

## 2 CONFORMITY 2.1 FACSIMILE COPY OF EU DECLARATION OF CONFORMITY

The undersigned

PIUSI S.p.A.

Via Pacinotti 16/A z.i. Rangavino 46029 Suzzara - Mantova - Italy

46029 Suzzara - Mantova - Italy HEREBY STATES under its own responsibility that the equipment described below:

### Description : SUBMERSIBLE VOLUMETRIC ELECTRIC PUMP

### Model: PIUSI SQUALO35

Serial number: 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 complies with the following legislation:

- Machinery Regulations

- Electromagnetic compatibility

The technical file is at the disposal of the competent authority following motivated request at PIUSI S.p.A. or following request sent to the e-mail address: doc\_tec@piusi.com.

THE ORIGINAL DECLARATION OF CONFORMITY IS PROVIDED SEPARATELY WITH THE PRODUCT

### 2.2 DECLARATION OF COMPATIBILITY

The undersigned:

PIUSI S.p.A Via Pacinotti 16/A - z.i. Rangavino 46029 Suzzara - (MN) - Italy

DECLARES

That **SQUALO35** components in direct contact with the liquids handled, have been tested in conformity with the following directives

ISO22241-1: 2006 (quality standard)

Diesel engines -- NOx reduction agent AUS 32 -- Part 1: Quality requirements and have been tested with the requirements of the following norm

ISO22241-2 : 2006 (quality standard)

Diesel engines -- NOx reduction agent AUS 32 -- Part 2: Test methods

The Adblue liquid , both before and after testing, resulted within the specified AUS32 (AdBlue) limit in conformance with ISO22241-2-2006 ( as per Norm DIN V 70070)

## MACHINE DESCRIPTION

PUMP MOTOR

3

Submersible volumetric electric pump for AUS32 (DEF, AdBlue®). Brush motor, DC, low tension with intermittent cycle, closed type in protection class IP68 according to CEI-EN 60034-5,

### 3.1 HANDLING AND TRANSPORT

(DPI)

Foreword

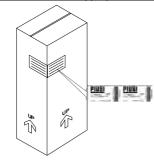
Due to the limited weight and dimensions of the pumps, special lifting equipment is not required to handle them. The pumps are carefully packed before dispatch. Check the packing when receiving the material and store in a dry place. **During transport, it is mandatory to use personal protective equipment** 

ATTENTION

### PACKAGING

The pump is equipped comes packed suitably for shipment. On the packaging a label shows the following product information: Under no circumstances must the electric pump be supported or transported to the power cord. Be use it to the appropriate handle

- name
- code
- weight

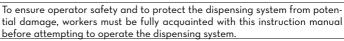


|   | WEIGHT (Kg) | PACKAGING DIMENSION(mm) |
|---|-------------|-------------------------|
| _ | 7           | 200 x 200 x 430         |
| _ |             |                         |

### 4 GENERAL WARNINGS

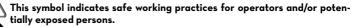
### Warnings

Symbols used in the manual



The following symbols will be used throughout the manual to highlight safety information and precautions of particular importance:

### ATTENTION



WARNING

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

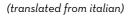
NOTE

### 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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|--|----------|--|
| 5 SAF  | ЕТҮ      | 'INSTRUCTIONS  |
| Mains - pre-<br>liminary checks<br>before inst<br>Maintenance  |          | ATTENTION<br>You must avoid any contact between the electrical power supply and the<br>fluid that needs to be FILTERED.<br>Before any checks or maintenance work are carried out, disconnect the   |
| control<br>FIRE AND  | <b>A</b> | power source.<br>Pump not suitable for pumping flammable liquids or operating in explosive   |
| <b>EXPLOSION</b><br>When flammable<br>fluids are present<br>in the work area,<br>such as gasoline<br>and windshield<br>wiper fluid, be<br>aware that flam- |          | environments   |
| mable fumes can<br>ignite or explode.<br>To help prevent fire  |          |  |
| and explosion:<br>ELECTRIC<br>SHOCK  |          | This pump must be grounded. Improper grounding, setup or usage of the pump can cause electric shock.<br>Connect only to a grounded electrical outlets.   |
| Electrocution or<br>death  | n or     | Use only 3 wire extension cords in accordance with local electrical codes.<br>Extension cords should have a ground lead.   |
|  |          | Ensure ground prongs are intact on power and extension cords.<br>Outside, use only extensions suitable for specific use, according to applicable<br>regulations.<br>Unsuitable extensions may be dangerous   |
|  |          | Never touch electrical connections with wet hands<br>Do not turn the pump on if the power connection cord or other important parts of<br>the apparatus are damaged, such as the inlet outlet plumbing, dispensing nozzle or  |
|  |          | safety devices. Replace damaged components before operation.<br>Before each use check that the power connection cord and power plug are<br>not damaged. If damaged, have power connection cord replaced before use   |
|  |          | by a qualified electrician.<br>The electrical connection between the plug and socket must be kept well<br>away from water.   |
|  |          | Unsuitable extension leads can be hazardous, 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<br>only with a 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 elec- |  |  |
|                    |          | trical contacts. All these operations have to be done with the unit isolated   |  |  |
|                    |          | from the power supply to prevent electrical shock!                             |  |  |
|                    | _1.      | Do not operate the unit when fatigued or under the influence of drugs or       |  |  |
| EQUIPMENT          | ul • Ju  | alcohol.   |  |  |
| MISUSE             |          | Do not leave the work area while equipment is energized or under pressure.     |  |  |
| Misuse can         |          | Turn off all equipment when equipment is not in use.                           |  |  |
| cause death or     |          | Do not alter or modify equipment. Alterations or modifications may void        |  |  |
| serious injury     |          | 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.                                 |  |  |
| <b>BURN HAZARD</b> | $\wedge$ | To avoid severe burns do not touch hot fluid or equipment.                     |  |  |
|                    | 111      |  |  |  |
| Toxic Fluid or     | ٨        | Read MSDS's to know the specific hazards of the fluids you are using.          |  |  |
| Fumes Hazard       | 1        | Store hazardous fluid in approved containers, and dispose of it according to   |  |  |
| Fomes Huzuru       | 10       | applicable guidelines.   |  |  |
|                    |          | Prolonged contact with the treated product may cause skin irritation: always   |  |  |
|                    |          | wear protective gloves during dispensing.                                      |  |  |
|                    |          | mear protective gioves doring dispensing.                                      |  |  |

## 6 FIRST AID RULES

Persons who have suffered electric shock Disconnect the power source, or use a dry insulator to protect yourself while you move the injured person away from any electrical conductor. Avoid touching the injured person with your bare hands until he is far away from any conductor. Immediately call for help from qualified and trained personnel. Do not operate switches with wet hands.

## 7 GENERAL SAFETY RULES

| ESSENTIAL PROTEC-                 | Wear protective equipment that is:                                      |
|-----------------------------------|---|
| TIVE EQUIPMENT                    | <ul> <li>Suited to the operations that need to be performed;</li> </ul> |
| CHARACTERISTICS                   | Resistant to cleaning products.   |
| PERSONAL<br>PROTECTIVE            | Safety shoes;   |
| EQUIPMENT<br>THAT MUST BE<br>WORN | Close-fitting clothing;   |
|                                   | Protection gloves;  |
| ۲                                 | Safety goggles;   |
|                                   | Instructions manual   |



Installation, use and maintenance

### TECHNICAL DATA 8

| Voltage/<br>Frequency<br>(V/Hz) |     | Power (W<br>/ Hp) | RPM           | Flow Rate |          | Type of Service<br>(S1-continuous;<br>S3-periodic<br>intermittent) | Tank minimum<br>level<br>(mm / in) |
|---------------------------------|-----|-------------------|---------------|-----------|----------|--|------------------------------------|
| 230<br>50/60                    | 4,0 | 560 /<br>0,75     | 2850/<br>3600 | 35        | 2,1 / 31 | S1   | 30 / 1,18                          |

### **ATTENTION**

The data refers to the following operating conditions: Fluid: Water Temperature: 20° C

#### **OPERATING CONDITIONS** 9

#### 9.1 ENVIRONMENTAL CONDITIONS

TEMPERA-TURE RELATIVE HUMIDITY **ATTENTION**  min. +12 °F / max +104 °F min. -11 °C / max +40 °C max. 100%

**ATTENTION** 



The temperature limits shown apply to the pump components and must be respected to avoid possible damage or malfunction.

The pump does not work with frozen fluid. Consult the fluid data sheet for the range of use.

#### 9.2 ELECTRICAL POWER SUPPLY

NOTE

The pump must be powered by a single-phase line in alternating current whose nominal values are indicated in the table in the paragraph "TECHNICAL DATA". The maximum acceptable variations for the electrical parameters are: Voltage: +/- 5% of the nominal value

**ATTENTION** 

Power supply from lines with values that do not fall within the indicate limits could cause damage to the electrical components and reduction of working performance.

#### 9.3 DUTY CYCLE

NOTE

The pumps have been designed for continuous.



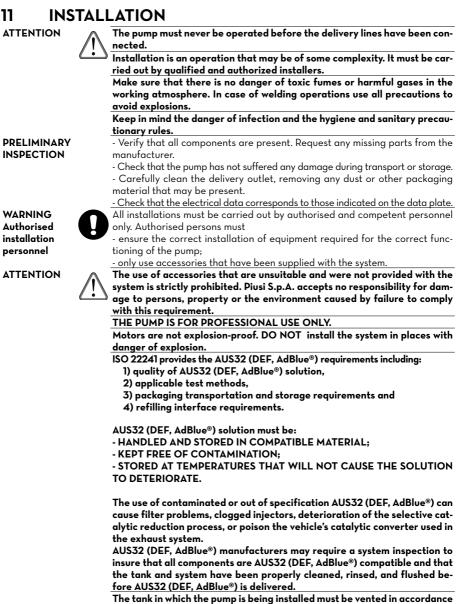
## 10 INTENDED USE

The pump SQUALO35 has been designed and aimed only to deliver AUS32 (DEF, AdBlue<sup>®</sup>), partially or totally immersed in the fluid. To guarantee the correct use and the declared performance of the pump, any tampering is forbidden.

### 10.1 PERMITTED AND NON-PERMITTED FLUIDS

| FLUIDS<br>PERMITTED |                    | - AUS32 (DEF, AdBlue®)   |  |  |  |  |
|---------------------|--------------------|--|--|--|--|--|
| FLUIDS NON-         |                    | - DIESEL FUEL  | - OXIDATION OF PUMP                          |  |  |  |
| PERMITTED           |                    | - PETROL   | - FIRE                                       |  |  |  |
|                     |                    | . = = =  |  |  |  |  |
| AND                 |                    | - INFLAMMABLE LIQUIDS  | - EXPLOSION                                  |  |  |  |
| RELATED             |                    | - CORROSIVE CHEMICAL   | - CORROSION AND INJURY                       |  |  |  |
| DANGERS             |                    | PRODUCTS   | TO PERSONS                                   |  |  |  |
|                     |                    | - SOLVENTS   | - DAMAGE TO GASKET SEALS                     |  |  |  |
|                     |                    | - WATER  | - FLUID CONTAMINATION                        |  |  |  |
|                     |                    | - FOOD LIQUIDS   | - FLUID CONTAMINATION                        |  |  |  |
|                     |                    |  |  |  |  |  |
| 10.2 USE            |                    |  |  |  |  |  |
| INTENDED            |                    | The submersible pumps SQUAL  | O35 have been designed and fabricated for    |  |  |  |
| USE AND             |                    |  | systems. The pump is provided with:          |  |  |  |
| CHARACTER-          |                    | - Regenerative turbine actuated  |  |  |  |  |
| ISTICS              |                    | - Pressure regulator   | by a proper electrical motor                 |  |  |  |
| 101100              |                    |  | scharge pipe from being delivery             |  |  |  |
|                     |                    | - A check valve to prevent the discharge pipe from being delivery  |  |  |  |  |
|                     |                    | - Electronic board with timer functionality (optional)   |  |  |  |  |
|                     |                    | - Plastic pump body<br>- Stainless steel tube to hold the stator   |  |  |  |  |
|                     |                    | - An aluminum bottom for motor   |  |  |  |  |
|                     |                    |  |  |  |  |  |
|                     |                    |  | ncoming electric cable and to avoid tearing  |  |  |  |
|                     |                    | it in case of accidental draft   | uid delivery and fitting with retaining fork |  |  |  |
|                     |                    |  |  |  |  |  |
|                     |                    | A range of accessories are provided optionally (resistive level sensors)   |  |  |  |  |
| ATTENTION           | $\mathbf{\Lambda}$ | ANY USE OUTSIDE THE ABOVE DESCRIPTION IS NOT PERMITTED BY<br>THE MANUFACTURER  |  |  |  |  |
|                     | (!)                | THE MANUFACTURER   |  |  |  |  |
| USE RESTRIC-        |                    | It is forbidden:   |  |  |  |  |
| TIONS, UNIN-        |                    | 1 - To use the pump for operation  | ns other than its intended use               |  |  |  |
| TENDED BUT          |                    | 2 - To run the pump dry  |  |  |  |  |
| REASONABLY          |                    |  | ration different from the one defined by the |  |  |  |
| PREDICTABLE         |                    | manufacturer   |  |  |  |  |
| USE                 |                    | 4 - To use the pump with perform   | nances different from the one defined in the |  |  |  |
|                     |                    | paragraph "TECHNICAL DATA"   |  |  |  |  |
|                     |                    | 5 - To use the pump in hazardous area/classified zones (the machine does not comply with the Directive 2014/34/UE ATEX)        |  |  |  |  |
|                     |                    |  | nt not planned by the manufacturer in the    |  |  |  |
|                     |                    | executive project  | ne not plainea by the manoractorer in the    |  |  |  |
|                     |                    |  | or of anarov other than these prescribed by  |  |  |  |
|                     |                    | 7 - Connect the pump to sources of energy other than those presc<br>the manufacturer and reported in the instructions for use; |  |  |  |  |
|                     |                    |  | ig read and fully understood the user manual |  |  |  |
|                     |                    | O To run the nume to deliver at  | har fluida than ALIS32 (DEF AdPlu-®)         |  |  |  |
|                     |                    | 7 - 10 run the pump to deliver ot 10 To partially as totally target  | her fluids than AUS32 (DEF, AdBlue®)         |  |  |  |
| ATTENTION           | -                  | 10 - To partially or totally tampe   |  |  |  |  |
| ATTENTION           |                    |  | the intended use of the pump is considered   |  |  |  |
|                     | /!\                |  | ore the manufacturer declines any respon-    |  |  |  |
|                     | Ŀ                  | · · · · · · · · · · · · · · · · · · ·  | images to property and injury to person or   |  |  |  |
|                     |                    | animals  |  |  |  |  |

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The tank in which the pump is being installed must be vented in accordance with manufacturer's installation instructions. Follow the tank manufacturer's tank installation instructions.

- Make sure that the tank is free from sand, dirt, and other debris.



- Cable extension junctions should only be made with a safe and waterproof system.

As a general rule of electrical safety it is always recommended to power the device by protecting the line with:

- Magnetothermic switch / disconnector with current flow rate suitable for the electric line;

- 30 mA differential residual current device.

The electrical connection must have a circuit breaker (gfci).

- The pump cannot be run dry

During installation and periodically, provide for verification of the grounding circuit in compliance with current regulations.

In order to prevent deformations and breakages, make sure that the pipes do not exert excessive forces on the delivery port of the pump.

### 11.1 POSITIONING, CONFIGURATIONS AND ACCESSORIES

ATTENTION

It is the responsibility of the installer to provide the necessary line accessories to ensure the correct and safe operation of the pump. The accessories that are not suitable to be used with the previously indicated material could damage the pump and/or cause injury to persons, as well as causing pollution.

ATTENTION

**EFFECTS ON** 

FLOW RATE



To maximise performance and prevent damage that could affect pump operation, always demand original accessories.

### 11.2 NOTES ON DELIVERY LINES

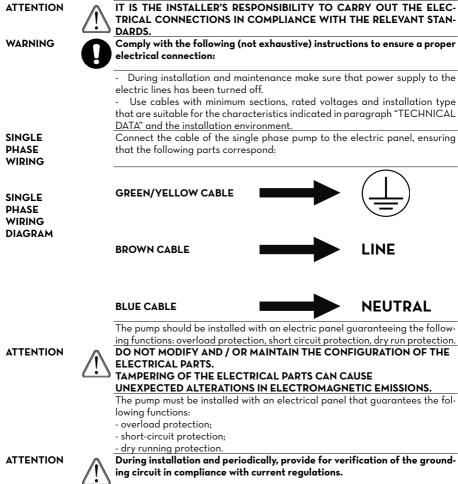
Length and diameter of pipe, flow rate of dispensed liquid, accessories fitted, can create back pressures above those allowed. In this case, the pump mechanical control (pressure regulator) will trip to re-

HOW TO REDUCE EFFECTS ON FLOW RATE duce the flow rate. To avoid these problems, system flow resistances must be reduced using shorter and/or larger diameter pipes, as well as line accessories with low resistances (e.g., automatic nozzle for higher flow rates).

A product filter must be installed between the tank / piping and the dispensing point. The filter should be sized to insure that AUS32 (DEF, AdBlue®) supplied to the dispenser nozzle meets the requirements of ISO 22241 and does not pass particulates that may clog the injector nozzles in the vehicle.

CHARACTER-ISTICS OF DELIVERY PIPES The delivery pipe must have the following technical characteristics: - recommended minimum nominal diameter: 3/4" (DN2O) Only use hose with a cylindrical male thread. Do not use conical threads to avoid damage to the connections. Piusi

### 12 CONNECTIONS 12.1 ELECTRICAL CONNECTIONS





| 13 INITIAL                                  | START-UP   |
|---|--|
| FOREWORD                                    | <ul> <li>Make sure that the residual capacity of the delivery tank is greater than the quantity you wish to transfer;</li> <li>Make sure that the level of liquid in the tank where the SQUALO35 pump is located is sufficient to guarantee the suction;</li> <li>Make sure that the piping and line accessories are in good condition.</li> </ul>                     |
|   | Do not run the pump dry. This can cause serious damage to its components.  |
| 2!  | Fluid leaks can damage objects and injure persons.   |
|   | Do not start the pump unless it has been completely submerged in fluid.  |
|   | <ul> <li>Never start or stop the pump by connecting or cutting out the power supply.</li> <li>Prolonged contact with some fluids can damage the skin. The use of goggles and gloves is recommended.</li> </ul>   |
| WARNING                                     | If an automatic type dispensing nozzle is installed on the end of the deliv-<br>ery line, the evacuation of the air will be difficult because of the automatic<br>stopping device that keeps the valve closed. It is recommended that the<br>automatic nozzle be temporarily removed during initial start-up.  |
| PRELIMINARY<br>CHECK                        | Before start up, the suction part of the pump must be primed. Prime by means<br>of submerging the entire pump in AUS32 (DEF, AdBlue <sup>®</sup> ), this ensures that<br>the sealing surfaces are properly lubricated and that the pump can immedi-<br>ately dispense the liquid.  |
| START-UP                                    | <ul> <li>Turn the power supply switch upstream from the pump to position I (ON) and wait until the liquid comes out of the delivery pipe.</li> <li>If malfunctions are found, disconnect the pump from the power supply, turning the power supply switch to position O (OFF) and consult the section on "TROUBLESHOOTING".</li> </ul>                                  |
| AT THE END<br>OF THE<br>INITIAL<br>START-UP | When start-up has occurred, verify that the pump is operating within the an-<br>ticipated range, in particular:<br>- that under conditions of maximum back pressure, the power absorption of<br>the motor stays within the values shown on the identification plate;<br>- that the delivery back pressure does not exceed the maximum back pres-<br>sure for the pump. |

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## 14 EVERY DAY USE

| FOREWORD   | MAKE SURE THAT THE TANK LEVEL NEVER GOES DOWN UNDER THE                     |
|------------|---|
|            | SUCTION OF THE PUMP.  |
| SAFETY     | During use it is mandatory to use personal protective equipment (PPE)       |
| WARNINGS   | However, keep the following minimum recommendations for proper pump         |
|            | operation into account  |
| AUTHORIZED | Use of the SQUALO35 pump is reserved exclusively for specialized personnel. |
| FOR USE    | Any tampering can lead to the decay of performance and danger for people    |
| PERSONNEL  | and / or things, in addition to the forfeiture of the warranty.             |
| ATTENTION  | To avoid damaging the pump, after use, make sure the pump is off.           |
|            | In case of a power break, switch the pump off straight away.                |
|            | Should any sealants be used on the delivery circuit of the pump, make sure  |
|            | that these products are not released inside the pump.                       |
|            | Foreign bodies in the delivery circuit of the pump could cause malfunction- |
|            | ing and breakage of the pump components.                                    |
| TIMER      | The pump is equipped with a timer which switches it off automatically af-   |
|            | ter approximately 11 minutes of operation.                                  |
|            | In case of pump automatic shut off through the timer, switch off and switch |
| ATTENZIONE | on the pump through the main switch   |
|            |   |
|            |   |

## 15 MAINTENANCE

| Safety       | The SQUALO35 pump has been designed and built to require minimal main-   |
|--------------|--|
| instructions | tenance.   |
|              | Before carrying out any type of maintenance and before being taken out of<br>the containment tank, the pump must be disconnected from all sources of<br>electrical and hydraulic power supply, |
|              | During the maintenance it is mandatory to use personal protective equip-<br>ment (PPE)   |
| Authorised   | All maintenance must be performed by qualified personnel. Tampering can  |
| maintenance  | lead to performance degradation, danger to persons and/or property and   |
| personnel    | may result in the warranty being voided.   |
| DANGER OF    | ∧ When the pump remains inactive for a long time at temperatures of less   |
| FROST        | than +12°F/-11°C, the pump body must be completely emptied, to prevent   |
|              | possible cracking of the hydraulic components.   |
| ATTENTION    | During installation and periodically, provide for verification of the ground-  |
|              | ing circuit in compliance with current regulations.  |

# 16 NOISE LEVEL

Under normal operating conditions, noise emission of all models does not exceed 70 dB at a distance of 1 metre from the electric pump.

# 17 PROBLEMS AND SOLUTIONS

| For any problems conta        | ct the authorised dealer nearest to you                | l.   |
|-------------------------------|--|--|
| PROBLEM                       | POSSIBLE CAUSE   | CORRECTIVE ACTION  |
|                               | Lack of electric power                                 | Check the electrical connections and                             |
| THE MOTOR IS NOT              |  | the safety systems.  |
| TURNING                       | Impeller blocked                                       | Check for possible damage or ob-<br>struction of the Impeller    |
|                               | Motor problems   | Contact the Service Department                                   |
| THE MOTOR TURNS               | Low voltage in the electric power line                 | Bring the voltage back within the an-                            |
| SLOWLY WHEN                   |  | ticipated limits   |
| STARTING                      |  |  |
|                               | Low level in the suction tank                          | Refill the tank  |
|                               | Filter clogged   | Clean the filter   |
|                               | High loss of head in the delivery circuit              | Use shorter piping or of greater diameter                        |
|                               | Low rotation speed                                     | Check the voltage at the pump. Ad-                               |
| LOW OR NO FLOW                |  | just the voltage and/or use cables of greater cross-section      |
| RATE                          | The suction filter or the pipes are<br>blocked.        | Remove the obstructions, as indicated in the chapter on Warnings |
|                               | The impellers are worn or blocked.                     | Change the impellers or remove the ob-<br>struction.             |
|                               | The non-return valve is locked in the closed position. | Check good operation of the valve and replace it if necessary.   |
| LEAKAGE FROM<br>THE PUMP BODY | Seal damaged   | Check and replace the seal                                       |

### 18 DEMOLITION AND DISPOSAL

| Foreword                          | If the system needs to be disposed, the parts which make it up must be delivered to companies that specialize in the recycling and disposal of industrial waste and,                      |  |  |
|-----------------------------------|---|--|--|
|                                   | in particular:  |  |  |
| Disposing of packing<br>materials | The packaging consists of biodegradable cardboard which can be delivered to companies for normal recycling of cellulose.  |  |  |
| Metal Parts                       | Metal parts, whether paint-finished or in stainless steel, can be consigned to scrap  |  |  |
| Disposal                          | metal collectors.   |  |  |
| Disposal of elec-                 | These must be disposed of by companies that specialize in the disposal of elec-   |  |  |
| tric and electronic               | tronic components, in accordance with the indications of directive 2012/19/EU   |  |  |
| components                        | (see text of directive below).  |  |  |
| Information                       | European Directive 2012/19/EU requires that all equipment marked with this sym-   |  |  |
| regarding the                     | bol on the product and/or packaging not be disposed of together with non-differ-  |  |  |
| environment for                   | entiated urban waste. The symbol indicates that this product must not be disposed   |  |  |
| clients residing                  | of together with normal household waste. It is the responsibility of the owner to   |  |  |
| within the Euro-                  | dispose of these products as well as other electric or electronic equipment by  |  |  |
| pean Union                        | means of the specific refuse collection structures indicated by the government or   |  |  |
|                                   | the local governing authorities.  |  |  |
|                                   | Disposing of RAEE equipment as household wastes is strictly forbidden. Such wastes must be disposed of separately.  |  |  |
|                                   | Any hazardous substances in the electrical and electronic appliances and/or the misuse of such appliances can have potentially serious consequences for the environment and human health. |  |  |
|                                   | In case of the unlawful disposal of said wastes, fines will be applicable as defined<br>by the laws in force.   |  |  |
| Miscellaneous<br>parts disposal   | Other components, such as pipes, rubber gaskets, plastic parts and wires, must be disposed of by companies specialising in the disposal of industrial waste.                              |  |  |

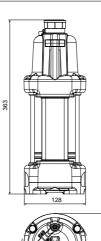


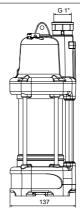
Tradução do italiano

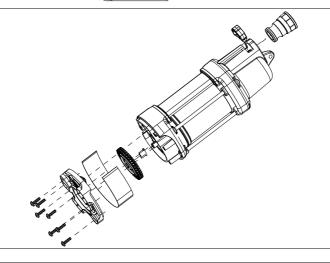


## 19 DIMENSÕES E VISTA EXPLODIDA

- 19 INGOMBRI E VISTA ESPLOSA
- 19 OVERALL DIMENSIONS AND EXPLODED VIEW
- **19 DIMENSIONS ET VUE ÉCLATÉE**
- 19 ABMESSUNGEN UND EXPLOSIONSANSICHT
- 19 TAMAÑO TOTAL Y DESPIECE
- 19 MAATBESLAG EN EXPLOSIETEKENING







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