

**Pedrollo Easy Press II**

# **PEDROLLO Presscontrol Easy Press II Electronic Pressure Regulator User Manual**

Model: Easy Press II

Brand: Pedrollo

## **1. PRODUCT OVERVIEW**

The PEDROLLO Presscontrol Easy Press II is an advanced electronic device designed to automate the operation of single-phase electric pumps up to 2 HP. It manages the pump's start and stop functions based on water demand, activating the pump when a tap is opened and deactivating it when the tap is closed.

Equipped with microprocessor logic, the Easy Press II offers crucial protection features. It safeguards the pump against dry running, automatically or manually resetting the system after a dry-run event. Furthermore, it prevents excessively frequent pump starts, which can occur due to minor leaks in the water system, thereby extending the pump's lifespan and ensuring stable water pressure.



Figure 1: Front view of the PEDROLLO Presscontrol Easy Press II.

This image shows the compact design of the Easy Press II, featuring a pressure gauge, status indicators (Power, Out of Service, Dry, Running, Frequent Start-up), and the Pedrollo branding. The device is primarily white and blue with orange accents.

## 2. KEY FEATURES

- **Automatic Pump Control:** Starts and stops single-phase electric pumps based on water demand.
- **Dry-Run Protection:** Microprocessor logic prevents pump damage from operating without water, with automatic or manual reset.
- **Leakage Protection:** Protects the pump from frequent starts caused by small system leaks.
- **Integrated Pressure Gauge:** Allows for easy monitoring of system pressure.
- **High Protection Rating:** IP 65 rated for dust and water resistance, suitable for various environments.
- **Robust Design:** Constructed from durable plastic material.

## 3. SPECIFICATIONS

| Attribute | Value |
|-----------|-------|
|-----------|-------|

| Attribute                 | Value                           |
|---------------------------|---------------------------------|
| Manufacturer              | PEDROLLO                        |
| Model                     | Easy Press II                   |
| Max Flow Rate             | 200 Liters per minute (12 m³/h) |
| Operating Pressure        | 10 bar                          |
| Start Pressure            | 1.5 bar                         |
| Liquid Temperature Limit  | Up to +65 °C                    |
| Ambient Temperature Limit | Up to +40 °C                    |
| Burst Pressure            | > 40 bar                        |
| Protection Rating         | IP 65                           |
| Voltage                   | 230 V                           |
| Frequency                 | 50/60 Hz                        |
| Max Current               | 16 A (for Easy Press II)        |
| Item Weight               | 2 Kilograms                     |
| Color                     | Orange                          |
| Material                  | Plastic                         |
| Power Source              | Electric Cable                  |

## 4. SAFETY INFORMATION

Always read and understand all safety warnings and instructions before installing, operating, or maintaining the PEDROLLO Presscontrol Easy Press II. Failure to follow these instructions could result in electric shock, fire, serious injury, or property damage.

- Ensure the power supply matches the device's specifications (230V, 50/60Hz).
- All electrical connections must be performed by a qualified electrician and comply with local electrical codes.
- Disconnect power before performing any installation, maintenance, or troubleshooting.
- Do not operate the device if it is damaged or if the power cable is frayed.
- Keep children and unauthorized personnel away from the installation area.
- Ensure proper grounding to prevent electrical hazards.

## 5. INSTALLATION AND SETUP

The Easy Press II is designed for easy integration into single-phase electric pump systems. Proper installation is crucial for optimal performance and safety.

1. **Mounting:** Install the Easy Press II vertically, ensuring the flow direction matches the arrows on the device. It should be mounted between the pump and the first point of water consumption.
2. **Hydraulic Connection:** Connect the inlet of the Easy Press II to the pump's discharge and the outlet to the system's piping. Ensure all connections are watertight using appropriate sealants (e.g., PTFE tape).
3. **Electrical Connection:**
  - Connect the power supply cable to the Easy Press II's input terminals.
  - Connect the pump's power cable to the Easy Press II's output terminals.
  - Ensure all connections are secure and properly insulated. Refer to the wiring diagram provided in the technical documentation (Figure 2).
4. **Priming the System:** Before starting the pump, ensure the pump and the Easy Press II are fully primed with water to prevent dry running.
5. **Initial Start-up:** Once all connections are secure and the system is primed, restore power. The Easy Press II will initiate the pump when water demand is detected.



## DATI TECNICI

| TIPO      | P <sub>2</sub> |    | Alimentazione |       | Corrente per servizio continuo |
|-----------|----------------|----|---------------|-------|--------------------------------|
|           | kW             | HP | Volt          | Hz    |                                |
| EASYPRESS | 1.5            | 2  | 230           | 50/60 | 13 A                           |

OUT OF SERVICE

DRY RUNNING

FREQUENT START-UP

EASYPRESS è dotato di 2 segnalatori LED che consentono di visualizzare lo stato di funzionamento ed i messaggi di allarme del sistema, grazie a delle combinazioni ed accensioni ad intermittenza delle spie LED. Sul pannello di controllo è presente una legenda per agevolare l'utente ad identificare la tipologia di anomalia riscontrata dal dispositivo.

## CAMPO DELLE PRESTAZIONI

- ※ Pressione di ripartenza: **1.5 bar**
- ※ Portata massima: **170 l/min** (10 m<sup>3</sup>/h)

## UTILIZZI E INSTALLAZIONI

EASYPRESS è un dispositivo elettronico **robusto ed affidabile** per il comando e protezione di elettropompe domestiche monofase con potenza fino a **2 HP**.

## DESCRIZIONE DEL PRODOTTO

※ EASYPRESS è composto da un sensore di pressione e da un sensore di flusso, collegati ad un sistema elettronico, che avviano l'elettropompa quando, all'apertura di un rubinetto, la pressione dell'impianto scende sotto la pressione di ripartenza e l'arrestano quando la portata si azzeri o scende al di sotto di **2 l/min**.

- ※ EASYPRESS è dotato di:
  - scheda elettronica;
  - manometro;
  - microaccumulo integrato che ne consente il funzionamento anche senza vaso di espansione (comunque consigliato il vaso 15F).

L'elettronica integrata protegge l'elettropompa da:

- ※ marcia a secco;
- ※ avviamenti frequenti dovuti a perdite nell'impianto;
- ※ bloccaggio per inattività dell'impianto.

## LIMITI D'IMPIEGO

- ※ Temperatura del liquido fino a **+55 °C**
- ※ Temperatura ambiente fino a **+40 °C**
- ※ Pressione massima di esercizio **10 bar**
- ※ Protezione: **IP 65**

## BREVETTI - MARCHI - MODELLI

- ※ Modello comunitario registrato n° 868062
- ※ Patent n° IT 1388969, IT 1388970
- ※ EASYPRESS® marchio registrato n° 0001334481

## ACCESSORI

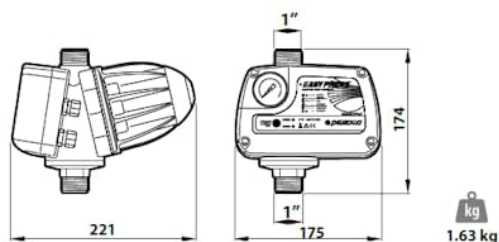
- ※ GSR Giunto speciale a tre pezzi con tenuta o-ring (1")



## ESECUZIONI A RICHIESTA

- ※ Versione EASYPRESS con pressione di ripartenza **0.8 bar**
- ※ Versione EASYPRESS con pressione di ripartenza **2.2 bar**
- ※ Versione con cavo di alimentazione con spina Schuko e cavo di collegamento elettropompa

## DIMENSIONI E PESI



## Altezza massima utenza



## Installazione tipica

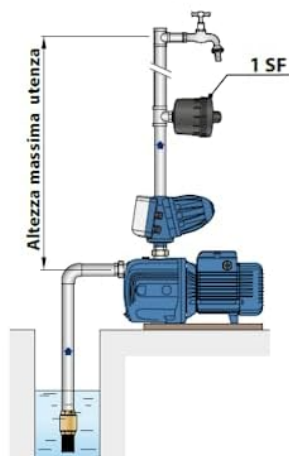


Figure 2: Technical diagram and dimensions of the PEDROLLO Easy Press II.

This image provides detailed technical specifications, performance curves, and dimensional drawings for the Easy Press II. It illustrates various models (Easy Press 1, Easy Press 2) and their electrical characteristics, as well as typical installation setups and physical dimensions.

## 6. OPERATION

The PEDROLLO Easy Press II operates automatically once installed and powered. It functions as an electronic flow and pressure switch.

- **Pump Start:** When a tap or valve in the system is opened, causing a drop in pressure and flow, the Easy Press II detects this demand and automatically starts the connected electric pump.
- **Pump Stop:** When all taps or valves are closed, and water flow ceases, the Easy Press II detects the absence of flow and stops the pump after a short delay, maintaining system pressure.
- **Status Indicators:** The device features LED indicators (Power, Out of Service, Dry, Running, Frequent Start-up) to provide visual feedback on its operational status. Refer to the device's front panel for specific indicator meanings.

## 7. MAINTENANCE

The PEDROLLO Easy Press II is designed for minimal maintenance. However, regular checks can help ensure its longevity and reliable operation.

- **Regular Inspection:** Periodically check the device and its connections for any signs of leaks, damage, or corrosion.
- **Cleanliness:** Keep the exterior of the device clean and free from dust or debris. Do not use abrasive cleaners.
- **Winterization (if applicable):** In areas subject to freezing temperatures, ensure the device and connected piping are drained or protected from frost to prevent damage.
- **Pressure Gauge Check:** Monitor the pressure gauge regularly to ensure it is functioning correctly and providing accurate readings.

Always disconnect power to the device before performing any maintenance or inspection.

## 8. TROUBLESHOOTING

The Easy Press II incorporates intelligent features to protect the pump and indicate operational issues. Here are common scenarios and their resolutions:

- **Pump Not Starting / "Dry" Indicator On:**
  - **Cause:** Dry running detected (no water in the pump or suction line).
  - **Solution:** Ensure the pump is primed with water. The Easy Press II may attempt an automatic reset after a period. If not, manually reset the device by pressing the "START/STOP" button or by cycling the power.
- **Pump Cycling Frequently / "Frequent Start-up" Indicator On:**
  - **Cause:** Small leaks in the system (e.g., dripping tap, faulty toilet fill valve) or a non-return valve issue.
  - **Solution:** Inspect all plumbing fixtures and connections for leaks. Repair any leaks found. Check the non-return valve in the system for proper operation.
- **Pump Not Stopping:**
  - **Cause:** Continuous water flow (e.g., open tap, major leak) or a sensor malfunction.
  - **Solution:** Close all taps and check for significant leaks. If the pump continues to run without demand, disconnect power and contact a qualified technician.

- **No Power / "Power" Indicator Off:**

- **Cause:** No electrical supply to the device.
- **Solution:** Check the circuit breaker, fuses, and power connections. Ensure the power outlet is functional.

For issues not covered here, or if troubleshooting steps do not resolve the problem, contact a qualified technician or the manufacturer's support.

## 9. WARRANTY AND SUPPORT

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Information regarding the specific warranty period and terms for the PEDROLLO Presscontrol Easy Press II is typically provided at the point of purchase or within separate documentation accompanying the product. Please retain your proof of purchase for warranty claims.

For technical support, spare parts, or service inquiries, please contact your authorized PEDROLLO dealer or the manufacturer directly. Information on spare parts availability was not provided in the product details.

Manufacturer: PEDROLLO