

**PEDROLLO**  
*the spring of life*

**TOP1, TOP2, TOP3, TOP4, TOP4-N, TOP5, TOP5-N, TOP-LA, TOP-GM, TOP FLOOR, RX, RX-GM, ZD, D, DC, TOP MULTI 1/2/3/4/5, TOP MULTI-EVO, TOP MULTI-TECH, TOP MULTI-EVOTECH, TR**

IT	ISTRUZIONI ORIGINALI PER L'USO - ITALIANO
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Questa elettropompe sono particolarmente adatte per pompare acque chiare o leggermente sporche.

TR TRITUS are recommended for pumping sewage water.

Il loro utilizzo è subordinato alle direttive delle legislazioni locali.

Prima dell'installazione e dell'utilizzo leggere attentamente le istruzioni di seguito descritte. La Ditta costruttrice declina ogni responsabilità in caso di incidente o danno dovuti a negligenza o alla mancata osservanza delle istruzioni descritte in questo opuscolo o in condizioni diverse da quelle indicate in targa. Declina altresì ogni responsabilità per danni causati da un uso improprio dell'elettropompa.

In caso di immagazzinaggio non sovrapporre peso o altre scatole sopra le stesse.

#### SIQUEZZA

Prima di qualsiasi intervento di controllo o manutenzione, togliere tensione all'impianto, staccare la spina dalla presa e rischiaccare bene la pompa con acqua pulita.

Prima dell'installazione assicurarsi che la rete di alimentazione sia dotata di messa a terra e conforme alle norme.

Non sono adatte al pompaggio di liquidi infiammabili o ad operare in ambienti con pericolo di esplosione. Evitare il contatto tra l'alimentazione elettrica e il liquido da pompare.

Non modificare i componenti dell'elettropompa.

**In nessun caso deve essere sostituita o trasportata per il cavo di alimentazione o galleggiante; sostenerla per l'apposita impugnatura.**

Non utilizzare la pompa nelle piscine, nelle vasche da giardino e in luoghi analoghi quando siano immerse delle persone.

**ISPEZIONE PRELIMINARE**  
Estrarre dall'imbalsio e verificarne l'integrità. Verificare inoltre che i dati di targa corrispondano a quelli desiderati. Per qualsiasi anomalia, contattare immediatamente il fornitore, segnalando la natura dei difetti.  
**ATTENZIONE: in caso di dubbio sulla sicurezza della macchina, non utilizzarla.**

#### CONDIZIONI DI UTILIZZO

Il cavo di alimentazione da 10 metri è obbligatorio per l'uso all'esterno (EN 60335-2-41)

- Temperatura max del liquido:
  - +40 °C (para TOP MULTI, ZD, D, DC, TR) [+50 °C (+90 °C MAX 3)] para RX, RX-GM
  - +40 °C (+90 °C MAX 3)] para TOP-LA, TOP-GM, TOP-FLOOR
- Densità max. del liquido pompato: **1.1 kg/dm³**
- pH del liquido: 5-9
- Variazione di tensione ammesse: ± 5% (nel caso della tensione monofase 220~240 V e della tensione trifase 380~415 V) sono da intendersi come i valori limiti ammessi).
- Indice di protezione: IP X8
- Profondità max. di immersione:

[TOP MULTI 1, TOP1-2-3, TOP-GM, TOP-FLOOR, RX1-2-3, RX1-2-3 GM, ZD, **D 1.5** m con cavo da 5 m]
[TOP MULTI 1, TOP1-2-3, TOP-GM, TOP-FLOOR, RX1-2-3 GM, ZD, **D 1.5** m con cavo da 10 m]
[TOP4-5, RX, RX-GM, ZD, D, DC, TR **5** m con cavo da 10 m]
[TOP MULTI, RX, RX-GM, DC, TR **10** m con cavo di lunghezza adeguata]

Livello minimo di svuotamento:

- [2 mm para TOP-FLOOR] [14 mm para TOP1-2-3, TOP1-2-3LA, TOP-GM, RX1-2-3, RX1-2-3 GM]
- [15 mm para D15, D30, D30-N, DC15, DC30, DC30-N]
- [17 mm para D8-N, D10-N, D18-N, D20-N, DC8-N, DC10-N, DC18-N, DC20-N]
- [21 mm para ZD] [23 mm para D8-10-18-20, DC8-10-20] [25 mm para TOP MULTI 1, RX4-5, RX4-5 GM]
- [30 mm para TOP4-5, TOP4-SLA] [35 mm para TOP MULTI, TOP MULTI-TECH] [85 mm para TR 0.75-1.1]
- [95 mm para TR 1.5-2.2] [52 mm para TOP MULTI-EVO, TOP MULTI-EVOTECH]

Diametro massimo dei corpi solidi aspirati:

- [1.3 mm para TOP MULTI 1, TOP MULTI] [2 mm para TOP-FLOOR] [3 mm para D30, DC30]
- [6 mm para D18-20, DC20] [10 mm para TOP-LA, TOP-GM, RX, RX-GM, ZD, D8, D8-N, D10, D10-N, D15, D18-N, D20-N, D30-N, DC8, DC8-N, DC10, DC10-N, DC15, DC18-N, DC20-N, DC30-N]

Diametro massimo dei corpi solidi succhati:

- [1.3 mm para TOP MULTI 1, TOP MULTI] [2 mm para TOP-FLOOR] [3 mm para D30, DC30]
- [6 mm para D18-20, DC20] [10 mm para TOP-LA, TOP-GM, RX, RX-GM, ZD, D8, D8-N, D10, D10-N, D15, D18-N, D20-N, D30-N, DC8, DC8-N, DC10, DC10-N, DC15, DC18-N, DC20-N, DC30-N]

**INSTALLAZIONE**  
L'installazione è un'operazione che può risultare di una certa complessità. Deve pertanto essere effettuata da installatori competenti e autorizzati.

**ATTENZIONE: durante l'installazione applicare tutte le disposizioni di sicurezza emanate dagli organi competenti e dettate dal buon senso.**

Non sottomutare il rischio di inagameggio se l'installazione deve essere effettuata in un pozzo ad una certa profondità.

Assicurarsi che non vi sia pericolo di esalazioni tossiche o gas nocivi nell'atmosfera di lavoro. Nel caso di operazioni di saldatura tenere tutte le precauzioni atte ad evitare esplosioni. Tenere presente il pericolo di infezione e le norme di precauzione igienico-sanitarie. Se il fondo del pozzo o comunque la superficie su cui appoggia la pompa è irregolare e c'è la possibilità che si accumulino sassolini, detriti, fanghiglia, ecc. intervenire creando una base di appoggio regolare e rialzata.

La tabulazione di mandata può essere sia rigida che flessibile purché sia garantita una sezione di passaggio non inferiore a quella della bocca di mandata della pompa.

Per evitare il riflusso del liquido dal collettore di scarico installare una mandata della pompa una valvola di intercettazione. Se il pozzo è un pozzetto, quest'ultimo deve avere dimensioni minime di: [220x220x350 mm] TOP MULTI 1, TOP-GM, TOP FLOOR] [240x240x350 mm] RX1-2-3 GM] [300x300x500 mm] RX4-5 GM] [350x350x350 mm] TOP1-2-3, TOP1-2-3LA, RX1-2-3] [450x450x450 mm] TOP4-5, TOP4-SLA, ZD] [500x500x500 mm] TOP MULTI, RX4-5, D, DC, TR 0.75-1.1] [800x800x800 mm TR 1.5-2.2]

È possibile variare il livello di attacco e stacco della pompa allungando o accorciando la lunghezza libera del galleggiante (ove questo è presente).

Per il corretto raffreddamento del motore è bene che il livello dell'acqua non scenda sotto i [180 mm ZD] [220 mm D, DC] [300 mm TR 0.75-1.1] [350 mm TR 1.5-2.2]

The motor and stopping level of the pump can be varied by increasing or decreasing the free length of the float.

For the float to be cooled correctly the water level should not drop below [180 mm ZD] [220 mm D, DC] [300 mm TR 0.75-1.1] [350 mm TR 1.5-2.2]

**ELECTRICAL CONNECTIONS**

They are delivered ready to be connected.

**CAUTION: it is the installer's responsibility to prepare the connections in compliance with the regulations in force in the country of installation. Make sure that there is no voltage at the line wire terminals before connecting. Check that the data on the rating plate corresponds to the rated line values.**

When carrying out connections make sure that there is an efficient earth circuit. The earth wire must be longer than the live wires, and must be the first wire to be connected when the pump is being set up and the last to be disconnected during disassembly.

In three-phase pumps the motors must be externally protected by a suitable electrical starter incorporating a protective magnetic-thermal device (C tripping characteristic curves IEC 60898-1) whose magnetic tripping current must be chosen with reference to the nameplate of the pump.
**If the pump is not equipped with a supply cable and plug, the power supply network should include a cut-off device having a contact separation in accordance with voltage category III.**

**If a plug is provided with a supply cord and a plug, the pump must be positioned so that the plug is accessible.**
It is advisable to install a residual current device (RCD) with a rated residual operating current not exceeding 30 mA.

In single-phase pumps, the motor is protected against overload by a thermal device installed in the winding.
Three-phase motors must be protected by the user himself.

For three-phase motors the rotation direction may be inverted; in this case performance is much lower than the rated values.

For correct direction of rotation is found by raising the water pump by its handgrip; during starting a clockwise reaction will be felt (contrary to that of the arrow).

To invert the direction of rotation just invert two of the phases.

**CAUTION: never poke fingers or other objects into the hole under the pump casing near the supporting feet to check the direction of rotation. Repair of the pump by personnel not authorized by the manufacturer will render the guarantee null and void and will entail operating with potentially dangerous equipment.**

**CAUTION: any tampering may lead to performance being reduced and danger to persons and/or things.**

Where there is the risk of freezing, empty the well or remove the pump and store it in a suitable place.

**PERIODICAL CONTROLS**  
Before doing anything, make sure that the pump is disconnected from the power source and that there is no possibility of accidental connections.

You are advised to check the following periodically: The condition of the cables and grommets, especially at their attachment points. The impeller must not be excessively worn, otherwise performance will be reduced; consult a Pedrollo dealer for replacement. Check that the suction area is clean.

If the pump is used in hard or very sandy water could shorten the life of the mechanical seal.

**CAUTION: the loss of any lubricant contained within the pump will not result in the contamination of the pumped liquid.**

**CAUTION: the pumps are not intended to be used by persons (children included) whose physical and/or mental capacities, sensory or mental capacities and/or knowledge prevents them from using the appliance safely without supervision or instructions. Keep the pumps away from children. They must be used in compliance with local regulations.**

**DECLARATION OF CONFORMITY**

We hereby declare, under our exclusive responsibility, that the product in question complies with the provisions of the following community directives, including the latest amendments, and with the related assimilated national legislation:

2006/42/EU, 2014/35/EU, 2014/30/EU, 2009/125/EU, 547/2012/EU, 2011/65/EU.

Pedrollo S.p.A.  
Il Presidente  
Silvano Pedrollo

San Bonifacio, 27/11/2020

**PEDROLLO**  
*the spring of life*

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EN	OPERATING INSTRUCTIONS - ENGLISH
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These pumps are recommended for pumping clear or slightly dirty water.

TR TRITUS are recommended for pumping sewage water.

They must be used in compliance with local laws.

Before installation and use read the following instructions carefully. The manufacturer declines all responsibility in the event of accident or damage due to negligence or failure to observe the instructions described in this booklet or in conditions that differ from those indicated on the rating plate. It also declines all responsibility for damage caused by improper use of the water pump.

When storing, do not pile weights or other boxes on top.

#### SAFETY

Before carrying out checks or doing any maintenance, clear the system by disconnecting the voltage, unplug the pump from the socket and then rinse the pump well with clean water.

Before installing the water pump, make sure that the power supply mains is earthed and complies with regulations.

They are not suitable for pumping inflammable liquids or for operating in places where there is danger of explosion.

Avoid contact between the power supply and the liquid to be pumped. Do not modify the components of the water pump.

**The water pump must never be lifted or transported by its supply cable or float switch; it must be held by the appropriate handgrip.**

Do not use the pump in swimming pools, garden ponds and such like when people are in the water.

#### PRELIMINARY INSPECTION

Unpack and check that it is in perfect condition. Also check that the data on the rating plate correspond to the required data. If there is any problem contact the supplier immediately, specifying the type of fault.

**CAUTION: if there is any doubt about the safety of the machine, do not use it.**

#### CONDITIONS OF USE

The power cable must be 10 m long for outdoor applications (EN 60335-2-41)

- Maximum fluid temperature:
  - +40 °C (para TOP MULTI, ZD, D, DC, TR) [+50 °C (+90 °C MAX 3)] para RX, RX-GM
  - +40 °C (+90 °C MAX 3)] para TOP-LA, TOP-GM, TOP-FLOOR
- Maximum density of the liquid pumped: **1.1 kg/dm³**
- pH of the liquid: 5-9
- Voltage variation allowed: ±5% (in the case of single-phase voltage 220~240 V and three-phase voltage 380~415 V, these are to be considered as the permitted limits)
- Protection index: IP X8
- Profundità max. di immersione:

Max. immersion depth:

- [TOP MULTI 1, TOP1-2-3, TOP-GM, TOP-FLOOR, RX1-2-3, RX1-2-3 GM, ZD, **D 1.5** m with 5 m cable]
- [TOP MULTI 1, TOP1-2-3, TOP1-2-3LA, TOP-GM, TOP-FLOOR 3 m with 10 m cable]
- [TOP4-5, RX, RX-GM, ZD, DC, TR **5** m with 10 m cable]
- [TOP MULTI, RX, RX-GM, DC, TR **10** m with power cable of sufficient length]

Minimum emptying level:

- [2 mm para TOP-FLOOR] [14 mm para TOP1-2-3, TOP1-2-3LA, TOP-GM, RX1-2-3, RX1-2-3 GM]
- [15 mm para D15, D30, D30-N, DC15, DC30, DC30-N]
- [17 mm para D8-N, D10-N, D18-N, D20-N, DC8-N, DC10-N, DC18-N, DC20-N]
- [21 mm para ZD] [23 mm para D8-10-18-20, DC8-10-20] [25 mm para TOP MULTI 1, RX4-5, RX4-5 GM]
- [30 mm para TOP4-5, TOP4-SLA] [35 mm para TOP MULTI, TOP MULTI-TECH] [85 mm para TR 0.75-1.1]
- [95 mm para TR 1.5-2.2] [52 mm para TOP MULTI-EVO, TOP MULTI-EVOTECH]

Maximum diameter of solid particles sucked up:

- [1.3 mm para TOP MULTI 1, TOP MULTI] [2 mm para TOP-FLOOR] [3 mm para D30, DC30]
- [6 mm para D18-20, DC20] [10 mm para TOP-LA, TOP-GM, RX, RX-GM, ZD, D8, D8-N, D10, D10-N, D15, D18-N, D20-N, D30-N, DC8, DC8-N, DC10, DC10-N, DC15, DC18-N, DC20-N, DC30-N]

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**INSTALLATION**  
Installation can be a fairly complex operation.

It must therefore be carried out by competent and authorized installers.

**CAUTION: during installation apply all safety regulations issued by the competent authorities and use common sense at all times.**

Do not underestimate the risk of drowning if the installation has to be performed in a well at a certain depth.

Make sure there are no toxic discharges or harmful gases present in the atmosphere. If the installation involves welding, take all necessary precautions to avoid explosions. Always remember the danger of infection and take all hygiene-hygiene precautions. If the bottom of the well or the surface on which the pump rests is uneven and there is the possibility of stones, debris, mud, etc. accumulating there, lay a level raised supporting base.

The delivery piping may be either rigid or flexible as long as the cross-section for passage of the fluid is no smaller than that of the pump delivery outlet. If the backflow of liquid from the discharge manifold, install a check valve after the pump delivery outlet. If the pump is installed in a well, the well must measure at least [220x220x350 mm] TOP MULTI 1, TOP-GM, TOP FLOOR] [240x240x350 mm] RX1-2-3 GM] [300x300x500 mm] TOP4-5 GM] [350x350x350 mm] TOP1-2-3, TOP1-2-3LA, RX1-2-3] [450x450x450 mm] TOP4-5, TOP4-SLA, ZD] [500x500x500 mm] TOP MULTI, RX4-5, D, DC, TR 0.75-1.1] [800x800x800 mm TR 1.5-2.2]

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Where there is the risk of freezing, empty the well or remove the pump and store it in a suitable place.

**PERIODICAL CONTROLS**  
Before doing anything, make sure that the pump is disconnected from the power source and that there is no possibility of accidental connections.

You are advised to check the following periodically: The condition of the cables and grommets, especially at their attachment points. The impeller must not be excessively worn, otherwise performance will be reduced; consult a Pedrollo dealer for replacement. Check that the suction area is clean.

If the pump is used in hard or very sandy water could shorten the life of the mechanical seal.

**CAUTION: the loss of any lubricant contained within the pump will not result in the contamination of the pumped liquid.**

**CAUTION: the pumps are not intended to be used by persons (children included) whose physical and/or mental capacities, sensory or mental capacities and/or knowledge prevents them from using the appliance safely without supervision or instructions. Keep the pumps away from children. They must be used in compliance with local regulations.**

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Il Presidente  
Silvano Pedrollo

San Bonifacio, 27/11/2020

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**TOP1, TOP2, TOP3, TOP4, TOP4-N, TOP5, TOP5-N, TOP-LA, TOP-GM, TOP FLOOR, RX, RX-GM, ZD, D, DC, TOP MULTI 1/2/3/4/5, TOP MULTI-EVO, TOP MULTI-TECH, TOP MULTI-EVOTECH, TR**

FR	INSTRUCTIONS POUR L'UTILISATION - FRANÇAIS
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Ces pompes sont conseillées pour pomper des eaux claires ou légèrement sales.

TR TRITUS est conseillé pour pomper des eaux troubles.

Leur emploi est subordonné aux prescriptions des lois locales en vigueur.

Avant l'installation et l'utilisation lire attentivement les instructions données ci-après. Le Constructeur décline toute responsabilité en cas d'accident ou de dommage causés par la négligence ou la non observation des instructions décrites dans cette notice ou à l'utilisation dans des conditions différentes de celles qui sont indiquées sur la plaque. Il décline également toute responsabilité pour les dommages causés par une utilisation impropre de l'électropompe. En cas de stockage, ne pas poser de poids ou d'autres cartons sur les mémés.

#### SECURITE

Avant n'importe quelle intervention de contrôle ou de maintenance, couper l'alimentation électrique de l'installation et débrancher la prise.

Avant l'installation, contrôler que le circuit électrique soit équipé de mise à la terre et qu'il soit conforme aux normes en vigueur.

Elles ne sont pas adaptées au pompage de liquides inflammables ou pour fonctionner dans des lieux présentant un risque d'explosion. Eviter le contact entre l'alimentation électrique et le liquide à pomper. Ne pas modifier les composants de l'électropompe.

**En aucun cas l'électropompe ne doit être soulevée ou transportée par le câble d'alimentation ou par celui du flotteur: la soulever par la poignée prévue à cet effet.** Ne pas utiliser la pompe dans les piscines, les bassins de jardin et lieux similaires quand des personnes y sont immergées.

#### CONTROLE PRELIMINAIRE

Extraire de l'emballage et en vérifier l'intégrité. Vérifier par ailleurs que les données de la plaque correspondent aux caractéristiques désirées. En cas d'anomalie, contacter immédiatement le fournisseur en signalant la nature des défauts.

**ATTENTION: En cas de doute sur la sécurité de la machine, ne pas l'utiliser.**

#### CONDITIONS D'UTILISATION

Le câble d'alimentation de 10 m est requis pour une utilisation en extérieur (EN 60335-2-41)

- Température max. du liquide:
  - +40 °C (pour TOP MULTI, ZD, D, DC, TR) [+50 °C (+90 °C MAX 3)] para RX, RX-GM
  - +40 °C (+90 °C MAX 3)] para TOP-LA, TOP-GM, TOP-FLOOR
- Densité max. du liquide pompé: **1.1 kg/dm³**
- pH du liquide: 5-9
- Variation de tension admissible: ±5% (en cas de tension monophasée 220~240 V et de tension triphasée 380~415 V, il faut les considérer comme valeurs admises).
- Classe de protection: IP X8
- Profondeur max. dimension:

Max. immersion depth:

- [TOP MULTI 1, TOP1-2-3, TOP-GM, TOP-FLOOR, RX1-2-3, RX1-2-3 GM, ZD, **D 1.5** m avec cordon d'alimentation de 5 m]
- [TOP MULTI 1, TOP1-2-3, TOP1-2-3LA, TOP-GM, TOP-FLOOR 3 m avec cordon d'alimentation de 10 m]
- [TOP4-5, RX, RX-GM, ZD, DC, TR **5** m avec cordon d'alimentation de 10 m]
- [TOP MULTI, RX, RX-GM, DC, TR **10** m avec cordon d'alimentation de longueur appropriée]

Niveau minimum de vidage:

- [2 mm para TOP-FLOOR] [14 mm pour TOP1-2-3, TOP1-2-3LA, TOP-GM, RX1-2-3, RX1-2-3 GM]
- [15 mm pour D15, D30, D30-N, DC15, DC30, DC30-N]
- [17 mm pour D8-N, D10-N, D18-N, D20-N, DC8-N, DC10-N, DC18-N, DC20-N]
- [21 mm pour ZD] [23 mm pour D8-10-18-20, DC8-10-20] [25 mm pour TOP MULTI 1, RX4-5, RX4-5 GM]
- [30 mm para TOP4-5, TOP4-SLA] [35 mm pour TOP MULTI, TOP MULTI-TECH] [85 mm para TR 0.75-1.1]
- [95 mm pour TR 1.5-2.2] [52 mm pour TOP MULTI-EVO, TOP MULTI-EVOTECH]

Diamètre max. des corps solides aspirés:

- [1.3 mm pour TOP MULTI 1, TOP MULTI] [2 mm pour TOP-FLOOR] [3 mm pour D30, DC30]
- [6 mm pour D18-20, DC20] [10 mm pour TOP-LA, TOP-GM, RX, RX-GM, ZD, D8, D8-N, D10, D10-N, D15, D18-N, D20-N, D30-N, DC8, DC8-N, DC10, DC10-N, DC15, DC18-N, DC20-N, DC30-N]

Diamètre max. des corps solides aspirés:

- [1.3 mm pour TOP MULTI 1, TOP MULTI] [2 mm pour TOP-FLOOR] [3 mm pour D30, DC30]
- [6 mm für D18-20, DC20] [10 mm für TOP-LA, TOP-GM, RX, RX-GM, ZD, D8, D8-N, D10, D10-N, D15, D18-N, D20-N, D30-N, DC8, DC8-N, DC10, DC10-N, DC15, DC18-N, DC20-N, DC30-N]

#### INSTALLATION

L'installation est une opération qui peut se révéler relativement complexe.

Elle doit donc être effectu

