



 **LOWARA**
a xylem brand

GVS SERIES

Variable Speed Booster Systems



Xylem is a leading water technology company committed to solving the world's water, wastewater, and energy needs by creating innovative and smart technology solutions. Their technological strength across the life cycle of water is second-to-none, from collection and distribution to reuse and return to nature. **Xylem's** highly efficient water technologies, pumps, and application solutions promote sustainability by using less energy and reducing life-cycle costs.



Ensavior is proudly associated as Channel partner with Xylem water Solutions. Our experienced team is equipped with the technical know-how to provide comprehensive support and product demonstrations to meet all your water, wastewater, and energy needs. Whether you have questions or require complete technical support, **Ensavior** is here to assist you every step of the way. Join forces with **Ensavior** and **Xylem** Water Solutions to create a sustainable future today!"

GVS Series High on Efficiency

Lowara, the industry leader, has once again combined two of the key products into one with the development and product upgradation of the GVS series boosters. A combination of high efficient eSV pump and high quality variable speed drives for each pump with dedicated pump controller. It is the most economical, versatile, and reliable booster system ever.

General Information

- High efficient, stainless steel vertical multistage pumps.
- Max flow: 640 m³/hr; Max head: 250 m.
- Pre-programmed for easy installation and start-up.
- Rugged mechanical design with simple layout.



Major Components

- Pump sets- 2 - 4 high efficiency eSV pump.
- Control Panel- Free standing floor mounted control panel with HMI, VFD and IP 42 protection.
- Pressure transmitter- Electromechanical pressure sensor device with 4-20 mA output signal.
- Pressure Gauge- Bourdon Tube type with all wetted parts in corrosion Resistant Material.
- Suction and discharge manifold- MS with galvanization common suction and discharge manifold.
- NRV- One per pump valbrass valve.
- Isolation valve- Two per pump valbrass, ball valve upto 2" and butterfly valve above 2".
- Base plate- MS painted heavy duty base frame.



Features that make a difference

- 7" Touch Screen Display.
- Diagnostic display- Pump status and alarms.
- Communication- Hardwired or Serial Communication to BAS.
- Motor Overload Protection- Turns motors off prior to point of damaging electrical conditions.
- Manual and Automatic Alternation- To provide equal run time hour ensuring even pump wear.
- End of Curve Protection- To protect pumps from operating outside of published range.
- Flow Sensor- One analog input from flow sensor to provide flow readout and end of curve protection.
- Low Suction Pressure Cut-Out- Protects the pumps against operating with insufficient suction water level via float switch digital inputs.
- Auto Start of Lag pump- Upon lead pump failure for multi-pump systems.
- User friendly Quick Menu- Allows for easy commissioning by giving direct access to the parameters required for most pump applications.
- Automatic resetting of dry running fault- System is automatically turned on once sufficient water level is reached.



Why GVS Series Booster?

- Sustainable Water Conservation and Energy Efficiency
- Lower Electric and Water Utility Costs.
- Long- Term Economic Returns.
- Reduced Environmental Impact.
- Reduces Equipment wear.
- High adaptability to varying water demand.
- Easy to set up.

The real world benefits of Energy and Operating cost savings achieved by applying variable speed drives to hydro pneumatic systems have been realized for many years. Such benefits include less wear and tear on pumps and control valves, leading to longer equipment lifetime; improved occupant comfort, stemming from equipment operation to meet building load; and cost savings from energy rebates and lower operating cost.

GET IN TOUCH



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CIN: U72900DL2011PTC222724