

AUTOMATIC PRESSURE BOOSTING SYSTEM

 Clean Water

 Residential

 Commercial



DESCRIPTION

- **DG PED** is an automatic pressure boosting system which integrates a high efficiency self-priming pump, an expansion tank, pressure and flow rate sensors, and a non-return safety valve.
- **DG PED** is a compact, autonomous, quiet and high performance pumping system
- **DG PED** is a sophisticated electronically controlled variable speed controller, at the heart of the system, in an intuitive way
 - Maintains constant pressure of the system by regulating the speed of the pump in accordance with the required flow rate requirements
 - Controls the hydraulic and electric operating parameters and protects the pump from performance issues
 - Can be equipped with an expansion card that makes it possible to work in parallel with additional DG PED pumping units by managing input and output signals
 - Limits the starting and operating power in order to provide a greater energy savings

TECHNICAL DATA

- Supply Voltage: ~ **230 V** ± 10%
- Frequency: **50/60 Hz**
- Insulation: **Class F**
- Maximum Absorbed Current: **7.5 A** DG PED 3 - **10 A** DG PED 5
- P1 Maximum Absorbed Power: **1.3 HP** DG PED 3 - **2.0 HP** DG PED 5
- Protection: **IP X4**
- Factory Set Point: **43 psi** (3 bar)

PRODUCT SPECIFICATIONS

- Maximum Suction Lift up to **26 feet** (8 m)
- Liquid and Ambient Temperature between **32°F** (0°C) and **104°F** (+40°C)
- Maximum Working Pressure: **145 psi** (10 bar)
- Continuous Duty Rating: **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

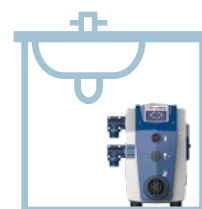


EASY TO USE



INSTALLS ANYWHERE

Thanks to its compactness and low noise level, the DG PED can be installed anywhere



COMPACT DIMENSIONS



DOMESTIC USE

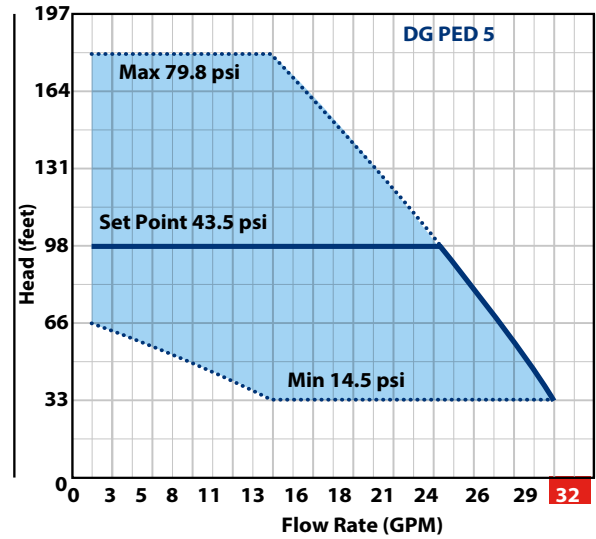
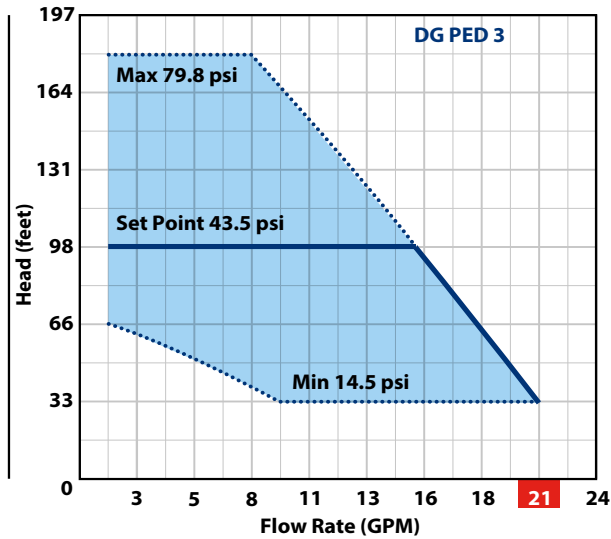
A single DG PED meets the requirements of single apartments or small houses



RESIDENTIAL USE

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

PERFORMANCE CURVES

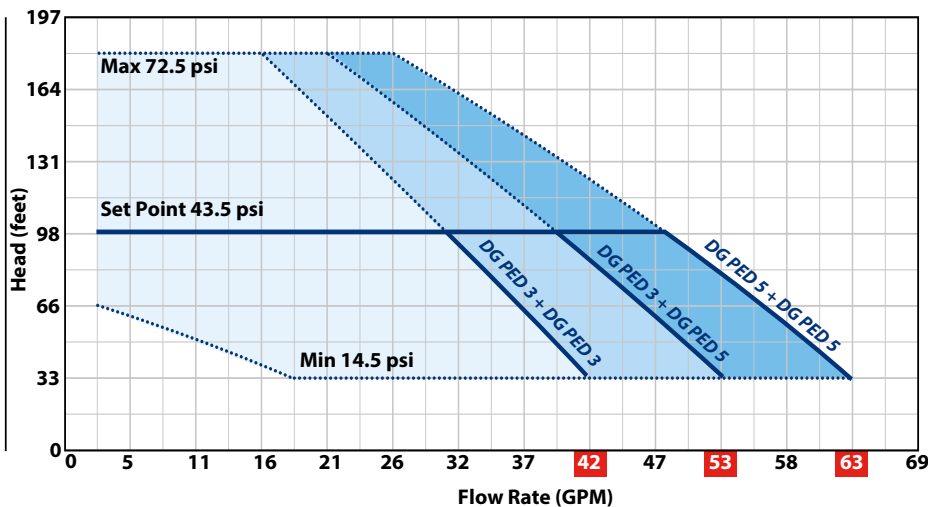


MODEL NUMBER	MOTOR SIZE			MAX PERFORMANCES		PERFORMANCES (ADJUSTABLE SET POINT)					
						Min. Set Point		Set Point Stand. Setting		Max. Set Point	
Single-phase	kW	HP	EFF	Flow Rate GPM	Head Feet	PSI	GPM	PSI	GPM	PSI	GPM
DG PED 3	0.75	1.00	IE3	1.3 – 21.1	180.4 – 32.8	14.5	9.2 – 21.1	43.5	1.3 – 15.3	79.8	1.3 – 7.9
DG PED 5	1.10	1.50		1.3 – 31.7	180.4 – 32.8	14.5	13.2 – 31.7	43.5	1.3 – 24.3	79.8	1.3 – 13.2

EFF = Three-phase motor efficiency class (IEC 60034-30-1)

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

PERFORMANCE CURVES FOR COMBO UNITS OF DG PED 3 OR 5



OPTIONAL ACCESSORIES



Connection kit for two DG PED units



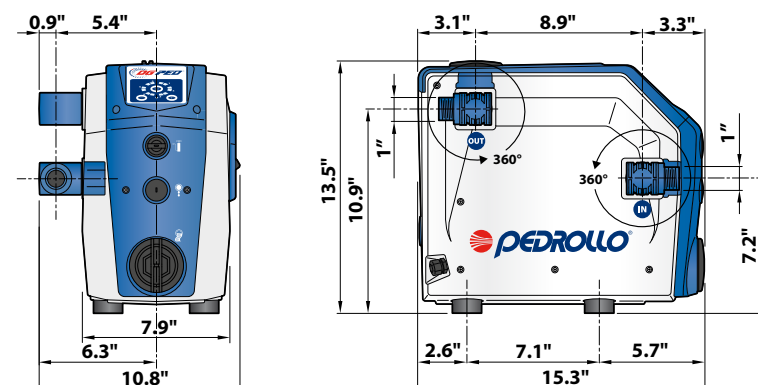
Electronic expansion circuit board



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 =



MADE IN ITALY

DG PED-Series US 0524