

GPC Series

Constant pressure booster set with COMPACT controller



Description of the unit

Booster set (GPC Series):

- Single-pump horizontal multistage booster set from the MAXI Series with a COMPACT controller.
- Suitable for domestic water supply in single-family homes, irrigation systems, and similar applications.
- **Operation:** When water demand is detected, the unit starts automatically, maintaining pressure and flow at the desired consumption point. Once the demand stops, the pump shuts off automatically after 10 seconds.
- All models in the series feature 1" connections, including both the pump and the controller.

Pump (MAXI Series):

- Completely silent operation.
- Monobloc construction with a single motor-pump shaft, equipped with 2RS deep groove ball bearings with lifetime lubrication.
- It features a bellows mechanical seal with independent rotation direction, according to EN12756.
- Impellers are made from a polymer with a high fiberglass content, providing increased rigidity and ensuring complete resistance to corrosion, and limescale buildup due to its excellent chemical resistance. The pump's outer casing

(cylinder) is made of AISI 304, and the suction and discharge casings are made from composite material, offering great dimensional stability and high resistance to corrosion.

Controller (COMPACT Series):

- This is a compact unit designed for the automatic control and protection of electric pumps.
- It features integrated flow and pressure sensors connected to an electronic circuit that regulates pump operation.
- It includes dry-run protection and replaces traditional systems like pressure tanks and switches.
- Its compact size allows for quick, maintenance-free installation.
- **ART Function:** If a failure occurs, the system attempts automatic restarts to restore operation.
- An integrated accumulation system reduces frequent pump starts caused by leaks or dripping faucets.



Motor technical data

Motor	Single-phase with permanent capacitor or three-phase, depending on the model
Efficiency	IE1 for all models
Voltage	- Single-phase for models 30, 40, and 50. - Three-phase for model 50.
Poles	2
Level of protection	IP55
Insulation	F Class

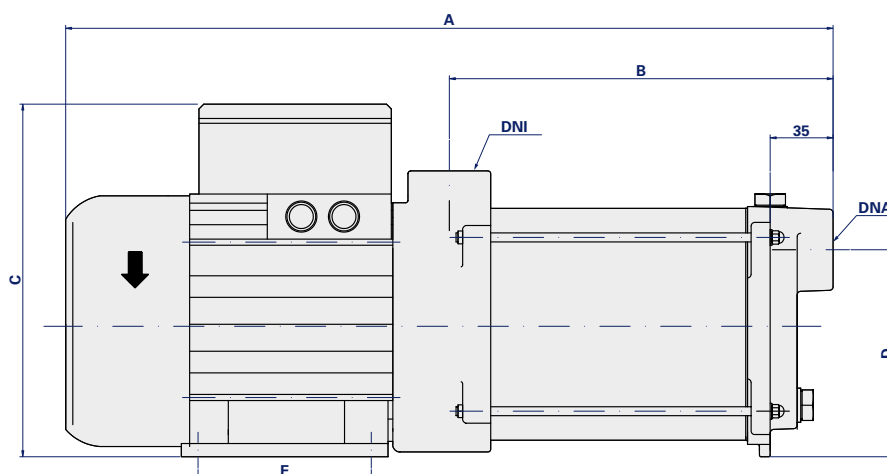
Pump connections

<i>Models</i>	<i>Suction</i>	<i>Discharge</i>
<i>GPC MAXI 30</i>	1"	1"
<i>GPC MAXI 40</i>	1"	1"
<i>GPC MAXI 50</i>	1"	1"

Model	Power	Voltage	Consumption		Manometric head									
					10 m	15	20	25	30	35	40	45	50	55
	CV	V	A		1 bar	1,5	2	2,5	3	3,5	4	4,5	5	5,5
MAXI 30	0,8	230 V	5	Flow rate (l/h)	5300	5000	4500	3700	3000	1800	200			
MAXI 40	1	230 V	6,2		5400	5300	5000	4600	4200	3600	3000	2000	700	
MAXI 50	1,2	230 V	6,9		5450	5350	5200	4900	4600	4000	3550	2900	2000	1000
		230/400 V	6,9											



Pump dimensions



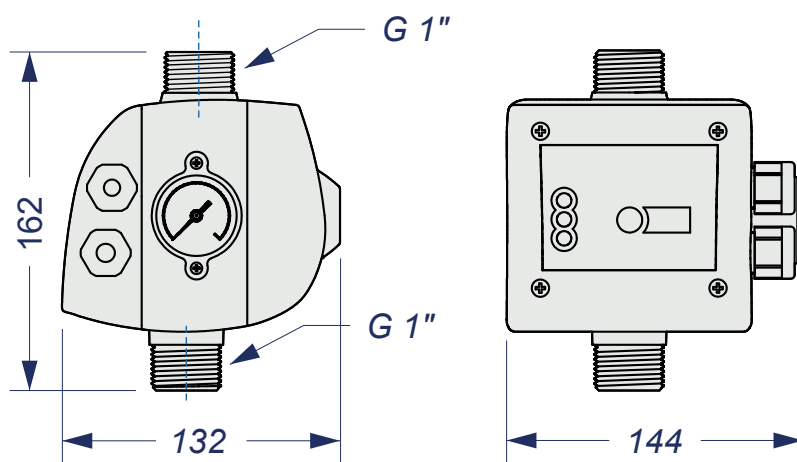
Model	Pump dimensions						
	A	B	C	D	E	DNS	DND
MAXI 30	366,9	153,9	200	112	90	1"	1"
MAXI 40	390,4	177,4	200	112	90	1"	1"
MAXI 50	412,5	199,5	200	112	90	1"	1"

COMPACT controller technical data

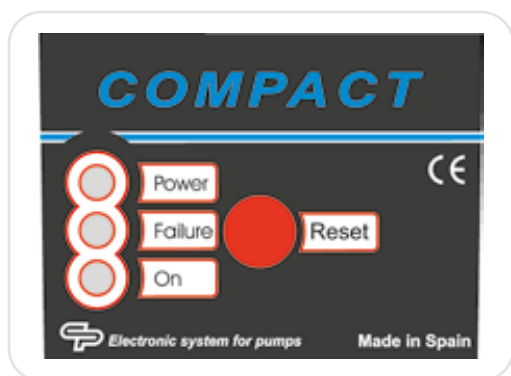
	COMPACT			
	F10	F15	F20	R
Start-up pressure	0,8 bar	1,5 bar	2,5 bar	1,5-3,5 bar
Power	1,5 kW			
Supply voltage	~1 x 110÷230 Vac			
Frequency	50/60 Hz			
Max. Consumption	10 A; cos fi ≥ 0,6			
Level of protection	IP65			
Max. Temperature	50°C			
Max. Pressure	10 bar			
Max. Flow rate	8000 l/h			



Controller dimensions



Front panel



Installation placement

