



## SPHERE UNIT Series

*Small built-in pressure boosters, fully automatic. These units consist of a single phase pump, diaphragm tank, pressure switch, pressure gauge and various connectors suitable for commercial water systems.*

*The units are fully assembled and ready to be connected to the building's water system.*

*Choice of units with peripheral (PM), self-priming (BGM), horizontal single-impeller (CEAM) and horizontal multiple-impeller (HM) centrifugal pumps.*

### SPECIFICATIONS

**Delivery:** up to 110 l/min (6.6 m<sup>3</sup>/h)

**Head:** up to 56 metres (5.6 bar)

**Power supply:** single-phase  
50 and 60 Hz

**Motor starting:** D.O.L.

**Power:** up to 1.1 kW

**Water temperature:** 0°C to +40°C

### MATERIALS

**Pump:** Stainless steel

**Tank:** Enamelled steel (stainless steel available on request); butyl membrane

### APPLICATIONS

- Pressure boosting in water systems for domestic use, lawn sprinkling and washing
- Pumping of non-aggressive liquids in industrial plants



For a complete list of technical information, consult [www.lowara.com](http://www.lowara.com)

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## BLOCK UNIT Series

*Small built-in pressure boosters, fully automatic. These units consist of a single phase pump, diaphragm tank, pressure switch, pressure gauge and various connectors suitable for commercial water systems.*

*The units are fully assembled and ready to be connected to the building's water system.*

*Choice of units with self-priming (BGM) or horizontal single-impeller (CEAM) centrifugal pumps.*

### SPECIFICATIONS

**Delivery:** up to 100 l/min (6 m<sup>3</sup>/h)

**Head:** up to 50 metres (5 bar)

**Power supply:** single-phase  
50 and 60 Hz

**Motor starting:** D.O.L.

**Power:** up to 1.1 kW.

**Water temperature:** 0°C to +40°C

**Pump type:** horizontal

**Control:** pressure switch

**Tank:** 24l horizontal cylindrical

### MATERIALS

**Pump:** Stainless steel

**Tank:** Enamelled Steel; butyl membrane

### APPLICATIONS

- Pressure boosting in water systems for domestic use, lawn sprinkling and washing
- Pumping of non-aggressive liquids in industrial plants



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## GENYO SYSTEM Series

Small built-in pressure boosters, fully automatic. These units consist of a single phase pump together with Genyo device suitable for residential water systems.

The units are fully assembled and ready to be connected to the building's water system.

All models use one of the three executions ( F12, F15 or F22) of GENYO 8A device, depending from the every single hydraulic performance and the requirement specified from the electronic device:

**GENYO 8A/F12** F12: 8A max Input current – 1.2 bar starting pressure  
**GENYO 8A/F15** F15: 8A max Input current – 1.5 bar starting pressure  
**GENYO 8A/F22** F22: 8A max Input current – 2.2 bar starting pressure

Choice of units with peripheral (P), self-priming (BG), twin-impeller (CA) and horizontal multistage (HM-HMS) pumps.

### SPECIFICATIONS

**Delivery:** up to 120 l/min (7,2 m<sup>3</sup>/h)

**Head:** up to 53 metres (5,1 bar)

**Power supply:** single-phase  
50 and 60 Hz

**Motor starting:** D.O.L.

**Power:** up to 1.1 kW.

**Water temperature:** 0°C to +40°C

### MATERIALS

**Pump:** Stainless steel and cast iron

### APPLICATIONS

- Pressure boosting in water systems for domestic use, lawn sprinkling and washing



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## Pressure booster units




Wide range of 2, 3 and 4 pump controlled by pressure switches or pressure transmitters, with constant or variable speed operation. The range has been designed to supply water to users on an intermittent or variable basis, using electric or diesel motors controlled by an electric panel.

The wide range of available products includes fixed-speed single-phase and three-phase units (GXS, GM, GMD, GS), GHV series independent variable-speed pressure boosters with HYDROVAR® adjuster, and GTKS series with TEKNOSPEED device. There is also a complete range of independent fire-fighting systems built to UNI 9490 or UNI 10779 requirements.

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### APPLICATIONS

- Water supply
- Heating, ventilation and air-conditioning
- Water supply for washing and heating systems
- Irrigation
- General industry
- Fire-fighting systems

	GXS20	GMD20	GTKS20	GHV	GMD21	GS
Specifications						
Voltage	1 x 230 V	3 x 400 V	1 x 230V	1 x 230 V 3 x 400 V	3 x 400 V	3 x 400 V
Speed	fixed	fixed	variable	variable	fixed	fixed
n° pumps	2	2	2	1 - 4	2 + pilota	4
Max. capacity (mc/h)	28	36	16	400	420	1600
Max. pressure (mt)	120	150	100	150	150	150
type of control	pressure switch	pressure switch	frequency converter	frequency converter	pressure switches	pressure sensor

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## GS-GM Series

*Three-phase fixed-speed pressure units with pressure switch or pressure sensor control.*

### SPECIFICATIONS

**Number of pumps:** 1 to 4

**Delivery:** up to 400 m<sup>3</sup>/h

**Head:** up to 150 m

**Electric supply panel voltage:**

3 x 400 V 50 Hz (three-phase)

**Power:** up to 22 kW

**Motor starting:** D.O.L. up to 22 kW, plus star-delta (SD)

**Water temperature:** 0°C to +40°C

**Type of pump:** FH series horizontal, SV series vertical

### MATERIALS

**Pump:** Stainless steel

**Manifolds:** AISI 304 stainless steel

**Base:** Enamelled Steel

### PRODUCT APPLICATIONS AND CHARACTERISTICS

- Water supply for heating and washing systems
- Irrigation
- A jockey pump can be used on the pressure booster unit
- Trouble-free installation with flanged connectors
- Trouble-free servicing
- Pressure switch or pressure transducer control
- Compact solution for residential use
- Protection against dry running
- Automatic switching
- Metal control panel
- Unit factory assembled, calibrated and tested



For a complete list of technical information, consult [www.lowara.com](http://www.lowara.com)

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