AUTOMATIC PRESSURISATION SYSTEM WITH INVERTER

Clean water

Domestic use

Civil use

DESCRIPTION

- **DG PED** is an automatic pressurisation system with inverter which integrates: a high efficiency self-priming pump; an expansion vessel; pressure and flow rate sensors; a non-return valve.
- **DG PED is a compact, autonomous, quiet and high performance pumping system.**
- **A sophisticated electronically controlled inverter, at the heart of the system, in an intuitive way:**
  - maintains the pressure of the installation constant by regulating the speed of the pump in accordance with the required flow rate;
  - controls the hydraulic and electric operating parameters and protects the pump from anomalies;
  - can be equipped with an expansion card that makes it possible to work in parallel with other inverters in the pumping groups by managing input and output signals;
  - it adapts to every type of pressurisation system, including existing ones;
  - it limits the starting and operating currents in order to provide a greater saving of energy.

TECHNICAL DATA

- Supply voltage **~ 230 V** ± 10%
- Frequency **50/60 Hz**
- Insulation: **class F**
- Max absorbed current: **7.5 A** DG PED 3 - **10.5 A** DG PED 5
- P1 Maximum absorbed power: **1.0 kW** DG PED 3 - **1.5 kW** DG PED 5
- Protection IP X4
- Factory set point **3 bar**

APPLICATION LIMITS

- Manometric suction lift up to **8 m**
- Liquid temperature between 0 °C and **+40 °C**
- Ambient temperature between 0 °C and **+40 °C**
- Max. working pressure **10 bar**
- Continuous service **S1**
- Operates in a **vertical** position

ALL IN ONE

Main components:
Multistage self-priming pump
Expansion vessel
Non-return valve
Intuitive control panel

LOW-NOISE

CONSTANT PRESSURE

EASY TO USE

COMPACT DIMENSIONS

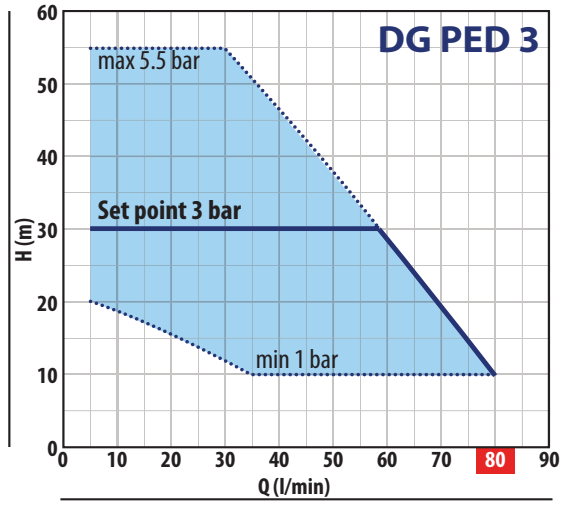
DOMESTIC USE

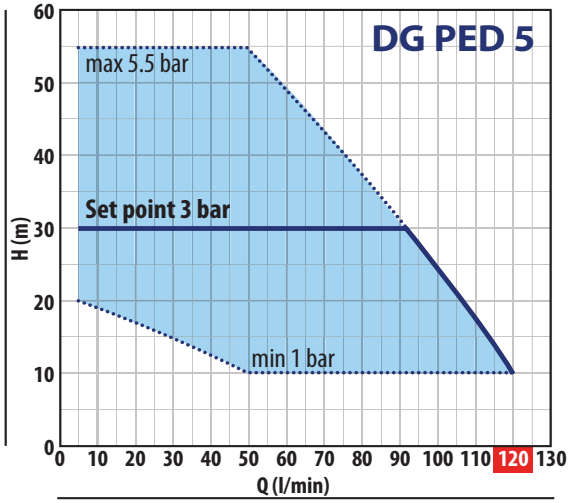
A single DG PED meets the requirements of single apartments or small houses.

RESIDENTIAL USE

Two DG PED assembled as a set meet the requirements of more than one apartment.

CHARACTERISTIC CURVES

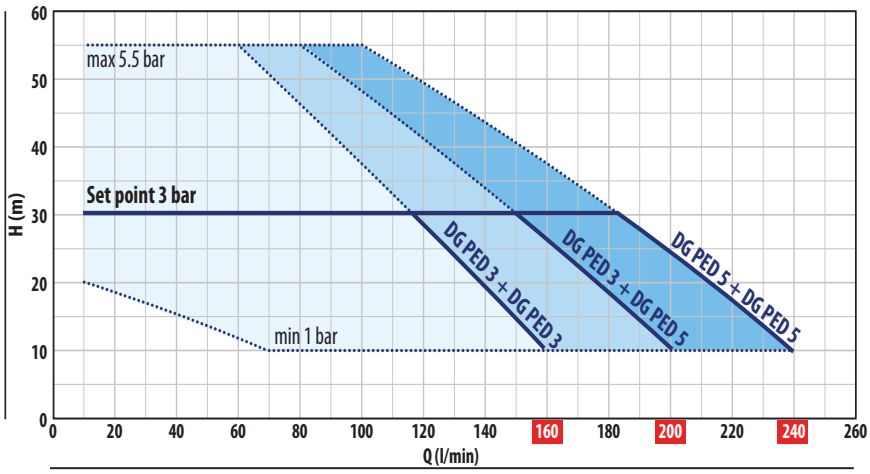




MODEL	POWER			MAX PERFORMANCES		PERFORMANCES (ADJUSTABLE SET POINT)					
	P2			Q	H	Min. Set Point		Set Point Stand. Setting		Max. Set Point	
Single-phase	kW	HP	▲	l/min	metres	bar	l/min	bar	l/min	bar	l/min
DG PED 3	0.75	1	IE3	5 – **80**	55 – 10	1	35 – **80**	**3**	5 – **58**	5.5	5 – 30
DG PED 5	1.1	1.5		5 – **120**	55 – 10	1	50 – **120**	**3**	5 – **92**	5.5	5 – 50

Q = Flow rate **H** = Total manometric head Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

CHARACTERISTIC CURVES FOR GROUPS OF TWO DG PED 3 OR 5



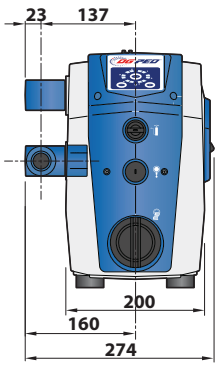
OPTIONAL ACCESSORIES

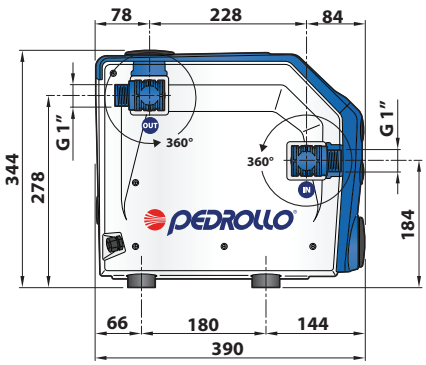
Connection kit for two DG PED units

Electronic expansion circuit board

Kit for wall-mounting a single DG PED

Kit for wall-mounting a group of two units





COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001 =

IE3 Premium Efficiency

MADE IN ITALY