



GVA series

VARIABLE SPEED BOOSTER SETS FOR HIGH PERFORMANCES
EQUIPPED WITH AQUAVAR IPC PUMP CONTROLLERS

GVA series

GVA series variable speed booster sets provide reliable high performances with quick setup and ease of use.

The GVA series booster sets are fully automatic booster sets for constant pressure applications like water supply, water pressure increase and water transfer in condominiums, office buildings, hotels, public buildings, industries and other applications.

The GVA series is designed for the maximum energy efficiency, is easy to setup and operate and delivers reliable and powerful performances.

The GVA series is suitable for drinking water use and can communicate with a BMS system via Modbus and BACnet.



Benefits.

- Reliable operation
- Quick setup and ease of use
- Performance and flexibility
- High efficiency for energy saving

Applications.

GVA booster sets are pumping units designed for pressure increase and distribution of water in:

- Water supply systems
- Commercial buildings
- Irrigation systems
- Industrial applications



Reliable operation.

GVA booster sets are equipped with multi-master Aquavar IPC drives, each controlled by an independent sensor, providing multiple redundancy: GVA are designed for the maximum reliability, ensuring operation even in case of not all components being available.

GVA booster sets feature Pipe-filling mode to allow a smooth start up, ensuring pipes protection.

GVA booster sets also allow automatic pumps change-over and working hours balancing, ensuring uniform operation of all components of the system.

Performance and flexibility.

- Up to 90 kW power per pump
- Communication protocols included as standard
- Complete set of built-in protections for pump and system
- Complete set of programmable analog and digital input/outputs
- Embedded EMC/RFI and harmonics filters designed to reduce drive noise emissions and interference to strict standard.

Quick setup and ease of use.

GVA booster sets are already preset from factory to ensure a quick and easy operation.

GVA are equipped with the Smart Start menu, quickly and easily guiding you in case customization is needed. HMI are on hand, to make setup and monitoring an easy job.

GVA booster sets feature also friction

losses compensation, increasing the discharge pressure of the pump to compensate the additional friction losses in the system.

GVA booster sets can be further customized for specific applications, including pump protections and I/O options, to get your pump system working just the way you need.

High efficiency for energy saving.

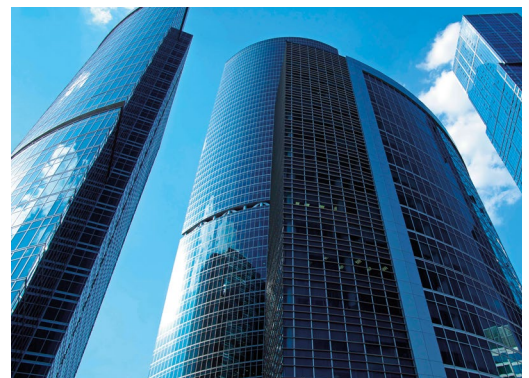
Energy is the largest cost of running any booster set, with the biggest potential savings. GVA booster sets work with your system to make it efficient. Its intelligent variable speed drives control the pumps exactly according to the current requirements of the user.

Compared to an unregulated system, GVA can save up to 70% of the energy consumption. The smooth regulation at optimal operation increases not only the efficiency but also the life of the system's components and reduces maintenance costs.

Multipump operation.

GVA booster set ensures high system reliability with the native multi-pump control, that allows different operating modes to match each constant pressure, flow control and level control applications:

- Multi-control mode, with one pump at a time running at variable speed, alternating variable speed operation among booster set pumps.
- Synchronous mode, with all pumps operating at the same variable speed.



Specifications.

Pumps	up to 4
Power	30 - 90 kW
Communication	Modbus® RTU and BACnet MS/TP standard. For other communication protocols or for more info contact your sales reference person
Power supply	3 x 400 V. Other voltages on request
Ambient temperature	0°C - 40°C
Protection rating	IP55



We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings.

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