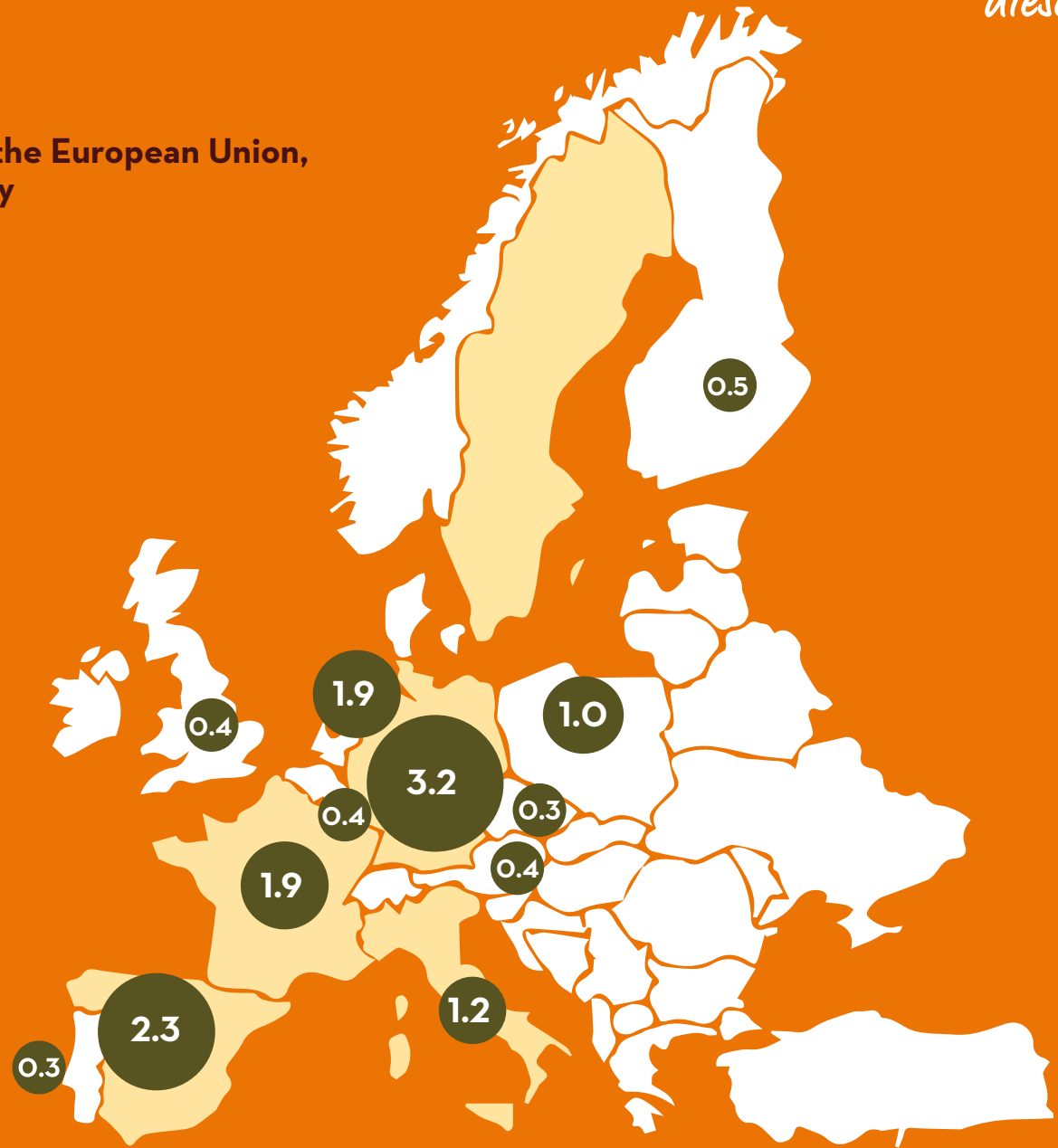
Did you know?

The term Biodiesel refers to two different typologies:

- biodiesel FAME (fatty acid methyl ester) such as B20/B30 (according to EN 16709) or B100 (according to EN 14214);
- PARAFFINIC biodiesel like HVO or XTL (GTL/BTL/CTL) (according to EN 15940).

The single most important Biodiesel producer is the European Union, which accounts for 33% of global output of nearly 46 million tonnes in 2019.

In the EU, Biodiesel is the most consumed renewable energy in the transport sector. The top 5 consumers are: Germany, France, Spain, Italy and Sweden (2020). Together they account for 64% of the total EU biodiesel consumption in the transport sector.



Biodiesel production in key EU countries, in 2019. In million tonnes. Source: FAS (USDA Foreign Agricultural Service)

PIUSI



Any BIODIESEL range: **PUMPS**

All our solutions easily suit a variety of applications. Ready-to-use, versatile and handy equipment to manage safely refueling operations: pumps, meters, nozzles and dispensers.

PANTHER AC BIO

Versatile self-priming rotary electric vane transfer pump particularly suitable for dispensers, fixed fuel transferring system and other industrial applications
It is equipped with a by-pass valve and an incorporated filter to stop impurities.



**FLOW-RATE:
UP TO 72 L/MIN**

- AC 230 V
- Continuous duty cycle
- Integrated filter
- Built-in bypass valve
- Self-priming

E120 BIO

Self-priming rotary electric vane pump, compact and easy to install, suitable to meet all those use requirements needing a high-performance and long lasting product. The sturdy structure along with the top-quality components allow its use at several working temperatures.



FLOW-RATE: UP TO 100 L/MIN

- AC 230 V
- Continuous duty cycle
- Motor thermal protection
- Vane rotor
- Integrated by-pass valve
- Long lasting low speed motor (1450 rpm)
- Self-priming

BP3000 BIO

Long-lasting, self-priming vane pump. Powerful, versatile and compact, it is equipped with a built-in by-pass valve. It represents the core of the PIUSI range of pumps for on-board applications.



FLOW-RATE: UP TO 50 L/MIN

- DC12 V
- Duty cycle: 30min ON/ 30min OFF
- Vane rotor
- Self-priming up to 6 meters
- Built-in bypass valve



PIUSI



Any BIODIESEL range: **METERS**

When precision matters, PIUSI is protagonist with a top-quality range of mechanical and electronic meter to precisely measure any quantity of Biodiesel dispensed with the maximum accuracy and repeatability.

K24-A

Thanks to its structural features, PIUSI K24-A is suitable for ANY BIODIESEL. The famous turbine digital flow meter by PIUSI is easy to install in-line or at the end of a delivery pipe, it is equipped with a rotatable display.



ACCURACY: $\pm 1\%$

- Repeatability: 0,2%
- Flow-rate: 7-120 l/min
- Max operating pressure: 20 bar
- Rotating display
- Bi-directional
- Turbine digital meter

K600 BIO

PIUSI's K600 BIO is an oval gear meter suitable for monitoring the dispensing of BIODIESEL. This special version includes a built-in 80-mm digital display that can be rotated to fit any application.



ACCURACY: $\pm 0,5\%$

- Repeatability: 0,2%
- Flow-rate: 10-100 l/min
- Max operating pressure: 30bar
- Rotating display

K33 BIO

Reliable, easy to install and to calibrate, K33 BIO is equipped with a nutating disk that allows it to be installed in all four flow directions.

The display shows up to three digits.



ACCURACY: $\pm 1\%$

- Repeatability: 0,3%
- Flow-rate: 20-120 l/min
- Max operating pressure: 3,5 bar
- Nutating disk system

K150 BIO

Expressly engineered to meet the market requirements of a meter suitable for flow rates up to 150 l/min, K150 BIO features an aluminium cover and a sturdy body that make this meter suitable for a wide arrange of application. It can be installed everywhere thanks to the (optional) 1,5" flange kit.



ACCURACY: $\pm 1\%$

- Repeatability: 0,3%
- Flow-rate: 25-150 l/min
- Max operating pressure: 3,5 bar
- Nutating disk system
- Metallic cover



PIUSI



Any BIODIESEL range: **DISPENSERS**

Set up your Biodiesel refueling area thanks to the top-performance dispenser ST and BATTERY KIT by PIUSI: an all-in-one equipment for all applications.

Did you know?

The ANY BIODIESEL range is 100% Made in PIUSI: top-quality materials and performance, but greener!

ST BIO

This dispenser is particularly indicated for all applications in which a filtration is required. The station integrate the Biodiesel filter, the PANTHER AC BIO or E120 BIO pumps and the mechanical meter K33 BIO/K150 BIO.



FLOW-RATE: UP TO 70 L/MIN

- PANTHER 72 BIO - 230V AC version
- Mechanical meter K33 Bio Accuracy: $\pm 1\%$
- Automatic nozzle A70
- Biodiesel filter
- 3/4"-6mt dispensing hose
- Nozzle support

Also available with E120 BIO

ST BOX BIO

BIODIESEL filling station complete with pump, flow meter and filter, with lockable metal protection box. The unit is complete with hose antistatic for Biodiesel and automatic dispensing gun.



**FLOW-RATE:
UP TO 70 L/MIN**

- **PANTHER 72 BIO - 230V
AC version**
- **Digital meter K600 BIO
Accuracy: $\pm 0,5\%$**
- **Automatic nozzle A70**
- **Biodiesel filter**
- **3/4"-6mt dispensing hose**

Also available with K33 BIO

BATTERY KIT BIO

The PIUSI BATTERY KIT is a portable transfer unit with a self-priming electric vane pump, specifically engineered for mobile applications.



**FLOW-RATE:
UP TO 50 L/MIN**

- **BP3000 BIO - 12V
DC version**
- **Vertical ports**
- **Digital meter K24-A
Accuracy: $\pm 1\%$**
- **Manual nozzle
SELF 2000 BIO**
- **3/4" - 4mt dispensing hose**



Any BIODIESEL range:
ACCESSORIES

HOSES BIO

Delivery hoses for BIODIESEL, suction hoses, crimped hoses: una vasta scelta per completare la gamma con gli accessori PIUSI.



CRIMPED HOSE

- Ø20 - Ø25
- Length 6M
- 1"X1"



HOSE

- Ø20 - Ø25
- Length 60M

A120 - A70 BIO

The PIUSI ANY BIODIESEL range includes the two automatic guns A70 BIO and A120 BIO suitable for use with any biodiesel blend.

They feature an integrated flow stop mechanism when the tank is full. They are compact and durable; suitable for use in a variety of settings.



**FLOW-RATE:
UP TO 120 L/MIN**

- A120 BIO: spout 29mm
- 1" BSP inlet



**FLOW-RATE:
UP TO 70 L/MIN**

- A70 BIO: spout 24mm
- 1" BSP inlet

SELF 2000 BIO

The manual nozzle PIUSI SELF 2000 BIODIESEL offers maximum efficiency due to its low flow resistance and wide range of applications, including gravity transfer systems.



**FLOW-RATE:
UP TO 120 L/MIN**

- Spout 25mm
- 1" BSP inlet

PRODUCT RANGE

CODE	DESCRIPTION	FLUID TYPE	FLOW-RATE	ACCURACY	VOLTAGE
PUMPS					
FOO732B00	PANTHER 72 230V/50HZ B100	Biodiesel	72 l/min	-	230V AC
FOO326B00	E 120/M - INT. FLANGE D.80 B100	Biodiesel	100 l/min	-	230V AC
FOO342B00	BP3000 12V B100	Biodiesel	50 l/min	-	12V DC
METERS					
FOO554B10	CONTALITRI K150 - 1" BSP VER.A B100	Biodiesel	25 - 150 l/min	± 1%	-
FOO550B00	CONTALITRI K33 1" BSP VER.A B100	Biodiesel	20 - 120 l/min	± 1%	-
FOO492B00	K600 B/3 1" BSP PULS OUT B100	Biodiesel	10 - 100 l/min	± 0,5%	-
FOO408100	K24-A M/F 1" BSP	Biodiesel	7 - 120 l/min	± 1%	-
DISPENSERS					
FOO365B40	ST BOX P72M K600 B/3 PULS A70 WC 6M B100	Biodiesel	Up to 70 l/min	K600 > ± 0,5%	230V AC
FOO365B30	ST CASSETTA P72/M K33 A70 WC 6MT B100	Biodiesel	Up to 70 l/min	K33 > ± 1%	230V AC
FOO395B00	ST E120 K150/F/6MT/PA120 B100	Biodiesel	Up to 100 l/min	K150 > ± 1%	230V AC
FOO265B00	ST PANTHER 72 K33/F/6MT/PA60 B100	Biodiesel	Up to 70 l/min	K33 > ± 1%	230V AC
ACCESSORIES					
F23554000	TUBO B100 D.20 60MT	Biodiesel	-	-	-
F23555000	TUBO B100 D.25 60MT	Biodiesel	-	-	-
F23556000	TUBO B100 Ø20 L=6M 1"X1"	Biodiesel	-	-	-
F23607000	TUBO B100 Ø25 L=6M 1"X1"	Biodiesel	-	-	-
FOO641B00	SELF 2000 1" BSP B100	Biodiesel	Up to 120 l/min	-	-
FOO610B00	AUTOMATIC NOZZLE A120 W/SWIV. 1" BSP B100	Biodiesel	Up to 120 l/min	-	-
FOO603B00	AUTOMATIC NOZZLE A70 1" BSP B100	Biodiesel	Up to 70 l/min	-	-

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**ANY BIODIESEL
RANGE:
THE PERFECT
SOLUTION
FOR ANY
BLENDING!**

The ANY BIODIESEL range is available worldwide through a professional network of authorized dealers.

Get in touch with our local partner to order your dispenser or contact PIUSI for further information.



PIUSI

piusi.com

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