

DG PED EVO

Automatic pressurization system with inverter

-  Clean water
-  Domestic use
-  Civil use



PRODUCT DESCRIPTION

DG PED EVO is a cutting-edge, automatic pressurization system featuring a high-efficiency, self-priming pump with multiple impellers. It comes complete with a storage tank, pressure and flow sensors, and a check valve, all designed to work quietly and efficiently.

This compact powerhouse stands out for its advanced electronic inverter control, which intelligently manages the system performance by:

- keeping the pressure constant according to water usage;
- monitoring hydraulic and electrical conditions to safeguard against malfunctions;
- allowing for integration with another DG PED EVO unit through an optional expansion card;
- adapting seamlessly to any type of pressurization system, even existing ones;
- reducing electrical consumption with lower startup and running currents, achieving greater energy efficiency.

INSTALLATION AND USE

※ **DG PED EVO** is designed to cater to the needs of single and two-family homes.

※ **DUAL-DG PED EVO** units are pre-assembled pump systems, perfectly suited for multi-unit residences.

TECHNICAL DATA

- ※ Power supply:
 - **1~ 230 V** ± 10% DG PED 3 EVO, DG PED 5 EVO
 - **1~ 115/230 V** ± 10% DG PED 3 EVO (115/230 V)
- ※ Frequency: **50/60 Hz**
- ※ Insulation: **class F**
- ※ Maximum current absorbed:
 - **7.5 A** DG PED 3 EVO
 - **10 A** DG PED 5 EVO
- ※ Maximum power input P1:
 - **3/4 HP** DG PED 3 EVO (115/230 V)
 - **1 HP** DG PED 3 EVO
 - **1-1/2 HP** DG PED 5 EVO
- ※ Protection rating: **IP X4**
- ※ Set point from the factory: **45 psi**

APPLICATION LIMITS

- Manometric suction head up to **11 psi**
- Liquid temperature between: **32 °F** and **104 °F**
- Ambient temperature between: **32 °F** and **104 °F**
- Max. port pressure **58 psi**
- Max pressure **145 psi**
- Continuous running duty **S1**

PATENTS - TRADE MARKS - MODELS

- Registered community model No. 015048622-0001

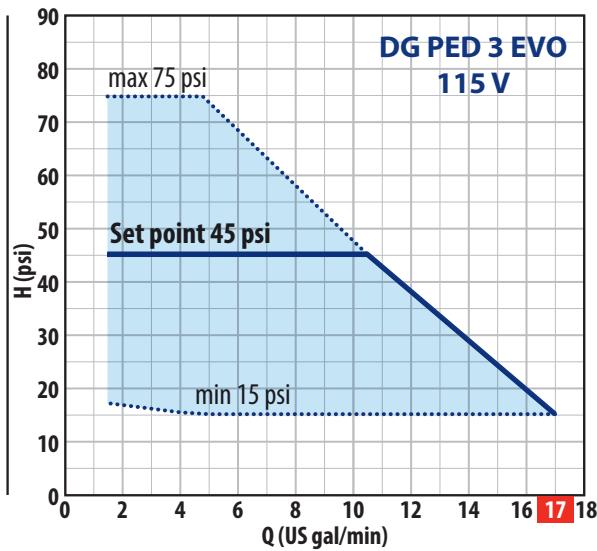
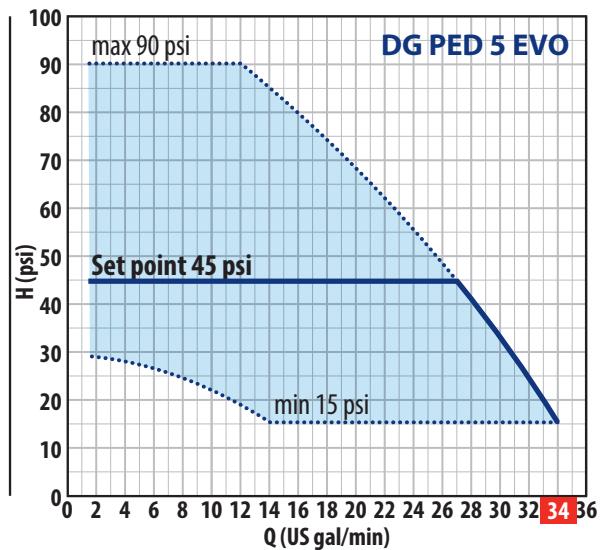
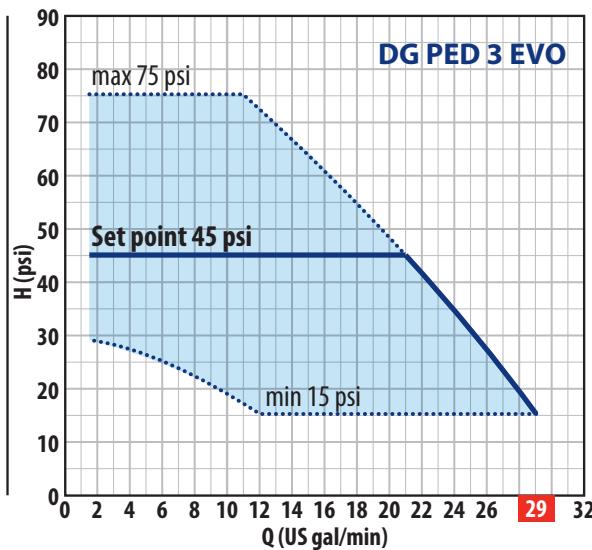
CERTIFICATIONS



DG PED EVO

PERFORMANCE CURVES

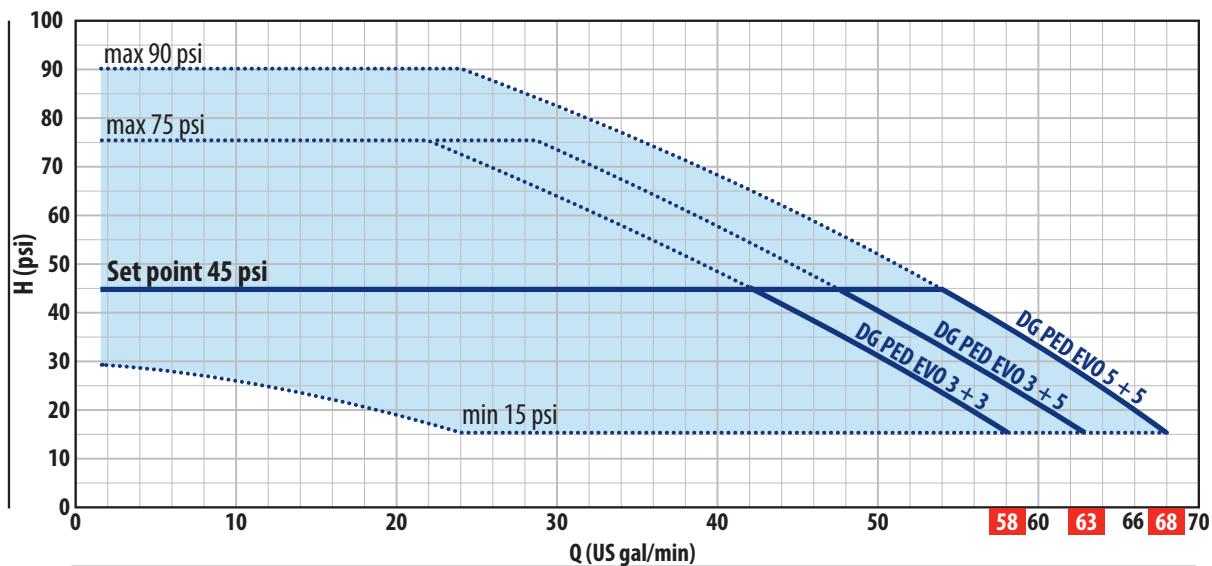
Q (US gal/min) H (psi)



TYPE	POWER		PERFORMANCE		PERFORMANCE (ADJUSTABLE SET POINT)				
			Q US gal/min	H psi	Set Point Min psi	Set Point Min US gal/min	Set Point Calibration Std psi	Set Point Calibration Std US gal/min	
Single-phase	HP	▲	IE3	1.5 – 29	75 – 15	15	12 – 29	45	1.5 – 21
DG PED 3 EVO	230 V	1		1.5 – 34	90 – 15	15	14 – 34	45	1.5 – 27
DG PED 5 EVO	230 V	1-1/2		1.5 – 17	75 – 15	15	5 – 17	45	1.5 – 10.5
DG PED 3 EVO (115/230 V)	115/ 230 V	3/4							

Q = Flow rate H = Total manometric head

▲ Efficiency three-phase motor (IEC 60034-30-1)

PERFORMANCE CURVES FOR A GROUP OF TWO DG PED EVO UNITS
Q (US gal/min) H (psi)


TYPE	POWER		PERFORMANCE		PERFORMANCE (ADJUSTABLE SET POINT)				Set Point Max	
	HP	▲	Q US gal/min	H psi	Set Point Min psi	Set Point US gal/min	Set Point Calibration Std psi	Set Point US gal/min	psi	US gal/min
DUAL DG PED EVO 3+3	1+1	IE3	1.5 – 58	75 – 15	15	24 – 58	45	1.5 – 42	75	1.5 – 22
DUAL DG PED EVO 3+5	1+1-1/2		1.5 – 63	75 – 15	15	24 – 63	45	1.5 – 48	75	1.5 – 29
DUAL DG PED EVO 5+5	1-1/2+1-1/2		1.5 – 68	90 – 15	15	28 – 68	45	1.5 – 54	90	1.5 – 24

Q = Flow rate **H** = Total manometric head

▲ Three-phase motor efficiency (IEC 60034-30-1)

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

DG PED EVO

KEY FEATURES



ALL IN ONE

- Self-priming multistage pump
- Frequency inverter
- Expansion tank
- Check valve
- Pressure and flow sensor



QUIET



COMPACT



CONSTANT PRESSURE



EASY TO USE



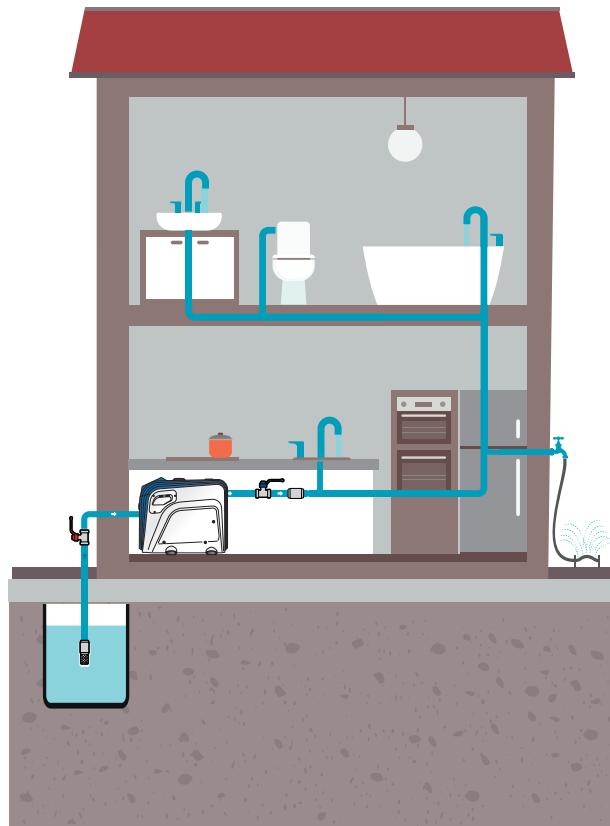
INSTALLABLE ANYWHERE

Thanks to its compactness, quiet operation, and 360° adjustable connections, DG PED EVO can be installed anywhere

TYPICAL INSTALLATION

ABOVE GROUND

(drawing from a shallow tank or well)

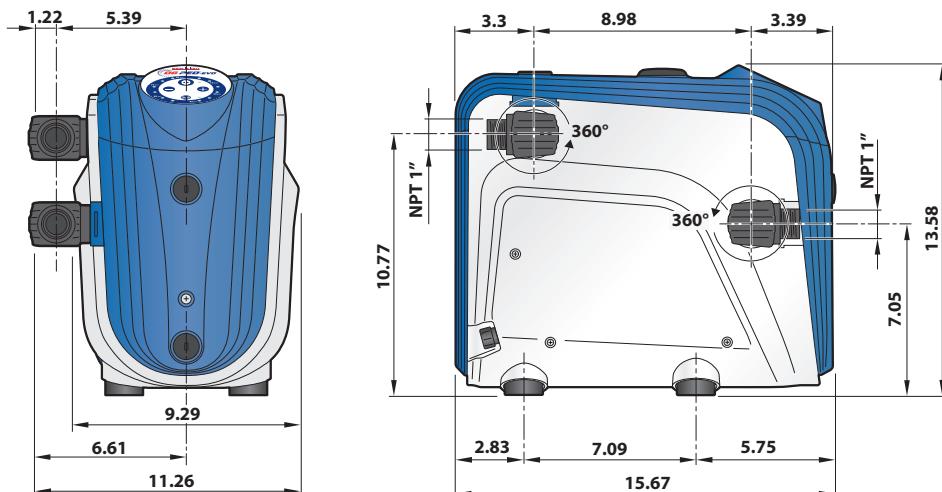


BELOW GROUND

(tank or aqueduct)

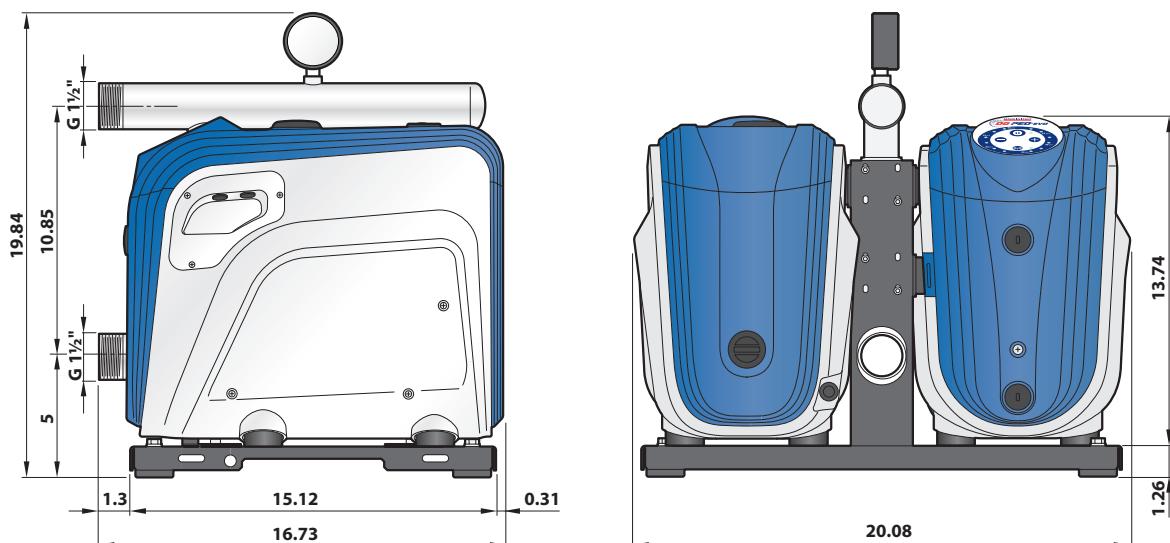


DIMENSIONS AND WEIGHTS (in.)



DG PED 3 EVO: 33 lbs.
 DG PED 5 EVO: 35 lbs.

DUAL DG PED EVO DIMENSIONS AND WEIGHTS (in.)



DUAL DG PED EVO 3+3: 94.8 lbs.
 DUAL DG PED EVO 3+5: 97 lbs
 DUAL DG PED EVO 5+5: 99.2 lbs.

OPTIONAL ACCESSORIES



Connection kit for two
DG PED EVO units



Electronic
expansion board



Kit for wall installation of a
single DG PED EVO



Wall installation kit
of a two-unit group