



GHVR Variable Speed Booster Set

REDUCED SPACE DESIGN VARIABLE SPEED BOOSTER SET WITH HYDROVAR INVERTERS

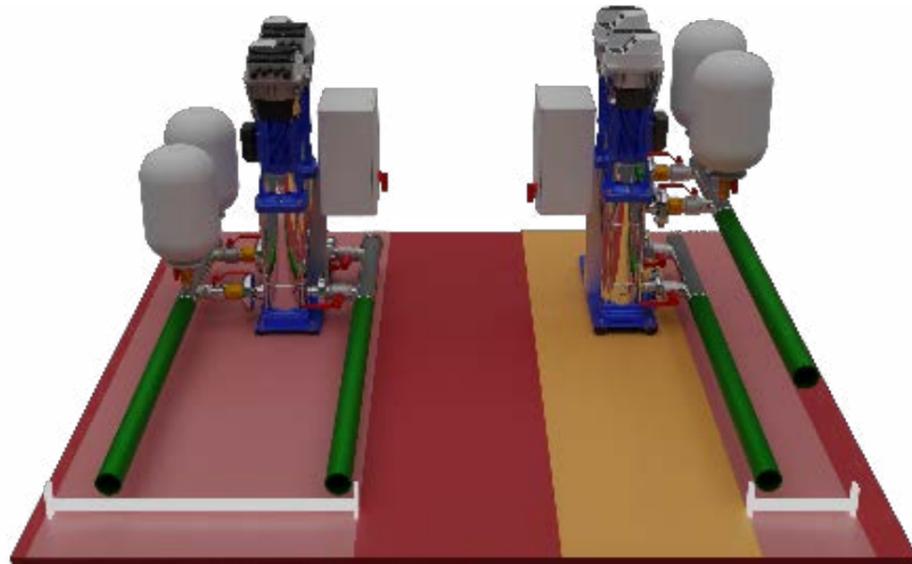
GHVR Booster Sets

GHV series booster sets are pumping stations featuring up to 8 vertical multistage pumps from the e-SV series. The pumps are connected to one another by suction and delivery pipes, and fixed onto a single base. The pumps are connected to the manifolds by means of stop valves and check valves. An electric protection and control panel is installed using a bracket on the base of the set.

All pumps, engage by means of their own frequency converter. Each pump start automatically depending on the system requirements and is fitted with its own pressure transmitter that is required to detect the pressure variation.

Reduced Space Design

With its unique manifold layout the GHVR booster set is specifically designed for environments with limited space. Compared to a traditional inline booster set, pipework footprint is significantly reduced allowing you to make the most of your floor space.

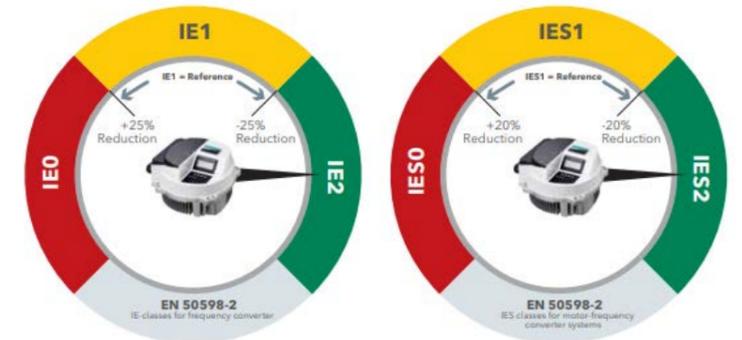


e-SV Multistage Pumps

The e-SV™'s hydraulics, combined with a high-efficiency motor (IE3) deliver maximum efficiency. The e-SV™'s design allows removal of the mechanical seal without having to remove the motor, reducing repair time by up to 50%. A standard DIN mechanical seal, wearing components, service tools and standard IEC motors enable faster and easier maintenance and servicing.

IE & IES Efficiency

The GHVR booster set, fitted with the Hydrovar variable speed drive and Lowara PLM IE3 motor, has the highest possible rating of both frequency converter (IE2) and Power Drive System (IES2) as featured in the EN 50598-2 European Standard for Energy Efficiency.



Hydrovar Variable Speed

Hydrovar is the intelligent pump controller that matches the performance to the demand. Unlike other variable speed drives, the Hydrovar uses a multi-master system ensuring the booster set remains operational if one drive fails, removing a single point of failure. Communication with local BMS systems using either BACnet and Modbus protocols comes as standard. Other built-in features include Slow Fill and Pipework burst protection.



WRAS Approved

GHVR series booster sets fitted with e-SV vertical multistage are certified for use with drinking water with WRAS approval as standard



Specification

Motor Protection: IP55
Voltage: 400 or 240 volt
Frequency: 50hz
Motor Efficiency: IE3
Insulation class: F

Temp of pumped liquid: 0°C to +80°C
Working Pressure: Up to 16 bar

Materials

Pump housing: AISI 304 certified for drinking water
Impellers: AISI 304 Stainless steel
Elastomers: EPDM
Mechanical Seal: Silicon carbide / Carbon / EPDM
Manifolds: AISI 304 (Suction and Discharge)

Pump Range (Performance Per Pump)

GHVR 5SV Range
Max-Min Flow: 2.24-8m³/h
Max Head: 152m
Motor Size: 1.1-3kW
Power Supply: 1 / 3 phase

GHVR 10SV Range
Max-Min Flow: 5-14m³/h
Max Head: 156m
Motor Size: 2.2-5.5kW
Power Supply: 1 / 3 phase

GHVR 15SV Range
Max-Min Flow: 8-24m³/h
Max Head: 147.7m
Motor Size: 4-11kW
Power Supply: 3 phase

GHVR 22SV Range
Max-Min Flow: 11-29m³/h
Max Head: 155.4m
Motor Size: 5.5-11kW
Power Supply: 3 phase

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- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

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. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to www.xylem.com



**Xylem Water Solutions UK Ltd.
Main Office**

Private Road No.1
Colwick, Nottingham NG4 2AN
Tel 0115 940 0111
Email fgbsales@xylem.com
www.xylem.com/uk

Axminster Office

Millwey Rise Industrial Estate
Axminster, Devon EX13 5HU
Tel 01297 630 230
Email lowaraukenquiries@xylem.com
www.xylem.com/uk

Farnborough Office

106 Hawley Lane
Farnborough, Hampshire GU14 8JE
Tel 01252 513 366
Email ukservicesales@xylem.com
www.xylem.com/uk

Xylem Water Solutions Ireland Ltd.

50 Broomhill Close
Airton Road, Tallaght, Dublin 24
Tel (+353) 01 4524 444
Email flygtlRL@xylem.com
www.xylem.com/ie

Xylem Maintenance Agreements UK

Tel 0800 009 3611

Xylem Service & Rental UK

24/7 Rental & Service Call Centre
Tel 0845 707 8012

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