



## 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 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

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## ALL IN ONE

### Main components:

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



## LOW-NOISE

## CONSTANT PRESSURE

## EASY TO USE

## INSTALLABLE ANYWHERE

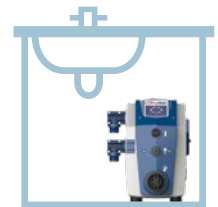
Thanks to its compactness and low noise level the DG PED can be installed anywhere



## COMPACT DIMENSIONS

## DOMESTIC USE

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

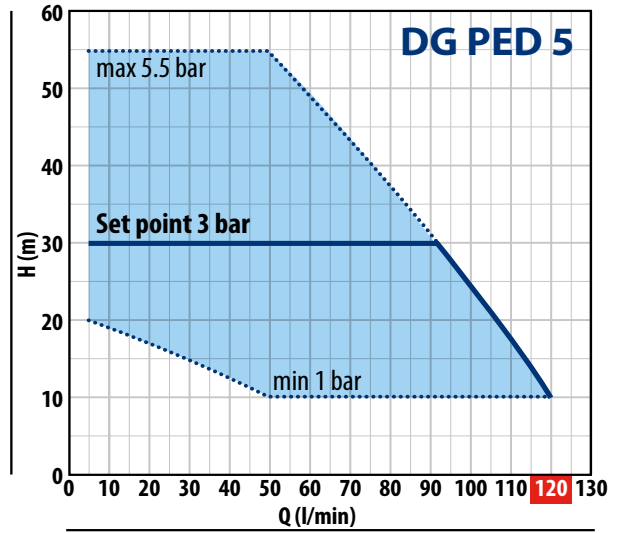
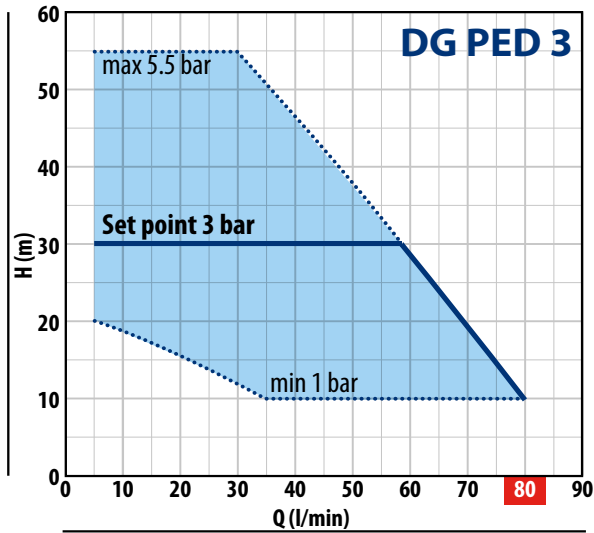


## RESIDENTIAL USE

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



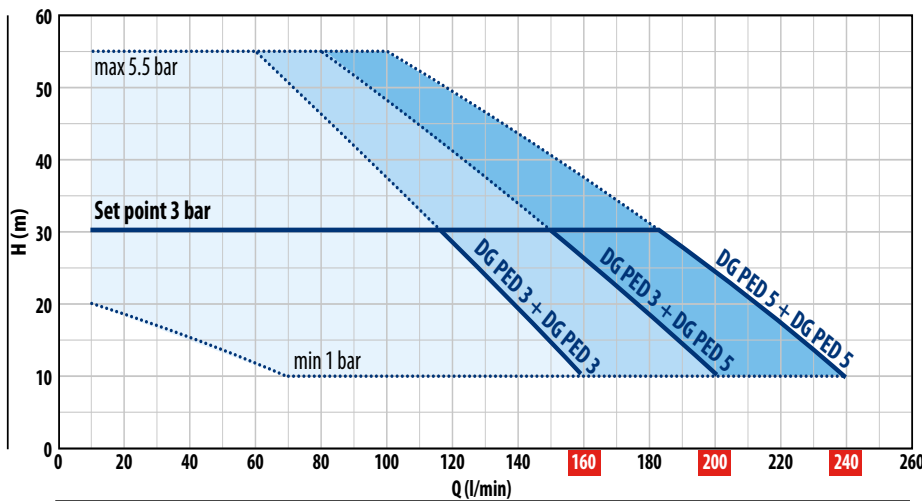
## CHARACTERISTIC CURVES



MODEL	POWER		▲	MAX PERFORMANCES		PERFORMANCES (ADJUSTABLE SET POINT)					
	P <sub>2</sub> kW	HP		Q l/min	H metres	Min. Set Point bar	Set Point Stand. Setting l/min	Set Point Stand. Setting bar	Max. Set Point l/min	Max. Set Point bar	
Single-phase											
<b>DG PED 3</b>	0.75	1	IE3	5 - 80	55 - 10	1	35 - 80	3	5 - 58	5.5	5 - 30
<b>DG PED 5</b>	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. ▲ Three-phase motor efficiency class (IEC 60034-30-1)

## 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

