

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

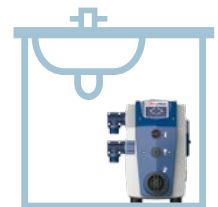


EASY TO USE



INSTALLS ANYWHERE

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



COMPACT DIMENSIONS



DOMESTIC USE

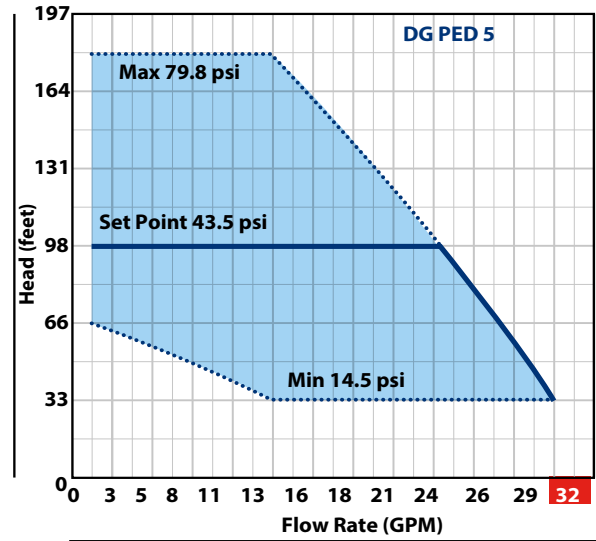
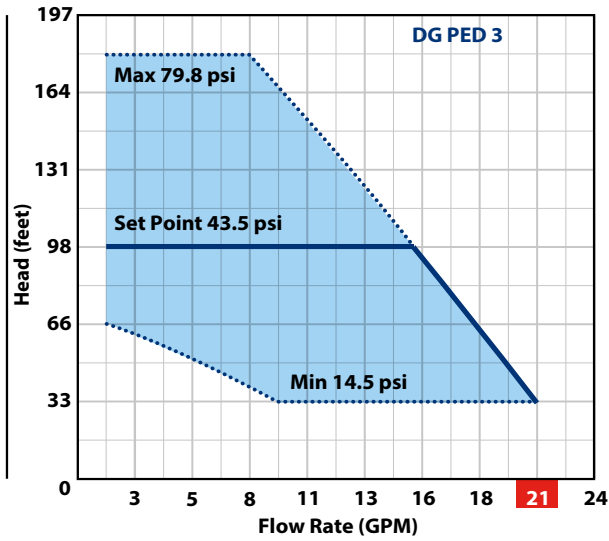
A single DG PED meets the requirements of single apartments or small houses



RESIDENTIAL USE

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

PERFORMANCE CURVES

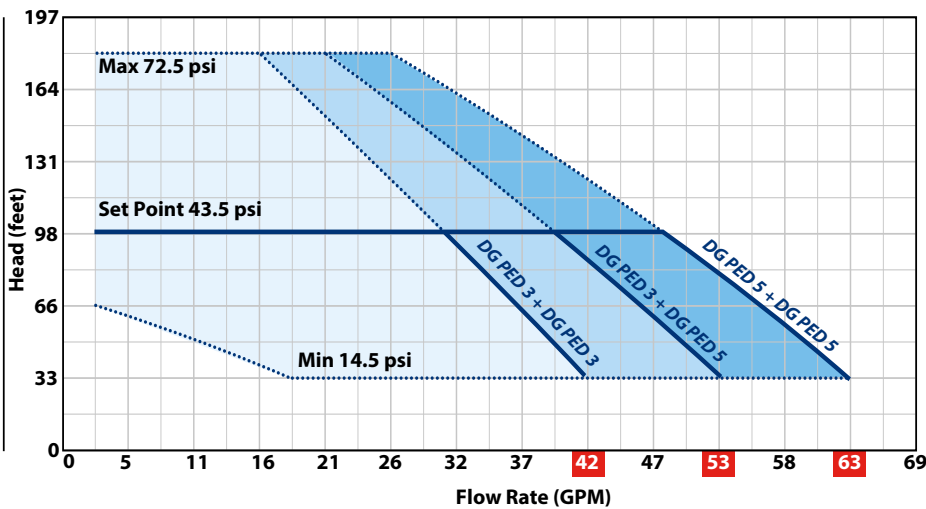


MODEL NUMBER	MOTOR SIZE			MAX PERFORMANCES		PERFORMANCES (ADJUSTABLE SET POINT)						
	Single-phase	kW	HP	EFF	Flow Rate GPM	Head Feet	Min. Set Point PSI	GPM	Set Point Stand. Setting PSI	GPM	Max. Set Point PSI	GPM
DG PED 3	0.75	1.00	IE3		1.3 – 21.1	180.4 – 32.8	14.5	9.2 – 21.1	43.5	1.3 – 15.3	79.8	1.3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

