

7GB WaterGun Booster Pumps/Booster Stations



Residential, Commercial High Pressure Multi-Stage Booster Pumps
7GB WaterGun®

Literature:

Technical Brochures

- [BGB7WG 7GB WaterGun HIGH-PRESSURE MULTI-STAGE BOOSTER PUMP](#)

Installation/Operation Manuals

- [IM055 R03 MODEL GB](#)

Parts Lists

- [RGB GB Repair Parts](#)

45HB-70HB High Pressure Centrifugal Booster Pumps



Residential, Commercial
High Pressure Centrifugal Booster Pumps
45HB & 70HB
Wide variety of industrial, commercial and agricultural uses, especially:
High rise buildings
Multiple dwelling buildings
Reverse osmosis systems
High pressure cleaning
Spraying systems
Booster service

Features and Benefits

- Multi-Stage Design: This configuration provides a steady, quiet and vibration-free operation for years of trouble-free service.
- Impellers and Diffusers: Glass-filled thermoplastic. Precision molded for high efficiencies.
- Bowls: Constructed with 300 series stainless steel. Rabbet lock for positive alignment – no gaskets required.
- Mechanical Seal: Carbon/ceramic faces. BUNA elastomers 300 series stainless steel metal parts.
- Motor: Close-coupled design. Ball bearings carry all radial/axial thrust loads.
- Designed for continuous operation. All ratings are within working limits of the motor.

Literature:

Technical Brochures

- [B45 70HB 45HB, 70HB HIGH PRESSURE CENTRIFUGAL BOOSTER PUMP](#)

Installation/Operation Manuals

- [IM023 R03 Model 45HB-70HB Multi-Stage Centrifugal Booster Pump](#)

Parts Lists

- [R45 70HB 45HB – 70HB REPAIR PARTS CENTRIFUGAL BOOSTER PUMPS](#)

e-SV Series Stainless Steel Vertical Multi-Stage Pumps



Energy saving, eco-friendly, efficient: The new e-SV design allows easy service and safe maintenance. The mechanical seal can be replaced without removing the motor from the pump!

Features and Benefits

- Top fill plug with air vent
- Current mechanical seal replaceable with no need of pump disassembling (for all sizes)
- “O” Ring seat design to allow an easily outer sleeve disassembly
- Floating for self-alignment replaceable diffuser wear ring (PPS Glass filled tecnopolymer to withstand chemically corrosive, mechanically aggressive and high temperature liquids)
- Reduced impeller axial thrust for longer standard motor bearing life (17,500h)
- Hard Material Intermediate bush bearing (Tungsten Carbide/Silicon Carbide) to improve life and ability to withstand heavy duty applications, like boiler feeding
- Cast Iron Pump Body Alternative Materials

Literature:

Brochures

- [BR0eSV e-SV Series STAINLESS STEEL VERTICAL MULTI-STAGE PUMPS](#)
- [BRGLCAR R1 Commercial Products • PUMPS • CONTROLS • PRESSURE BOOSTING](#)

Technical Brochures

- [BeSV50 R2 e-SV Series 50 Hz](#)
- [BeSV60 R3 e-SV 60 Hz Vertical Multi-Stage Pumps](#)
- [BPHV R3 PHV Packaged Hydrovar Series](#)
- [TDBOILEReSV G&L Series Technical Data Section 10](#)

Installation/Operation Manuals

- [IM228 R03 Model e-SV \(esv\)](#)
- [IM235 R01 Model e-SV, Vertical Multi-Stage Pumps Repair Stack Installation Instructions](#)
- [e-SV Time to Replace Shaft Seal](#)

Parts Lists

- [ReSV R1 e-SV REPAIR PARTS](#)

Specifications

- [e SV white 1 Hydrovar](#)
- [e SV white 1SP Hydrovar \(sp\)](#)
- [e SV white 1FR Hydrovar \(fr\)](#)
- [e SV white2 Dry Run Sensor](#)
- [e SV white 2SP Dry Run Sensor \(sp\)](#)
- [e SV white 2FR Dry Run Sensor \(fr\)](#)
- [e SV white 3 NSF/ANSI Standard 61](#)
- [e SV white 3SP NSF/ANSI Standard 61 \(sp\)](#)
- [e SV white 3FR NSF/ANSI Standard 61 \(fr\)](#)
- [e SV white 4 e SV Advantage: Laser Welding](#)
- [e SV white 4SP e SV Advantage: Laser Welding \(sp\)](#)
- [e SV white 4FR e SV Advantage: Laser Welding \(fr\)](#)
- [e SV white 5 e SV Vertical Multistage Configurations](#)
- [e SV white 5SP e SV Vertical Multistage Configurations \(sp\)](#)
- [e SV white 5FR e SV Vertical Multistage Configurations \(fr\)](#)
- [e SV white 6 Reverse Osmosis \(RO\) Pump Sizing](#)
- [e SV white 6SP Reverse Osmosis \(RO\) Pump Sizing \(sp\)](#)
- [e SV white 6FR Reverse Osmosis \(RO\) Pump Sizing \(fr\)](#)
- [e SV white 7 Mechanical Seals for e SV](#)
- [e SV white 7SP Mechanical Seals for e SV \(sp\)](#)
- [e SV white 7FR Mechanical Seals for e SV \(fr\)](#)
- [e SV white 8 i-Alert Conditional Monitoring](#)
- [e SV white 8SP i-Alert Conditional Monitoring \(sp\)](#)
- [e SV white 8FR i-Alert Conditional Monitoring \(fr\)](#)
- [e SV white 9 Goulds SMVT](#)
- [e SV white 9SP Goulds SMVT \(sp\)](#)
- [e SV white 9FR Goulds SMVT \(fr\)](#)
- [eSVSPEC G&L Series e-SV](#)

Curves:

Performance Curves

- [CeSV5060 eSV Low NPSH Curves](#)
- [CeSV5060 R1 e-SV Low NPSH Curve Book](#)

GB Booster Pump Series



Residential, Commercial High Pressure Multi-Stage Booster Pumps
5GB, 7GB, 10GB, 18GB, 25GB, 33GB

Applications:

Residential, commercial or agricultural pressure wash

Reverse osmosis

Evaporative cooling systems/misters

Booster Service

Spray systems

Water Circulation

Filtration

HVAC

General Purpose pumping

Features and Benefits

- Multi-stage Design: Provides steady, quiet, vibration free, operation.
- Optional Stainless Steel Construction: Standard cast iron for general service or stainless for filtration applications.
- O-ring Casing Seal: Reliable high pressure sealing with easy disassembly for maintenance or repair.
- Impellers and Diffusers: Glass filled engineered composite material with floating impeller design. High resistance to corrosion and abrasion.
- Bowls: 300 stainless steel rabbit lock for positive alignment with no gasket required.
- Variable Capacity: Centrifugal pump design permits selection of flow within a range for each size.
- Mechanical Seal: A variety of face materials and elastomers to match application needs.
- Motors: Close coupled NEMA 56J motors in open drip proof or totally enclosed design. Single phase and three phases available. Ball bearings carry all radial and axial thrust loads. Designed for continuous operation.

Literature:

Brochures

- [BRGLCAR R1 Commercial Products • PUMPS • CONTROLS • PRESSURE BOOSTING](#)

Technical Brochures

- [B5 33GB 5GB, 7GB, 10GB, 18GB, 25GB, 33GB HIGH PRESSURE MULTI-STAGE BOOSTER PUMP](#)

Installation/Operation Manuals

- [IM055 R03 MODEL GB](#)

Parts Lists

- [RGB GB Repair Parts](#)

HMS Horizontal

Residential, Commercial 316L Stainless Steel Horizontal Multi-Stage Centrifugal Pumps G&L Series HMS



Literature:

Technical Brochures

- [BHMS HMS 316L SS HORIZONTAL MULTI-STAGE CENTRIFUGAL PUMPS](#)

Installation/Operation Manuals

- [IM083 R05 Model HMS](#)

Parts Lists

- [RHMS HMS Repair Parts](#)

HSC Centrifugal Pumps



Residential, Commercial Horizontal Multi-Stage Centrifugal Pumps

G&L Series HSC

Applications:

General purpose pumping Water circulation

Booster service

Liquid transfer

Spraying systems

Jockey pump service

Features and Benefits

- Multi-stage Design: Provides steady, quiet and vibration-free operation for years of trouble-free service.
- Impellers: 20% glass-filled thermoplastic precision molded for high efficiencies.
- Compact Design: Close-coupled, space saving design provides easy installation. Flexible coupling and bedplate not required.
- Mounting: Can be mounted in vertical or horizontal position.
- Stainless Steel Pump Shaft: Hex design provides positive drive for impellers and eliminates clearance adjustments.
- Corrosion Resistant: Stainless steel wear rings and cover plates. Electro-coated paint process applied inside and out and then baked on.
- O-rings: Throughout for positive sealing.
- Easy to Service: Can be taken apart for service by removing four bolts.
- Motor: Close coupled design. Ball bearings carry all radial/axial thrust loads. Designed for continuous operation. All ratings are within working limits of the motor.

Literature:

Brochures

- [BRGLCAR R1 Commercial Products • PUMPS • CONTROLS • PRESSURE BOOSTING](#)

Technical Brochures

- [BHSC HSC with Curves and Dimensions](#)

Installation/Operation Manuals

- [IM008 R03 Model HSC](#)

Parts Lists

- [RHSC HSC REPAIR PARTS](#)

LC – Multi-Stage Centrifugal Pump



Residential, Commercial
Multi-Stage Centrifugal Pump
Specifically designed for the following uses:
Water circulation
Booster services
Liquid transfer
Spraying systems
General purpose pumping
Jockey pump service

Features and Benefits

- Close-coupled, space-saving design provides easy installation.
- Fabricated 304 stainless steel, end suction top discharge, case drain provided as standard.
- Impeller is an enclosed design for higher efficiencies, positively locked on shaft with a key and an impeller nut.
- Mechanical seal has carbon/ceramic faces, 316 series stainless steel metal components and Viton elastomer. Optional faces and elastomers available.

Literature:

Brochures

- [BRGLCAR R1 Commercial Products • PUMPS • CONTROLS • PRESSURE BOOSTING](#)

Technical Brochures

- [BLC LC MULTI-STAGE CENTRIFUGAL PUMP](#)

Installation/Operation Manuals

- [IM024 R06 Model LC](#)

Parts Lists

- [RLC LC REPAIR PARTS](#)

MPVN High Pressure Multi-Stage Pumps



High Pressure Multi-Stage Pumps

G&L Series MPVN

The MPVN is manufactured for Xylem Goulds Water Technology Pumps by ITT Austria GmbH, formerly ITT Vogel Pumpen, at their plant near Vienna, Austria.

Modular System:

VOGEL Vertical Multistage pumps utilize a modular design concept which maximizes component interchangeability. As such, multiple design configurations can be engineered to meet customer requirements without compromise to repair part inventories. The entire performance range is covered by 4 mechanical sizes that hold 8 different hydraulics.

Hydraulics:

Closed radial type impellers designed for casing wear rings on both sides. Axial thrust is minimized by balance holes for minimum bearing loads and maximum bearing lifetime. Diffusers separated from stage casings, easily exchangeable. Balanced radial forces, minimum shaft deflection, minimum vibrations.

Applications:

Water Supply Booster Systems Irrigation Fire Fighting Snow Making Cooling Circuits Boiler Feed Condensate District Heating Reverse Osmosis and Ultra Filtration Spray Water Systems Cleaning Systems

Features and Benefits

- Handled Liquids: Pure as well as slightly contaminated media such as: Cold and Hot Water, Condensate, Oil Suspensions, Acids as well as their watery solutions

Literature:

Technical Brochures

- [BMPVN R1 MPVN with Curves and Dimensions](#)

Installation/Operation Manuals

- [IM157 Model MPVN](#)

Packaged e-SV Hydrovar Series



A new generation of Hydrovar variable speed pump drive is taking pumping to a new level of flexibility and efficiency, when combined with the e-SV pump, the highest efficiency multistage pump on the market today.

Hydrovar's unique modular design needs no additional master control and enables virtually any configuration of pumps: up to 8 master drives or a mix of master and slave drives, all without different controls, PLC's or equipment. This is the long-awaited solution for high-level installations requiring fail-safe systems with a superior range of features, while its modularity also provides a cost-effective solution for low-level, reduced feature demands.

The Hydrovar advantages continue as they are also now offered preassembled with the highest efficiency multi stage pump on the market today, the model e-SV. These compact packages ship complete; incorporating the e-SV pump, Hydrovar drive, and Fused Disconnect assembled prewired and programed, as one complete unit.

A Hydrovar Kit finishes the lineup, incorporating the Hydrovar drive, Fused Disconnect, and wiring, programed to retrofit constant speed pumps already installed in the field.

Applications:

The Hydrovar Package is designed for centrifugal pump systems requiring constant pressure, flow control or differential pressure.

Features and Benefits:

- Vertically mounted e-SV pump/motor/drive space saving design
- Industry leading pump/package efficiencies
- e-SV pump design incorporates
 - Highest efficiencies available
 - Industry standard TEFC motors
 - Broad performance range
- Multi pump capability for up to 8 pumps
- NEMA 4 drive enclosure for outdoor use
- Simple selection and ordering process
- Factory assembled, programed and tested systems

Literature:

Brochures

- [BRHYDROVAR R2 Hydrovar and Packaged Hydrovar](#)

Technical Brochures

- [BPHV R3 PHV Packaged Hydrovar Series](#)

SE Multi-Stage Booster Pumps



Multi-Stage, Bottom-Inlet, High Head Submersible Pump

For Potable Water Booster and Filtered Effluent Service

These multi-stage, high head, bottom suction pumps are ideal for the following applications:

Filtered onsite effluent systems

Cistern booster systems

Shallow dug wells

Aeration

Features and Benefits

- Casing: AISI 304 SS. Corrosion resistant, non-toxic, non-leaching.
- Impeller: FDA compliant, glass filled Noryl®. Corrosion and abrasion resistant.
- Mechanical Seal: Silicon carbide sealing faces; all metal components of AISI type 300 stainless steel running in protected oil chamber.
- Elastomers: BUNA-N.
- Suction Strainer and Motor Shell: Constructed of AISI type 304 series stainless steel.
- Shaft: AISI type 304 stainless steel, high strength, keyed pump shaft with impeller locking cap screw.
- Discharge: 1 1/4" NPT vertical discharge connection.
- Suction Strainer: Detachable for easy clean out.

Literature:

Technical Brochures

- [BSE SE For Potable Water Booster And Filtered Effluent Service Multi-Stage, Bottom-Inlet, High Head Submersibles](#)

Installation/Operation Manuals

- [IM107 R4 Wastewater Pumps Dewatering, Effluent and Sewage](#)