

1 TABLE OF CONTENTS

MACHINE AND MANUFACTURER IDENTIFICATION
DECLARATION OF CONFORMITY
MACHINE DESCRIPTION
HANDLING AND TRANSPORT
GENERAL WARNINGS
SAFETY INSTRUCTIONS
FIRST AID RULES
GENERAL SAFETY RULES
TECHNICAL DATA
OPERATING CONDITIONS
ENVIRONMENTAL CONDITIONS
ELECTRICAL POWER SUPPLY
DUTY CYCLE
PERMITTED AND NON-PERMITTED FLUIDS
INSTALLATION
POSITIONING, CONFIGURATIONS AND ACCESSORIES
INITIAL START-UP AND DELIVERY LINES CONNECTIONS
ELECTRICAL CONNECTIONS
PIPING CONNECTIONS
INITIAL START-UP
EVERY DAY USE
MAINTENANCE
NOISE LEVEL
PROBLEMS AND SOLUTIONS
DEMOLITION AND DISPOSAL
EXPLODED VIEWS
OVERALL DIMENSIONS

2 MACHINE AND MANUFACTURER IDENTIFICATION

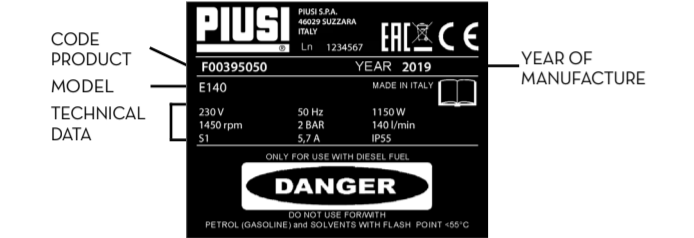


Table with 2 columns: AVAILABLE MODELS, MANUFACTURER. Includes model E140 and manufacturer PIUSI S.p.A. details.

3 DECLARATION OF CONFORMITY

The undersigned: PIUSI S.p.A. Via Pacinotti s.n.c. - z.l. Rangovino 46029 Suzzara - (MN) - Italy. Hereby states under its own responsibility, that the equipment described below...

4 MACHINE DESCRIPTION

PUMP Self-Priming, volumetric, rotating electric vane pump, equipped with by-pass valve. MOTOR Asynchronous motor, single-phase and three-phase, 2 pole, closed type...

4.1 HANDLING AND TRANSPORT

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...

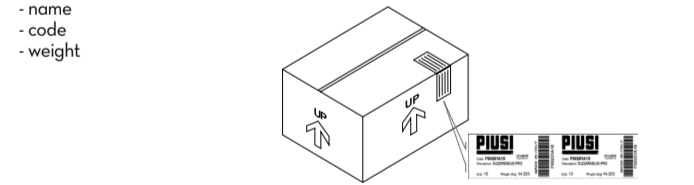


Table with 3 columns: MODEL, WEIGHT (Kg), PACKAGING DIMENSION(mm). Lists model E140, weight 19.2, and dimensions 350 x 250 x 300.

5 GENERAL WARNINGS

Warnings To ensure operator safety and to protect the dispensing system from potential damage, workers must be fully acquainted with this instruction manual before attempting to operate the dispensing system. Symbols used in the manual...

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. All reproduction rights are reserved by PIUSI S.p.A. The text cannot be reprinted without the written permission of PIUSI S.p.A. THIS MANUAL IS THE PROPERTY OF PIUSI S.p.A. ANY REPRODUCTION, EVEN PARTIAL, IS FORBIDDEN.

6 SAFETY INSTRUCTIONS

Mains - preliminary checks before installation: You must avoid any contact between the electrical power supply and the fluid that needs to be FILTERED. Maintenance control: Before any checks or maintenance work are carried out, disconnect the power source. FIRE AND EXPLOSION: To help prevent fire and explosion: Use equipment only in well ventilated area. ELECTRIC SHOCK: This equipment must be grounded. Electrocutation or death: Connect only to a grounded electrical outlets.

Before each use check that the power connection cord and power plug are not damaged. The electrical connection between the plug and socket must be kept well away from water. Unsuitable extension leads can be hazardous, in accordance with current regulations...

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.

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.

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.

7 FIRST AID RULES

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.

8 GENERAL SAFETY RULES

- Essential protective equipment characteristics: Personal protective equipment that must be worn: safety shoes, close-fitting clothing, protective gloves, safety goggles, instruction manual. Other equipment: Protective gloves: Prolonged contact with the treated product may cause skin irritation; always wear protective gloves during dispensing.

9 TECHNICAL DATA

Table with 10 columns: Model, Voltage, Frequency, Absorption, Power, RPM, Nominal Flow Rate, Operating pressure, Type of Service, Motor Protection. Lists model E140 and various technical specifications.

Operating conditions of the declared data: Diesel Fuel 20°C. Temperature: Suction Conditions: The tube and the pump position relative to the fluid level is such that a pressure of 0.3 bar is generated at the nominal flow rate.

Under different suction conditions higher pressure values can be created that reduce the flow rate compared to the same back pressure values. To obtain the best performance, it is very important to reduce loss of suction pressure as much as possible by following these instructions:

10 OPERATING CONDITIONS

10.1 ENVIRONMENTAL CONDITIONS: TEMPERATURE min. -4 °F / max +140 °F min. -20 °C / max +60 °C max. 90%. RELATIVE HUMIDITY: The temperature limits shown apply to the pump components and must be respected to avoid possible damage or malfunction.

10.2 ELECTRICAL POWER SUPPLY: Depending on the model, the pump must be supplied by a single-phase alternating current line whose nominal values are shown in the table in Paragraph TECHNICAL DATA. The maximum acceptable variations from the electrical parameters are: Voltage: +/- 5% of the nominal value. Frequency: +/- 2% of the nominal value.

10.3 DUTY CYCLE: The electrical pump E140 is designed for continuous use under conditions of maximum back pressure. 10.4 PERMITTED AND NON-PERMITTED FLUIDS: DIESEL FUEL at a viscosity of from 2 to 2.35 cSt (at a temperature of 37.8°C). Minimum Flash Point (P.M): 55°C, according to UNI EN 590.

11 INSTALLATION

The pump must never be operated before the delivery and suction lines have been connected. Verify that all components are present. Request any missing parts from the manufacturer. Check that the pump has not suffered any damage during transport or storage.

11.1 POSITIONING, CONFIGURATIONS AND ACCESSORIES

In the case of installation in the open air, proceed to protect the pump by providing a protection roof. The pump can be installed in any position (pump axis vertical or horizontal). THE MOTORS ARE NOT OF THE ANTI-EXPLOSIVE TYPE. Do not install them where inflammable vapours could be present. The pumps are furnished without line accessories. Following is a list of the most common line accessories whose use is compatible with the proper functioning of the pumps.

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.

11.2 NOTES ON SUCTION AND DELIVERY LINES

DELIVERY Foreword The choice of pump model must be made keeping the characteristics of the system in mind. EFFECTS ON FLOW RATE Length and diameter of pipe, flow rate of dispensed liquid, accessories fitted, can create back pressures above those allowed.

The pumps are self-priming and characterized by good suction capacity. During the start-up phase, with an empty suction tube and the pump wetted with fluid, the electric pump unit is capable of suctioning the liquid with a maximum difference in height of 2 meters.

It is important to point out that the priming time can be as long as one minute and the presence of an automatic dispensing nozzle on the delivery line prevents the evacuation of air from the installation and, therefore, prevents proper priming.

The installation of a foot valve is recommended to prevent the emptying of the suction tube and keep the pump wet. In this way, the pump will subsequently always start up immediately.

When the system is functioning, the pump can work with pressure at the inlet as high as 0.5 bar, beyond which cavitation phenomena can begin, with a consequent loss of flow rate and increase of system noise and pump damage.

The difference in height between the pump and the fluid level must be kept as small as possible and, at any rate, within the 2 meters anticipated for the priming phase. If this height is exceeded, it will always be necessary to install a foot valve to allow for the filling of the suction tube and provide tubing of wider diameter.

In the case that the suction tank is higher than the pump, it is advisable to install an anti-siphon valve to prevent accidental diesel fuel leaks. Dimension the installation in order to control the back pressures due to water hammering.

12 CONNECTIONS

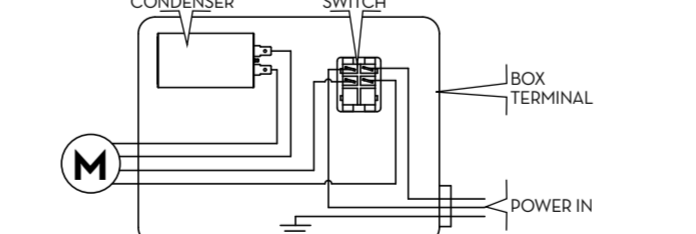
12.1 ELECTRICAL CONNECTIONS: IT IS THE INSTALLER'S RESPONSIBILITY TO CARRY OUT THE ELECTRICAL CONNECTIONS IN COMPLIANCE WITH THE RELEVANT STANDARDS. Comply with the following (not exhaustive) instructions to ensure a proper electrical connection: During installation and maintenance make sure that power supply to the electric lines has been turned off.

Verify that the terminal strip blades are positioned according to the diagram provided for the available power supply voltage. Verify the correct direction of rotation of the motor (see the paragraph overall dimensions), and, if not correct, invert the connection of the two cables in the power supply plug or on the terminal strip.

The characteristics of the capacitor are shown on the identification plate for each pump model. It switches the sole function of starting/ stopping the pump and cannot in any way substitute for the main circuit breaker provided for in the applicable regulations.

Verify that the terminal strip blades are positioned according to the diagram provided for the available power supply voltage. Single-phase motors are supplied with a pre-existing 2-meter cable with electric plug. To change the cable, open the terminal strip cover and connect the line according to the following diagram.

Single-phase motors are supplied with a bipolar switch and capacitor wired and installed inside the terminal strip box (see diagram).



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.

12.2 PIPING CONNECTIONS

FOREWORD Before carrying out any connection, refer to the visual indications of the system in mind. ATTENTION Wrong connection can cause serious pump damage. PRELIMINARY INSPECTION Check that the machine has not suffered any damage during transport or storage.

Before connecting the delivery tube, partially fill the pump body with diesel fuel to facilitate priming. Do not use conical threaded joints that could damage the threaded pump openings if excessively tightened.

Minimum recommended nominal diameter: 1" 1/2. Nominal recommended pressure: 10 BAR. Use tubing suitable for functioning under suction pressure.

It is the installer's responsibility to use tubing with adequate characteristics. The use of tubing unsuitable for use with Diesel fuel can damage the pump, injure persons and cause pollution.

To connect the Piusi stem connection flanges, use M8 screws with a torque of 25 Nm.

13 INITIAL START-UP

Check that the quantity of fluid in the suction tank is greater than the amount you wish to transfer. Make sure that the residual capacity of the delivery tank is greater than the quantity you wish to transfer. Make sure that the piping and line accessories are in good condition. Always install a suction filter to protect the pump. Do not run the pump dry for more than 20 minutes.

Extreme operating conditions can raise the motor temperature and, consequently, cause the thermal protection switch to stop it. Turn off the pump and wait for it to cool before reusing use. The thermal protection automatically turns off when the motor is sufficiently cool.

During the priming phase, the pump must discharge all the air that is initially present from the delivery line. Therefore it is necessary to keep the outlet open to permit the evacuation of the air.

Depending on the system characteristics, the priming phase can last from several seconds to a few minutes. If this phase is prolonged, stop the pump and verify: that the pump is not running completely dry (fill with fluid from the delivery line); that the suction pipe guarantees against air infiltration; that the suction filter is not clogged; that the suction height is not higher than 2 mt.

When priming has occurred, verify that the pump is operating within the anticipated range, in particular: that under conditions of maximum back pressure, the power absorption of the motor stays within the values shown on the identification plate; that the suction pressure is not greater than 0.5 bar; that the delivery back pressure does not exceed the maximum back pressure for the pump.

14 EVERY DAY USE

- 1 USE PROCEDURE: 1 Use flexible tubing, attach the ends of the tubing to the tanks. In the absence of an appropriate slot, solidly grasp the delivery tube before beginning dispensing. 2 Before starting the pump make sure that the delivery valve is closed (dispensing nozzle or line valve). 3 Turn the ON/OFF switch to ON. The by-pass valve allows functioning with the delivery closed for only brief periods. 4 Open the delivery valve, solidly grasping the end of the tubing. 5 Close the delivery valve to stop dispensing. 6 When dispensing is finished, turn off the pump. The pump is off.

In case of a power break, switch the pump off straight away. Functioning with the delivery closed is only allowed for brief periods (2-3 minutes maximum). After use, make sure the pump is turned off.

A lack of electric power, with the consequent accidental stopping of the pump, can be caused by: A safety device tripping. A drop in line voltage. In either case, act as follows:

- 1 Close the delivery valve. 2 Attach the end of the delivery to the slot provided on the tank. 3 Turn the ON/OFF switch to the OFF position. Resume operations as described in Paragraph DAILY USE, after determining the cause of the stoppage.

15 MAINTENANCE

E140 pump is designed and constructed to require a minimum of maintenance. Before carrying out any maintenance work, disconnect the dispensing system from any electrical and hydraulic power source.

All maintenance must be performed by qualified personnel. Tampering can lead to performance degradation, danger to persons and/or property and may result in the warranty being voided. Check that the pipe connections are not loose to prevent any leaks: Check and keep the filter installed on the suction line clean.

In normal operating conditions, noise emissions of all models do not exceed 74 dB at a distance of 1 metre from the electric pump.

17 PROBLEMS AND SOLUTIONS

Table with 3 columns: PROBLEM, POSSIBLE CAUSE, CORRECTIVE ACTION. Lists issues like 'THE MOTOR IS NOT TURNING', 'THE MOTOR TURNS SLOWLY WHEN STARTING', 'LOW OR NO FLOW RATE', 'INCREASED PUMP NOISE', 'LEAKAGE FROM THE PUMP BODY', 'THE PUMP DOES NOT PRIME THE LIQUID'.



MADE IN ITALY Installazione uso e manutenzione IT

Installation, use and maintenance EN

BULLETIN M0538 I7EN_00

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 materials: Metal Parts Disposal: These must be disposed of by companies that specialize in the disposal of electronic components, in accordance with the indications of directive 2012/19/EU (see text of directive below).

Information regarding the environment for clients residing within the European Union: European Directive 2012/19/EU requires that all equipment marked with this symbol on the product and/or packaging not be disposed of together with non-differentiated urban waste.

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.

Miscellaneous 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.

EN: This document has been drawn up with the greatest attention to precision and accuracy of all data therein contained. Nevertheless, PIUSI S.p.A. denies liability for any possible mistake or omission. IT: Il presente documento è stato redatto con la massima attenzione circa la precisione dei dati in esso contenuti. Tuttavia, PIUSI S.p.A. non si assume responsabilità per eventuali errori ed omissioni.

1 INDICE
2 IDENTIFICAZIONE MACCHINA E COSTRUTTORE
3 DICHIARAZIONE DI CONFORMITA'
4 DESCRIZIONE DELLA MACCHINA
4.1 MOVIMENTAZIONE E TRASPORTO
5 AVVERTENZE GENERALI
6 ISTRUZIONI DI SICUREZZA
7 NORME DI PRONTO SOCCORSO
8 NORME GENERALI DI SICUREZZA
9 DATI TECNICI
10 MOVIMENTAZIONE E TRASPORTO
11 AVVERTENZE IMPORTANTI
12 SIMBOLIA UTILIZZATA NEL MANUALE
13 CONSERVAZIONE DEL MANUALE
14 DIRITTI DI RIPRODUZIONE

2 IDENTIFICAZIONE MACCHINA E COSTRUTTORE



Table with 2 columns: CODICE PRODOTTO, MODELLO, DATI TECNICI. Values include Piusi E140, 230V, 50Hz, 1150W, 140mm, 1400rpm.

3 DICHIARAZIONE DI CONFORMITA'

La sottoscritta Piusi S.p.A. Via Pacinotti 16/A, Z.I. Rangovino 46029 Suzzara (MN) Italia DICHIARA sotto la propria responsabilita', che l'apparecchiatura descritta in ap- presso: Descrizione: Pompa destinata al travaso di gasolio

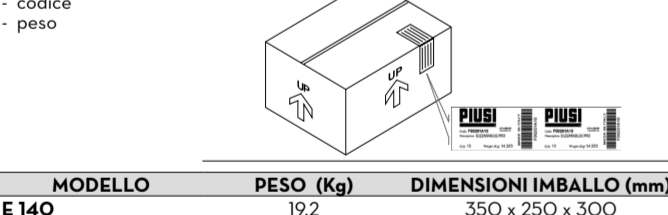
Suzzara, 01/02/2019 Otto Varini Legale rappresentante

4 DESCRIZIONE DELLA MACCHINA

POMPA MOTORE Ellettropompa rotativa auto-adescente di tipo volumetrico a palette, equipaggiata con valvola di by-pass.

4.1 MOVIMENTAZIONE E TRASPORTO

PREMESSA Data il limitato peso e dimensione delle pompe, la movimentazione non richiede l'ausilio di mezzi di sollevamento. Prima della spedizione le pompe vengono accuratamente imballate. Controllare l'imballo al ricevimento ed immagazzinare in luogo asciutto.



5 AVVERTENZE GENERALI

Avvertenze importanti Per salvaguardare l'incolumita' degli operatori, per evitare possibili danneggiamenti e prima di compiere qualsiasi operazione, e' indispensabile aver preso conoscenza di tutto il manuale istruzioni. Simbologia utilizzata nel manuale Questo simbolo indica norme antinfortunistiche per gli operatori e/o eventuali persone esposte. AVVERTENZA Questo simbolo indica che esiste la possibilita' di arrecare danno alle apparecchiature e/o ai loro componenti. Nota Questo simbolo segnala informazioni utili. Conservazione del manuale Il presente manuale deve essere integro e leggibile in ogni sua parte, l'utente finale ed i tecnici specializzati autorizzati all'installazione e alla manutenzione, devono avere la possibilita' di consultarlo in ogni momento. Diritti di riproduzione Tutti i diritti di riproduzione di questo manuale sono riservati alla Piusi S.p.A.

6 ISTRUZIONI DI SICUREZZA

Attenzione Evitare assolutamente il contatto tra l'alimentazione elettrica e il liquido da pompare. Prima di qualsiasi intervento di controllo o manutenzione, togliere l'alimentazione. Evitare rischi di incendio e esplosione: Utilizzare la stazione solo in zone ventilate. Mantenerne l'area di lavoro libera da rottami, compresi scarti di lavorazione e serbatoi di solventi o benzina.

7 NORME DI PRONTO SOCCORSO

Persona colpita da scartiche elettriche Staccare l'alimentazione, e usare un isolante asciutto per provocare irritazione alla pelle, durante l'erogazione, utilizzare sempre i guanti di protezione.

8 NORME GENERALI DI SICUREZZA

Caratteristiche essenziali delle apparecchiature di protezione Indossare un equipaggiamento di protezione che sia idoneo alle operazioni da effettuare: - resistente ai prodotti impiegati per la pulizia. Scarpe antinfortunistiche; Indumenti attillati al corpo; Guanti di protezione; Occhiali di sicurezza; Manuale di istruzioni

9 DATI TECNICI

Table with 10 columns: Modello, Velocita' (V/min), Frequenza (Hz), Assorbimento (A), Potenza (kW), Giri (RPM), Portata Nominale (l/min), Pressione di esercizio (bar), Tipo di Servizio, Protezione Motore. Values include E140, 230, 50, 5.7, 1150, 1450, 140, 2, SI, IP55.

10 CONDIZIONI OPERATIVE

10.1 CONDIZIONI AMBIENTALI TEMPERATURA min. -4 °F / max. +140 °F min. -20 °C / max. +60 °C max. 90% UMIDITA' RELATIVA ATTENZIONE Le temperature limite indicate si applicano ai componenti della pompa e devono essere rispettate per evitare possibili danneggiamenti o malfunzionamenti

10.2 ALIMENTAZIONE ELETTRICA

NOTA La pompa deve essere alimentata da linea monofase e trifase in corrente alternata i cui valori nominali sono indicati nella tabella del paragrafo "DATI TECNICI". Le temperature limite indicate si applicano ai componenti della pompa e devono essere rispettate per evitare possibili danneggiamenti o malfunzionamenti

10.3 CICLO DI LAVORO

NOTA La elettropompa E140 e' progettata per uso continuo in condizioni di massima contro-pressione. Il funzionamento in condizioni di by-pass e' ammesso solo per periodi brevi (3 minuti massimo).

10.4 FLUIDI AMMESSI E NON AMMESSI

Table with 2 columns: FLUIDI AMMESSI E PERICOLI RELATIVI, FLUIDI NON AMMESSI E PERICOLI RELATIVI. Lists acceptable fluids like Gasolio and unacceptable ones like Benzina, Acqua, etc.

11 INSTALLAZIONE

ATTENZIONE E' assolutamente vietata la messa in funzione della pompa prima di aver provveduto alle connessioni della linea di mandata e di aspirazione. Verificare la presenza di tutti i componenti. Controllare che la pompa non abbia subito danni durante il trasporto o l'immagazzinamento. Pulire con cura le bocche di aspirazione e mandata, rimuovendo eventuale polvere o eventuale materiale di imballo residuo.

11 INSTALLAZIONE

ATTENZIONE E' assolutamente vietata la messa in funzione della pompa prima di aver provveduto alle connessioni della linea di mandata e di aspirazione. Verificare la presenza di tutti i componenti. Controllare che la pompa non abbia subito danni durante il trasporto o l'immagazzinamento.

11.1 POSIZIONAMENTO, CONFIGURAZIONI ED ACCESSORI

NOTA Nel caso di installazione all'aperto occorre procedere alla protezione della pompa mediante la realizzazione di una tettoia di protezione. La pompa puo' essere installata in qualunque posizione (asse pompa verticale o orizzontale). La pompa deve essere fissata in modo stabile utilizzando i fori predisposti sulla base del motore e con utilizzo di antivibranti.

12 COLLEGAMENTI E ALLACCIAMENTI

12.1 COLLEGAMENTI ELETTRICI E' responsabilita' dell'installatore provvedere agli accessori di linea necessari per un sicuro e corretto funzionamento della pompa. La scelta di accessori inadatti all'uso, con quanto indicato in precedenza, puo' causare danni alla pompa e/o alle persone o altri danni.

12.2 COLLEGAMENTO DELLE TUBAZIONI

PREMESSA L'errato collegamento puo' causare danni alla pompa. Controllare che i dati elettrici corrispondano con quelli indicati in targhetta. Prima del collegamento accertarsi che le tubazioni e il serbatoio di aspirazione siano privi di scorie o residui solidi che potrebbero danneggiare la pompa e gli accessori.

13 PRIMO AVVIAMENTO

PREMESSA Controllare che la quantita' di liquido presente nel serbatoio di aspirazione sia maggiore di quello che si desidera trasferire. Assicurarsi che la capacita' residua del serbatoio di mandata sia maggiore di quella che si desidera trasferire.

14 USO GIORNALIERO

1 Se si utilizzano tubazioni flessibili, fissare le estremita' di queste ai serbatoi. In caso di assenza di opportuni alloggiamenti, impugnare saldamente l'estremita' della tubazione di mandata prima di iniziare l'erogazione.

15 MANUTENZIONE

Avvertenze di sicurezza La pompa E140 e' stata progettata e costruita per richiedere una minima manutenzione. Controllare ogni tipo di manutenzione, il sistema di distribuzione deve essere scollegato da ogni fonte di alimentazione elettrica e idraulica.

16 LIVELLO DEL RUMORE

In normali condizioni di funzionamento, l'emissione di rumore di tutti i modelli non supera il valore di 74 dB alla distanza di 1 metro dall'elettropompa.

17 PROBLEMI E SOLUZIONI

Table with 2 columns: PROBLEMA, AZIONE CORRETTIVA. Lists issues like 'IL MOTORE NON GIRA' and solutions like 'Mancanza di alimentazione', 'Rotore bloccato', etc.

17 PROBLEMI E SOLUZIONI

Table with 2 columns: PROBLEMA, AZIONE CORRETTIVA. Lists issues like 'IL MOTORE NON GIRA', 'IL MOTORE GIRA LENTAMENTE IN FASE DI AVVIAMENTO', 'PORTATA BASSA O NULLA', etc.

18 DEMOLIZIONE E SMALTIMENTO

PREMESSA In caso di demolizione del sistema, le parti di cui e' composto devono essere affidate a ditte specializzate nello smaltimento e riciclaggio dei rifiuti industriali e, in particolare: L'imballaggio e' costituito da cartone biodegradabile che puo' essere consegnato alle aziende per il normale recupero della cellulosa.

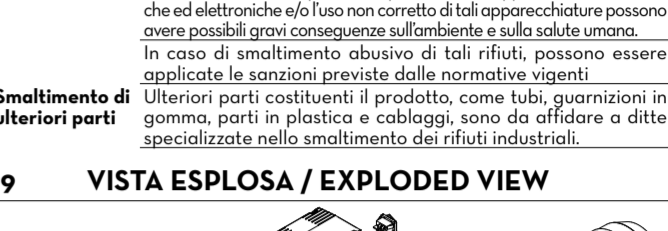
18 DEMOLIZIONE E SMALTIMENTO

PREMESSA In caso di demolizione del sistema, le parti di cui e' composto devono essere affidate a ditte specializzate nello smaltimento e riciclaggio dei rifiuti industriali e, in particolare: L'imballaggio e' costituito da cartone biodegradabile che puo' essere consegnato alle aziende per il normale recupero della cellulosa.

19 VISTA ESPLOSA / EXPLODED VIEW



20 INGOMBRI / OVERALL DIMENSIONS



SENSO DI ROTAZIONE: ORARIO

DIRECTION OF ROTATION: CLOCKWISE

