

GESCO Pumps

*Perfect Solution for Environment & Technology
Proven Reliability & Performance*



INTRODUCTION

We covers wide range of pumps and pumping systems which includes Agricultural, Construction, Fire fighting & Industrial pumps, thereby being one of the few companies to offer complete pumping solution to the clients for varied applications.

GESCO represents following globally renowned brands

A. GENERAL PUMP – SPAIN

B. JOHNSON PUMP – SPX FLOW (Through Acorn) – United States

QUALITY POLICY STATEMENT

GESCO recognizes that the maintenance of quality standards in day-to-day activities is the key to our success.

The company is therefore committed to a policy to provide a service which fulfils the requirements and expectations of our customers in all ways and where necessity meets with regulatory requirements.

In order to achieve this commitment, a documented quality management system which meets the requirements of BSEN ISO 9001: 2015 has been established in management is responsible for determining measurable objectives for customer satisfaction and the aspirations of the company.

AFTER SALES SERVICE:

GESCO has a service team of highly qualified and motivated employees to assist all clients with any issues regarding our products and systems. Our aim is to ensure that our equipment operates safely, efficiently and downtimes are minimum. Also, we maintain a comprehensive product and spare parts inventory that help us to equip our customers with enhanced availability at any time of requirement.

In-house fabrication facility:

At GESCO's state of the art design and fabrication facility, we manufacture customized packaged pump skids and associated control & automation systems. What sets us apart from our competition is our in-house ability to design and fabricate complete system as a fully integrated package. Our well-trained work force is certified in the latest trends and technologies.

Our Applications Engineers will recommend the most suitable pumps for the application requirement and will work with our design engineers to create complete package process flow diagrams (PFD), unit piping diagrams (P&ID) and skid drawings. This results in a complete package including piping, instrumentation, flow accessories and electronics.

Impressive in-house facilities include a number of fabrication bays, CNC cutting machines, automatic welding machines, a blasting & painting division and testing is also carried out in-house.

GESCO is certified according to different international standards and a range of other requirements.

ASME "U" STAMP Certified • ASME "R" STAMP Certified • ISO 9001:2015 Certified • ISO 14001:2015 Certified • OHSAS 18001:2007 Certified.

We are well experienced in manufacture the following products also.

Process Equipment: Base oil - Additive mixing tanks for lube oil blending, Pressure Vessels, Silos (Single, Twin, Tripod), Acid storage as well transportation tanks, Frac Tanks, Batch mixers, (Skid & Trailer mounted), Cementing Unit, Weigh Batch Blenders, Cutting Bottles, Dust Collectors, C-Pump Skid, Cement Bulklers, Acid, Chemical Tankers, etc....

Internal Gear Pumps

Gear pumps are used in all types of manufacturing industries for the transportation of both thin and thick liquids, from chocolate to diesel fuel. Our gear pumps have sturdy design, offering high reliability as well as long life.

Johnson Pump's gear pump design is based on an internal idler gear rotating inside of a larger rotor. Internal gear pumps are robust, give an even flow, handle both low and high viscosity products, are capable of high pressure and are self-priming.

Examples of applications

Gear pumps are used or have a potential in all types of industries such as:

Petrochemicals	: Pure or filled bitumen, pitch, diesel oil, crude oil, lube oil
Chemicals	: Sodium silicate, acids, plastics, mixed chemicals, isocyanates
Paint & Ink	: Resins and Adhesives
Pulp & Paper	: Acid, soap, lye, black liquor, kaolin, lime, latex, sludge
Food	: Chocolate, cacao butter, fillers, sugar, vegetable fats and oils, molasses, animal feed



Top Gear TG L - for low viscosity liquids

Max. capacity	8 m ³ /h (35 GPM)
Max. pressure	25 bar (3635 psi)
Max. temp	2500C (4800F)
Max. viscosity	60 000 mPas /cP
Materials	Nodular cast iron



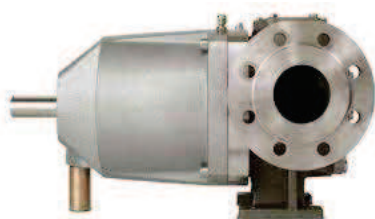
Top Gear TG G - for general purpose heavy duty

Max. capacity	130* m ³ /h (570 GPM)
Max. pressure	16 bar (230 psi)
Max. temp	3000C (5700F)
Max. viscosity	80 000 mPas /cP
Materials:	Cast iron
* Max. 260 m ³ /h (1145 GPM) with SRT on request	



Top Gear TG H - for high demanding heavy duty

Max. capacity	130 m ³ /h (570 GPM)
Max. pressure	16 bar (230 psi)
Max. temp	3000C (5700F)
Max. viscosity	80 000 mPas /cP
Materials	Stainless steel, cast steel, ductile iron



Top Gear MAG - seal-less, with magnetic drive

Max. capacity	80m ³ /h (350 GPM)
Max. pressure	16 bar (230 psi)
Max. temp	2500C (4800F)
Max. viscosity	10 000 mPas /cP
Materials	Cast iron, stainless steel

CENTRIFUGAL PUMPS



CombiBloc - compact close-coupled pump

Max. capacity	850 m ³ /h (3740 GPM)
Max. head	105 m (344 ft)
Max. pressure	10 bar (145 psi)
Max. temp	1200C (2480F)
Max. speed	3600 rpm
Materials	cast iron, bronze, stainless steel



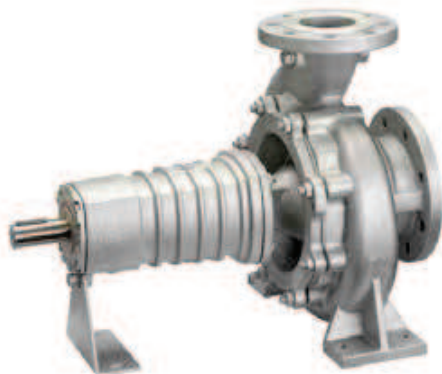
KGE - horizontal, handles gas and particle content

Max. capacity	100 m ³ /h (440 GPM)
Max. head	60 m (197 ft)
Max. pressure	8 bar (116 psi)
Max. temp	950C (2030F)
Max. speed	3600 rpm
Materials:	cast iron



FRE-FLOW - horizontal, handles gas and particle content

Max. capacity	350 m ³ /h (1540 GPM)
Max. head	80 m (262 ft)
Max. pressure	9 bar (131 psi)
Max. temp	950C (2030F)
Max. speed	3600 rpm
Materials:	cast iron, bronze, stainless steel



CombiTherm - specially developed for thermal oil (DIN 4754) and hot water applications (ratings and dimensions to EN 733)

Max. capacity	400 m ³ /h (1761 GPM)
Max. head	160 m (525 ft)
Max. pressure	16 bar (232 psi)
Max. temp	Thermal oil 3500C (6620F)
Hot water	1900C (3740F)
Max. speed	3600 rpm
Materials:	nodular cast iron

Rotary Lobe Pumps

The original design of the rotary lobe pump goes back to the early 30's and has since then been further developed and improved. Johnson Pump has long experience in rotary lobe pumps. Market knowledge and appreciation of customer needs have been used to improve the existing rotary lobe pump concept with new features and customer benefits. Rotary lobe pumps are easy to clean and have gentle product handling characteristics. They contain few cavities, which reduces the risk of bacterial growth and makes them particularly suitable for the transport of sensitive fluids – from glue to whole strawberries.

Feature/Benefits

Rotary lobe pumps are suited for continuous operation and are used in industries such as Dairy, Food and Beverages / Pharmaceutical, Medicine and Bio processing / Chemical /Cosmetics and personal care / Pulp & paper



Top Lobe Plus - hygienic tri-lobe rotors

Max. capacity	124 m3/h (547 GPM)
Max. pressure	10 bar (145 psi)
Max. temp	1000C (2120F)
Max. viscosity	100 000 mPas /cP
Materials	stainless steel (316L)



Top Wing - high hygienic bi-wing & multilobe rotors

Max. capacity	156 m3/h (687 GPM)
Max. pressure	15 bar (218 psi)
Max. temp	1500C (3000F)
Max. viscosity	80 000 mPas / cP
Materials:	stainless steel (316L), duplex



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GESCO is wellknown manufacturing company for standard as well customized oilfield equipment to meet client complex requirements.

GESCO also offers its expertise related to mechanical, electrical & hydraulic field for critical Equipment/components manufacturing and maintenance pertains to wide variety of industrial requirements.

GESCO has its distribution division with ready to deliver inventory that supplies Butterfly & Ball valves, Gate valves, Pressure/Vacuum relief valves, Breather valves, Flow meters, Level indicators, Aero unions, Hammering unions, Swivel joints, Manways, Rigid couplings, Mud pressure gauge, Rubber & Metal expansion joints. Rotary equipment - Centrifugal pumps, Agitator with Motor & shafts etc

Butterfly Valves

Application: A Butterfly Valve that complies with the requirements of the Non corrosive/ Corrosive/Hazardous chemical content requirements like Cement slurry, Water, Fuel, Hydro Chloric Acid, H₂S, Crude oil, etc..

Size: 2" to 36"

Applicable Design: API 609/DIN EN1092/JIS B2032

Type: Wafer/Lugs/Flange

Working Pressure: Maximum up to 10 Bar

Temperature: -40C to 90C

Flange: ASME B16.5/DIN 3230/JIS B2212

Operation: Hand Lever/Worm Gear/Pneumatic Actuator



Hazardous Application



Non Hazardous Application

Unions

- Hammerseal Union
- Air-0-Grip Union & Air Tube
- Hammer Union & Seals
- Special Unions

Manifold Fittings

- Swivel Joints
- Pup Joints
- Hose Loops
- Integral Fittings

Expansion Joints

- Rubber Expansion Joint
- Metal Expansion Joint/ Sleeve Dresser
- Metal Bellows





Oil & Gas Sector

GESCO Pump Solution covers:

- API and ANSI pumps
- Chemical injection pumps/packages & Controls
- Complete integrated packages – DNV + Zone I & II certified skid
- Can convert non-corrosive pump skid suitable for corrosive materials (like Acid, Brine, H₂S etc..)



Marine Industries

GESCO Pump Solution covers:

- Cargo Pumps
- Engine Room Pumps
- Scrubber Pumps
- Ballast Water Pumps



Fire Fighting System

GESCO Pump Solution covers:

- UL Fire Pumps
- Vertical Multistage Jockey Pumps
- Centrifugal End Suction Pumps
- Horizontal Split Case Pumps



Construction System

GESCO Pump Solution covers:

- Drainage & Sewage Pumps
- SS Submersible Pumps
- Self Priming Mud Pumps



Agriculture System

GESCO Pump Solution covers:

- Submersible Motors
- SS Submersible Pumps
- Multistage centrifugal Pumps
- Centrifugal Monoblock Pumps



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