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1 DICHIARAZIONE CE DI CONFORMITÀ

La sottoscritta: PIUSI S.p.A. Via Pasquetti 16/A - z.l. Rangovino 46029 Suzzara - (MN) - Italia
DICHIARA sotto la propria responsabilità, che l'apparecchiatura descritta in appresso:
Descrizione: Sistema di Filtraggio per olio/Gasolio
Modello: FILTROLL
Matricola: riferirsi al Lot Number riportato sulla targua CE apposta sul prodotto.
Anno di costruzione: riferirsi all'anno di produzione riportato sulla targua CE apposta sul prodotto.

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Per salvaguardare l'incolumità degli operatori, per evitare possibili danneggiamenti e prima di compiere qualsiasi operazione, è indispensabile avere preso conoscenza di tutto il manuale istruzioni.

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MADE IN ITALY

Installation, use and maintenance IT
Installation, use and maintenance EN

BULLETIN M0210 B ITEM\_00

PIUSI Fluid Handling Innovation

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**1 CE DECLARATION OF CONFORMITY**

The undersigned: PIUSI S.p.A.  
Via Pacinotti 16/A z.l. Rangavino  
46029 Suzzara - (MN) - Italy

DECLARES under its own responsibility that the machine described below:  
Description: **Filtering system for oil / Diesel fuel**  
Model: **FILTROLL**  
Serial No.: refer to Lot Number shown on CE plate affixed to product  
Year of manufacture: refer to the year of production shown on the CE plate affixed to the product  
is in conformity with the legal provisions indicated in the directives:  
- **Machine Directive 2006/42/EC**  
- **Electromagnetic Compatibility Directive 2014/50/EU**  
The documentation is at the competent authority following motivated request at PIUSI S.p.A. or following request sent to the email address: [doc.tec@piusi.com](mailto:doc.tec@piusi.com)  
The person authorised to compile the technical file and draw up the declaration is Otto Varini as legal representative.

*Otto Varini*  
legal representative

Suzzara, 20/04/2016

**2 GENERAL WARNINGS**

**Important precautions**  
To ensure operator safety and to protect the pump from potential damage, workers must be fully acquainted with this instruction manual before performing any operation.

**Symbols used in the manual**  
The following symbols will be used throughout the manual to highlight safety information and precautions of particular importance.



**ATTENTION**  
This symbol indicates safe working practices for operators and/or potentially exposed persons.



**WARNING**  
This symbol indicates that there is risk of damage to the equipment and/or its components.



**NOTE**  
This symbol indicates useful information.

**Manual preservation**  
This manual should be complete and legible throughout. It should remain available to end users and specialist installation and maintenance technicians for consultation at any time.

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**3 SAFETY INSTRUCTIONS**

**ATTENTION**  
Mains - preliminary checks before installation  
Maintenance control  
Before any checks or maintenance work are carried out, disconnect the power source.

**FIRE AND EXPLOSION**  
When flammable fluids are present in the work area, such as gasoline and windshield wiper fluid, be aware that flammable fumes can ignite or explode.

**ELECTRIC SHOCK**  
This equipment must be grounded. Improper grounding, setup or usage of the system can cause electric shock.  
Turn off and disconnect power cord before servicing equipment.  
Connect only to a grounded electrical outlets.  
Only use cables with grounded in accordance with local electrical codes. Extension cords should have a ground lead.  
Ensure ground prongs are intact on power and extension cords.  
Do not expose to rain. Store indoors.  
Never touch the electric plug of socket with wet hands.  
Do not turn the dispensing system on if the power connection cord or other important parts of the apparatus are damaged, such as the inlet/outlet plumbing, dispensing nozzle or safety devices. Replace damaged components before operation.  
Before each use check that the power connection cord and power plug are not damaged. If damaged, have power connection cord replaced before use by a qualified electrician.  
The electrical connection between the plug and socket must be kept well away from water.

**UNSUITABLE EXTENSION LEADS CAN BE DANGEROUS. IN ACCORDANCE WITH CURRENT REGULATIONS, ONLY EXTENSION CORDS THAT ARE LABELLED FOR OUTDOOR USE AND HAVE A SUFFICIENT CONDUCTION PATH SHOULD BE USED OUTDOORS.**  
For safety reasons, we recommend that, in principle, the equipment be used only with an earth-leakage circuit breaker (max 30 mA).

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For safety reasons, we recommend that, in principle, the equipment be used only with an earth-leakage circuit breaker (max 30 mA).

Electrical connections must use ground fault circuit interrupter (GFCI).

Installation operations are carried out with the box open and accessible electrical contacts. All these operations have to be done with the unit isolated from the power supply to prevent electrical shock!

Do not operate the unit when fatigued or under the influence of drugs or alcohol.  
Do not leave the work area while equipment is energized or under pressure.  
Turn off all equipment when equipment is not in use.  
Do not alter or modify equipment. Alterations or modifications may void agency approvals and create safety hazards.

Route hoses and cables away from traffic areas, sharp edges, moving parts, and hot surfaces.  
Do not kink or over bend hoses or use hoses to pull equipment.  
Keep children and animals away from work area.  
Comply with all applicable safety regulations.

Do not exceed the maximum operating pressure or the temperature of the part with lower nominal value of the system. See Technical Data in all equipment manuals.  
Use fluids and solvents that are compatible with the wetted part of the system. See Technical Data in all equipment manuals. Read the manufacturer's instructions of the fluids and solvents. For more information on the material, request the safety data sheet (MSDS) from the distributor or dealer.

Check the equipment every year. Immediately repair or replace worn or damaged parts only with original spare parts of the manufacturer.  
Make sure the equipment is classified and approved compliant with the standards of the environment where it is used.  
Use the equipment only for the intended use. Contact your distributor for more information.  
Keep hoses and cables far from traffic areas, sharp edges, moving parts and hot surfaces.  
Do not bend or over bend the hoses or use the hose to pull the equipment.  
Do not bend or over bend the hoses or use the hose to pull the equipment.

To avoid severe burns do not touch hot fluid or equipment.  
Read MSDS's to know the specific hazards of the fluids you are using.  
Store hazardous fluid in approved containers, and dispose of it according to applicable guidelines.  
Prolonged contact with the treated product may cause skin irritation; always wear protective gloves during dispensing.

**BURN HAZARD**  
To avoid severe burns do not touch hot fluid or equipment.

**TOXIC FLUID OR FUMES HAZARD**  
Read MSDS's to know the specific hazards of the fluids you are using.  
Store hazardous fluid in approved containers, and dispose of it according to applicable guidelines.  
Prolonged contact with the treated product may cause skin irritation; always wear protective gloves during dispensing.

**3.1 FIRST AID RULES**  
NOTE  
Please refer to the safety data sheet for the product

**ELECTROCUTION**  
Disconnect the unit from the mains, or use a dry insulator as protection while moving the electrocuted person far from any conductor. Do not touch the electrocuted person with bare hands until he/she is far from any conductor. Ask qualified and trained people for help immediately.

**SMOKING PROHIBITED**  
When operating the filtering system and in particular during dispensing, DO NOT SMOKE and do not use open flame.

**3.2 GENERAL SAFETY RULES**  
ESSENTIAL PROTECTIVE EQUIPMENT CHARACTERISTICS  
PERSONAL PROTECTIVE EQUIPMENT TO WEAR

Wear protective equipment that is:  
- suited to the operations that need to be performed;  
- resistant to cleaning products.

Safety shoes;  
Close-fitting clothing;  
Protective gloves;  
Safety goggles.  
Instruction manual.

Prolonged contact with the treated product may cause skin irritation; always wear protective gloves during dispensing.

**WARNING**  
Never touch the electric plug or socket with wet hands.  
Do not switch the dispensing system on if the network connection cable or important parts of the apparatus are damaged, such as the inlet/outlet pipe, nozzle or safety devices. Replace the damaged pipe immediately.  
Before each use, check that the network connection cable and power plug are not damaged. Have the network connection cable replaced immediately by a qualified electrician.  
The electrical connection between the plug and socket must be kept well away from water.  
Unsuitable extension leads can be dangerous. In accordance with current regulations, only extension cords that are labelled for outdoor use and have a sufficient conduction path should be used outdoors.  
For safety reasons, we recommend that, in principle, the equipment be used only with an earth-leakage circuit breaker (max 30 mA).

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**5 PACKAGE CONTENTS/PRE-INSPECTION**

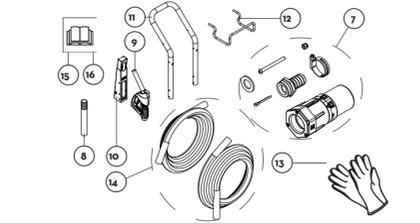
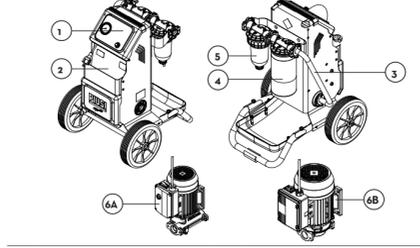
**FOREWORD**  
To open the packaging, use a pair of scissors or a cutter. Check that the following components provided as part of the equipment are available.

**NOTE**  
In the event that one or more of the components described below are missing from inside the package, please contact PIUSI S.p.A. technical support.

**ATTENTION**  
Check that the data on the plate correspond to the used specifications. In the event of any anomaly, contact the supplier immediately, indicating the nature of the defects. Do not use equipment which you suspect might not be safe.

**5.1 COMPOSITION OF FILTROLL**

- 1 Front part
- 2 Accessory pocket
- 3 Flared pipe
- 4 Water captor filter
- 5 Clear captor filter
- 6A Pump for Diesel fuel
- 6B Pump for lubricating oil
- 7 Small metal items kit
- 8 Oil probe
- 9 Diesel fuel nozzle
- 10 Nozzle Support
- 11 Handle
- 12 Pipe support
- 13 Protection gloves
- 14 Delivery and suction pipes
- 15 Filtroll use and maintenance handbook
- 16 Pump use and maintenance handbook



**6 MACHINE AND MANUFACTURER IDENTIFICATION**

The filtering system comes with an identification plate; this is attached to the system and contains the following information:  
- type;  
- lot number / production year;  
- technical data;  
- use and maintenance handbook code.

**ATTENTION**  
Before installing, always make sure the type of filtering system is correct and suitable for the available power supply. (Voltage / Frequency)

**NOTE**  
Should this situation arise, please contact our support department and arrange to have the damaged or missing plates sent back and replaced where necessary.

**THE DECALS PRESENT ARE AS FOLLOWS:**

- Protection gloves
- Safety goggles
- Close-fitting clothing
- Safety shoes



In case of lifting make sure that capacity of lifting means and accessories (bands, for example) are suitable. Handling and lifting equipment shall be used by authorized and properly trained personnel only.

**7 TECHNICAL SPECIFICATIONS**

<b>Dimensions</b>	
<b>Width</b>	540 mm
<b>Depth</b>	584 mm
<b>Height</b>	1220 mm
<b>Weight</b>	35 Kg

Type	Power Supply Voltage (V)	Frequency (Hz)	Current supply (A) (*)	Power (W)	Flow rate (l/min)	Max. pressure (bar)	Grit (µm)
FILTROLL DIESEL FUEL 230/50-60	230	50-60	3-6	350-600	56	2,8	2900-3500
FILTROLL DIESEL FUEL 12V DC	12	DC	35	300	56	2,5	3000
FILTROLL LUBE OIL	230	50	4,6	750	25	4,6	1400
FILTROLL LUBE OIL	230	60	4,6	750	25	4,6	1400

(\*) refers to functioning with maximum back pressure

**8 INTENDED USE**

**INTENDED USE**  
The filtering system FILTROLL was designed and built to dispense oil/diesel fuel.  
The filtering system FILTROLL should be used by observing the following conditions:  
Max. temperature of dispensed product: +55°C / 132°F  
Min temperature of dispensed product: -10°C / 122°F  
Max. temperature of dispensed product permitted by materials: +40°C / +104°F.  
Equivalent continuous sound pressure level at the workstation: 75 dB(A).  
Make sure that the pump operates within its nominal operating parameters.  
\* DIESEL FUEL with a viscosity between 2 and 5,35 cSt (at a temperature of 37,8°C/100°F)  
Minimum Flash Point (PM): 55°C/131°F  
\* OIL with a VISCOSITY from 50 to 2000 cSt (at working temperature)

**WARNING INFLAMMABLE LIQUIDS AND EXPLOSIVE ATMOSPHERE**  
The system "FILTROLL" was not designed for dispensing petrol, flammable liquids with flash point 55°C/131°F or for operation in environments with potentially explosive atmosphere. The use in the above mentioned conditions is forbidden.  
Room temperature: min. -20°C / max +60°C  
Relative humidity: max 90%  
The temperature limits shown apply to the pump components and must be respected to avoid possible damage or malfunction.

**ATTENTION ENVIRONMENTAL CONDITIONS**  
Depending on the model, the maximum acceptable variations from the electrical parameters are +/- 10% of the nominal value.  
**Power supply from lines with values that do not fall within the indicated limits could cause damage.**

**ELECTRICAL POWER SUPPLY**  
**FLUIDS NOT PERMITTED**  
- Petrol  
- Flammable liquids with pm <55°C  
- Liquid food products  
- Corrosive chemical products  
- Solvents  
- Liquids with viscosity >20 cSt

**RELATED DANGERS**  
- fire, explosion  
- pump oxidation  
- contamination of the same pump corrosion  
- injury to persons  
- fire, explosion  
- damage to gasket seals  
- motor overload (PANTHER DC)

**ATTENTION**  
It is absolutely forbidden to use the system for purposes different from those specified in section "Intended use".  
Do not operate the system for any purpose other than the purpose described within this manual; all other use is considered "IMPROPER" and will result in PIUSI S.p.A. disclaiming any responsibility for damage to property, people, animals or to the system itself.

**UNINTENDED USE**  
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