



GVS Series

VARIABLE SPEED BOOSTER SYSTEMS

GVS Series

High on Efficiency

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

GENERAL INFORMATION

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

MAJOR COMPONENTS

- Pump sets – 2-4 high efficient eSV pump
- Control Panel – Free standing floor mounted control panel with inbuilt VFD and IP42 protection
- Pressure transmitter – Electro-mechanical pressure sensor device with 4-20mA analog output signal
- Pressure Gauge – Bourdon Tube type with all wetted parts in SS316L
- Suction and discharge manifold – MS with galvanization common suction and discharge manifold
- NRV – One per pump valbrass valve
- Check valve – Two per pump valbrass, ball valve up to 2" and butterfly valve above 2"
- Base plate – MS painted heavy duty base frame.

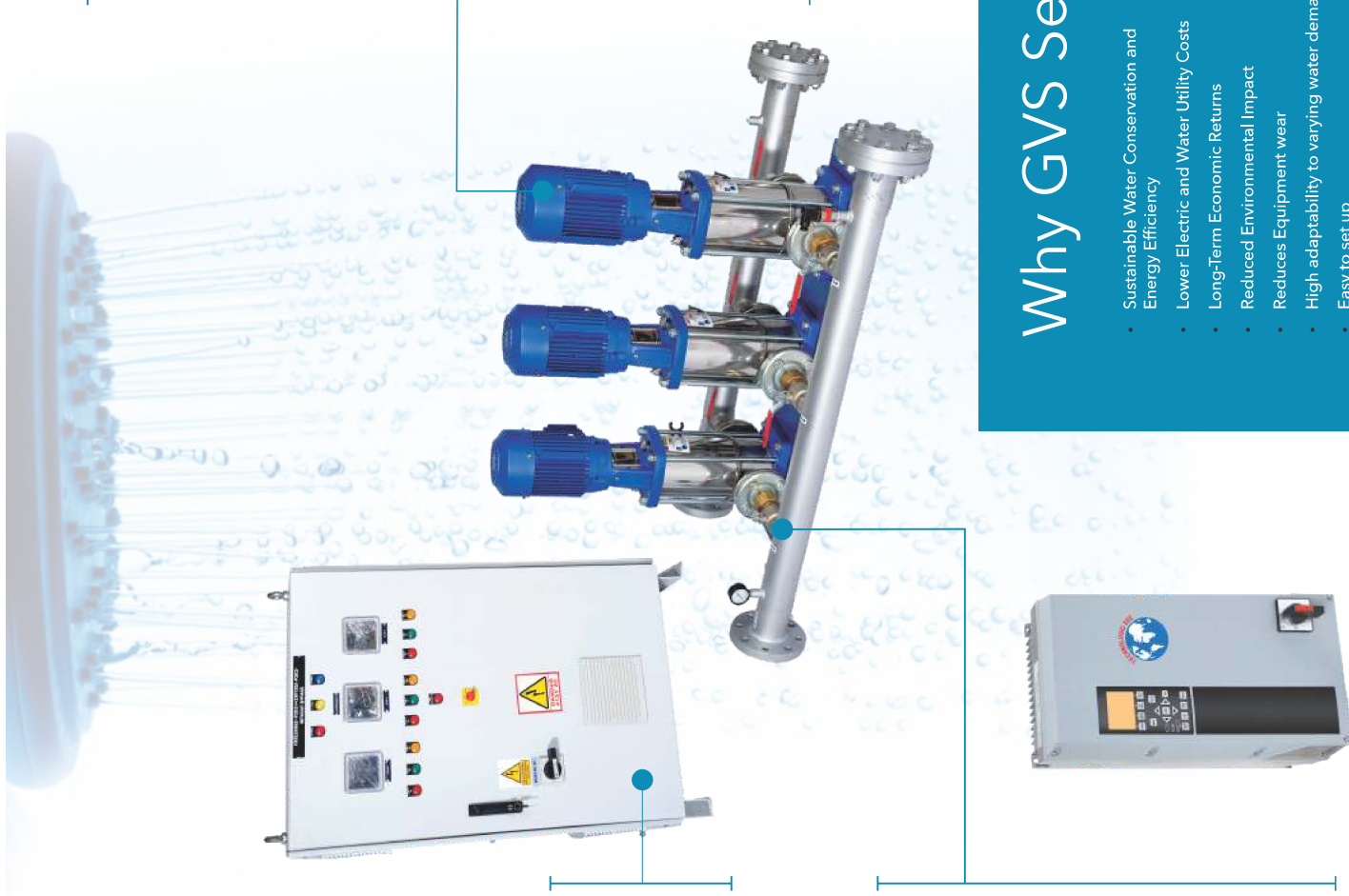
FEATURES THAT MAKE A DIFFERENCE

- Diagnostic display – Pump status and alarms
- Communication – Hardwire 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
- Local-Off-Remote Control – Allows local control or operation via building operating interface
- Flow Sensor – One analog input from a flow sensor to provide flow readout and end of curve protection
- Low Suction Pressure Cut-Out – Protects the pumps against operating with insufficient suction pressure via float switch digital input.
- 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 suction pressure is achieved.

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.



Testing and quality control for safe and reliable product

A lot of hard work, experience and knowledge goes into our product. The best tools are equipped and the best processes are in place to ensure that the systems we produce meet the specification and exceed our customer expectation. From design to fabrication, and assembly to shipping, our systems pass through several quality checkpoints right up to the very moment they leave our facility. Every stage of the manufacturing process must be completed before a system can be released to the customer.



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The specifications and features may change before prior notice.