



---

# **PRESSURE MANAGER**

---



# PRESSURE MANAGER- PM RANGE

## PM 1 – BASIC FLEXIBILITY

The Grundfos PM1 is suitable for applications where start/stop of the pump is needed, according to the consumption. It is a solution offering the booster to start at 1.5 or 2.2 bar. PM1 starts the pump when reaching the starting pressure, and keeps running as long as there is a flow. PM1 offers dry-running protection and cycling alarm for increased safety in addition to the usual Grundfos quality, which guarantees high flexibility, robust electronics, and long life.



## PM 2 – ALL-ROUND CONTROL

The Grundfos PM2 is an all-round control solution offering pressure setting range between 1.5 - 5 bar. The starting pressure is set inside the unit, whereas current pressure is read on the intuitive LED display on the front of the Pressure Manager. PM2 starts the pump when reaching the starting pressure and keeps running as long as there is a flow. PM2 is equipped with an internal pressure tank to minimise starts and stops in case of leakage in the installation. In addition, PM2 can be optimised for operation with large external pressure tank by enabling the 1 bar differential pressure functionality. This significantly reduces the number of start/stops of the pump.



## PM TWIN

The all-in-one Grundfos PM TWIN is an intelligent controller, that controls two pump solutions with duty/standby mode, in accordance with consumption in domestic water supply in the range of 1.5 - 5 bar. PM TWIN is designed for automatic start/stop control of Grundfos pumps and other water supply pumps in home environment.

PM TWIN can be adapted to the individual installation through a number of DIP switches located behind the operating panel.



## APPLICATIONS

### • Typical applications are water supply systems and rainwater systems in:

- One-family houses
- Blocks of flats
- Villas and cottages
- Horticulture and gardening
- Agriculture

## FEATURES

### User-friendly interface

PM Range has a user-friendly interface with LED indicators showing:

- Power on
- Pumps running
- Alarm indication

### Flexible power supply

Due to robust electronic components, PM Range can be powered by a generator or other alternative power supplies

### Protective functions

PM TWIN incorporates a number of functions which protect both the pumps and the installation:

- Dry-running protection
- Cycling alarm
- Maximum continuous operating time (30 min) except PM1
- Auto-reset function which can be used to automatically restart the system in case of dry running, except PM1

### Internal pressure tank

PM TWIN is equipped with a small internal pressure tank, which minimises the number of starts and stops of the pump in case of minor leakages

Overview of features

Features	PM1	PM2	PM TWIN
Power-on indication	●	●	●
Pump running indication	●	●	●
Alarm indication	●	●	●
Dry-running protection	●	●	●
Free position in installation	●	●	●
Suitable for generator supply	●	●	●
Flexible outlet connection	●	●	●
Integrated non-return valve	●	●	●
Cycling alarm	●	●	●
Integrated pressure sensor from GrundfosDirect Sensors™		●	●
Adjustable start pressure		●	●
Start/stop with 1 bar differential pressure		●	●
Automatic restarting after dry running		●	●
Maximum continuous operating time (30 min) (safety)		●	●
Internal pressure tank		●	●
Pressure indication		●	
Duty/standby twin operation			●

## PRODUCT RANGE

Part Number	Model	Voltage	Start Pressure [bar]	Max Temperature		Pipe Size (inch)	
				Liquid	Ambient	Inlet	Outlet
On Request	PM 1	1 x 230 V	1.5	60 °C	55 °C	G1"	G1"
On Request		1 x 230 V	2.2	60 °C	55 °C	G1"	G1"
96848738	PM 2	1 x 230 V	1.5 - 5	60 °C	55 °C	G1"	G1"
99370355	PM TWIN	1 x 230 V	1.25 - 5	60 °C	55 °C	G1"	G1"

For all pumps, electrical supply is 1 phase 230 Volts AC, 50 Hz