

## 1GPE PRESS•O•MATIC\_DOMESTIC PRESSURE BOOSTING



Units with one electric pump with inverter control unit.

The Press•O•Matic electronic device for the control of the electric pumps is based on inverter technology, it controls start-up and stop of the electric pump and modulates motor revs. depending on the water withdrawal from the plant. (For further information see page 71)

### APPLICATIONS

- Domestic pressure boosting
- General pressure increases
- Small-scale garden irrigation
- Washing vehicles
- Moving clean water in general

### TECHNICAL DETAILS

- Available in the following versions:
  - with horizontal multistage electric pumps equipped with body and support in cast iron, impellers and nozzle in PPE+PS reinforced with fibreglass (COMPACT)
  - with horizontal multistage electric pumps equipped with body, impellers and stages in AISI 304 stainless steel (MATRIX)

### PERFORMANCE TABLE

Model	P <sub>2</sub>		Q [m <sup>3</sup> /h]	Performance	H [m]
	[HP]	[kW]			
1GPE COMPACT A/10+Press•O•Matic	1	0,75	1,2÷3,0÷4,8		56,5÷43,5÷20,0
1GPE COMPACT A/12+Press•O•Matic	1,2	0,9	1,2÷3,0÷4,8		67,5÷52,5÷24,0
1GPE COMPACT B/12+Press•O•Matic	1,2	0,9	1,8÷3,6÷7,2		47,5÷41,5÷18,0
1GPE COMPACT B/15+Press•O•Matic	1,5	1,1	1,8÷3,6÷7,2		58,0÷51,5÷22,0
1GPE MATRIX 3-4T/0,65+Press•O•Matic	0,9	0,65	1,2÷2,7÷4,8		42,0÷34,0÷16,0
1GPE MATRIX 3-5T/0,75+Press•O•Matic	1	0,75	1,2÷2,7÷4,8		52,5÷42,5÷20,0
1GPE MATRIX 3-6T/0,9+Press•O•Matic	1,2	0,9	1,2÷2,7÷4,8		62,5÷51,0÷24,0
1GPE MATRIX 3-7T/1,3+Press•O•Matic	1,8	1,3	1,2÷2,7÷4,8		73,0÷59,5÷28,0
1GPE MATRIX 5-4T/0,9+Press•O•Matic	1,2	0,9	1,8÷4,8÷7,8		43,0÷34,7÷17,6
1GPE MATRIX 5-5T/1,3+Press•O•Matic	1,8	1,3	1,8÷4,8÷7,8		54,0÷43,5÷22,0
1GPE MATRIX 5-6T/1,3+Press•O•Matic	1,8	1,3	1,8÷4,8÷7,8		64,5÷52,0÷26,4

### TABLE OF TECHNICAL DATA

Model	P <sub>2</sub>		Current supplied to the motor [A] Three phase 230V	Suction connection	Discharge connection
	[HP]	[kW]			
1GPE COMPACT A/10+Press•O•Matic	1	0,75	4,2	G1	G1¼
1GPE COMPACT A/12+Press•O•Matic	1,2	0,9	4,7	G1	G1¼
1GPE COMPACT B/12+Press•O•Matic	1,2	0,9	4,7	G1¼	G1¼
1GPE COMPACT B/15+Press•O•Matic	1,5	1,1	5,9	G1¼	G1¼
1GPE MATRIX 3-4T/0,65+Press•O•Matic	0,9	0,65	2,8	G1	G1¼
1GPE MATRIX 3-5T/0,75+Press•O•Matic	1	0,75	4,4	G1	G1¼
1GPE MATRIX 3-6T/0,9+Press•O•Matic	1,2	0,9	4,5	G1	G1¼
1GPE MATRIX 3-7T/1,3+Press•O•Matic	1,8	1,3	6,1	G1	G1¼
1GPE MATRIX 5-4T/0,9+Press•O•Matic	1,2	0,9	4,5	G1¼	G1¼
1GPE MATRIX 5-5T/1,3+Press•O•Matic	1,8	1,3	6,1	G1¼	G1¼
1GPE MATRIX 5-6T/1,3+Press•O•Matic	1,8	1,3	6,1	G1¼	G1¼

For further information, consult this catalogue (pages relative to the electric pumps indicated in the table)  
For correct functioning of the system, the use of an expansion vessel is recommended