



JOHNSON PUMP
An SPX Process Equipment Operation

SPX Process Equipment

Johnson Pump Industrial pump product overview





Welcome to a World of Pumps

For more than 75 years Johnson Pump, an SPX Process Equipment Operation, has developed, manufactured and marketed pumps for industrial use. This experience and expertise, combined with our wide product range, makes us one of the most reliable pump producers world wide

At Johnson Pump we believe in 'life cycle economy'. Buying a pump is not just a one-off transaction – the pump has to keep running for a long time. Service and maintenance is therefore as important to us as it is to provide our customers with a suitable solution to each and every unique application. Johnson Pump is therefore much more than a pump manufacturer – We are your solution provider!

Johnson Pump's research departments are busy experimenting with new raw materials, refining pumping principles and developing new products. The efforts of our R&D are put into production at our four plants where we assure the quality of our work in accordance with ISO 9001.



With our 13 marketing companies and over 60 independent distributors worldwide we are working closely with you to provide the best solution for your liquid transport needs.

Europe

- Belgium
- Denmark
- Finland
- France
- Germany
- Italy
- the Netherlands
- Norway
- Spain
- Sweden
- Switzerland
- United Kingdom



Australia

India

- Distributors**
- See our web page for a detailed list www.johnson-pump.com

Our pump models include:

Centrifugal pumps

- According to ISO, EN, API
- Multistage
- Magnetic Drive
- Self-priming
- Hygienic

Positive displacement pumps

- Internal Gear pumps
- Rotary Lobe pumps
- Flexible Impeller pumps
- Diaphragm pumps

Johnson Pump industrial pumps can be found in the following segments:

- General Industry
- Chemical
- Petrochemical
- Pharmaceutical
- Food & Beverage
- Pulp & Paper
- Building water services
- Horticulture
- Shipbuilding



Johnson Pump Positive Displacement Pumps

Internal Gear Pumps can be used in all types of manufacturing applications for the transportation of both thin and thick materials, from chocolate to diesel fuel.

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.

Air Operated Double Diaphragm Pumps are used in all types of industries for transporting a wide variety of liquids. Clean or polluted, thin or viscous, abrasive or aggressive.

Impeller Pumps have good suction characteristics and the ability to pump solid particles. Impeller pumps have a wide range of applications in all types of industries.

Johnson Pump supplies you with a full range of documentation depending on need and local regulations:

- ATEX
- 3A
- EHEDG
- FDA, USP VI
- Material traceability & certification 2.1, 2.2 and 3.1
- QHP tests
- Vibration tests
- Noise level tests

Rotary Lobe pumps



TopLobe

hygienic tri-lobe rotary lobe pump
 Max. capacity 125 m³/h
 Max. pressure 22 bar
 Max. temp 70°C
 Max. viscosity 100 000 mPas
 Materials: stainless steel (316L), duplex

TopWing

high hygienic bi-wing rotary lobe pump
 Max. capacity 156 m³/h
 Max. pressure 15 bar
 Max. temp 150°C
 Max. viscosity 80 000 mPas
 Materials: stainless steel (316L), duplex

Flexible Impeller pumps



F-19 12/24V DC

self-priming extra heavy duty bronze flexible impeller pumps
 Max. capacity 55 l/min
 Max. pressure 1.2 bar
 Max. temp 55°C
 Materials: PTMT (thermoplastic polyester) or bronze

FIP & FB

self-priming flexible impeller pumps, industry/hygienic stainless steel and bronze versions
 Max. capacity 37.5 m³/h
 Max. pressure 4 bar
 Max. temp 55°C
 Materials: bronze, stainless steel, polished stainless steel

Air Operated Double Diaphragm pumps



TopAir

self-priming multipurpose peripheral flow AODD pump
 Max. capacity 48 m³/h
 Max. pressure 7 bar
 Max. temp 120°C
 Max. viscosity 10 000 mPas
 Materials: PP, aluminium, cast iron, stainless steel, PTFE, PVDF, PVC

OptiFlo

self-priming multipurpose central flow AODD pump
 Max. capacity 7,8 m³/h
 Max. pressure 7 bar
 Max. temp 85°C
 Max. viscosity 6 000 mPas
 Materials: PP, aluminium

Internal Gear pumps



TopGear TG L

self-priming internal gear pump for low viscosity liquids
 Max. capacity 8 m³/h
 Max. pressure 30 bar
 Max. temp 250°C
 Max. viscosity 60 000 mPas
 Materials: nodular cast iron

TopGear TG G

self-priming internal gear pump for general purpose heavy duty
 Max. capacity 250 m³/h
 Max. pressure 16 bar
 Max. temp 300°C
 Max. viscosity 80 000 mPas
 Materials: cast iron

TopGear TG H

self-priming internal gear pump for high demanding heavy duty
 Max. capacity 130 m³/h
 Max. pressure 16 bar
 Max. temp 300°C
 Max. viscosity 80 000 mPas
 Materials: stainless steel, cast steel, ductile iron

TopGear MAG

self-priming seal-less internal gear pump with magnetic drive
 Max. capacity 80 m³/h
 Max. pressure 16 bar
 Max. temp 250°C
 Max. viscosity 10 000 mPas
 Materials: cast iron, stainless steel

Johnson Pump Centrifugal Pumps



Centrifugal Pumps are the most common and well-established pumps on the market. They come in many different models and can transfer fluids with high efficiency over a wide range of flows and pressures. Johnson Pump offers several series of centrifugal pumps, many of which comply with ISO, DIN and API standards.

Johnson Pump's Combi system is a modular programme of centrifugal pumps with a high degree of interchangeability of parts between the different pump constructions.

The modular design makes it possible to construct many design variants and it also provides a large degree of interchangeability of components between various pump types and even between the different pump families. This, together with the wide range of materials available, makes it easy to supply the correct design for each specific application; allowing customers to be served in an optimal way.

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- Noise level tests

Standardized pumps



CombiNorm

utility or general purpose pump according to EN733
 Max. capacity 1500 m³/h
 Max. head 140 m
 Max. pressure 16 bar (10 bar)
 Max. temp 200° C
 Max. speed 3600 rpm
 Materials: cast iron, nodular cast iron, bronze



CombiChem

heavy duty chemical pump according to ISO5199 and EN22858
 Max. capacity 800 m³/h
 Max. head 160 m
 Max. pressure 16 bar
 Max. temp 200° C
 Max. speed 3600 rpm
 Materials: cast iron, nodular cast iron, bronze, stainless steel

Self-priming pumps



CombiPrime H & V

horizontal & vertical (variable position suction bend) self-priming pump, hydraulics according to EN733
 Max. capacity 500 m³/h (H) 800 m³/h (V)
 Max. head 100 m
 Max. pressure 10 bar
 Max. temp 80° C
 Max. speed 3600 rpm
 Materials: cast iron, bronze



FreFlow

horizontal self-priming pump
 Max. capacity 350 m³/h
 Max. head 80 m
 Max. pressure 9 bar
 Max. temp 95° C
 Max. speed 3600 rpm
 Materials: cast iron, bronze, stainless steel

Seal-less Magnetic Drive pumps



CombiMag

heavy duty seal-less pump according to ISO5199 and EN22858
 Max. capacity 550 m³/h
 Max. head 160 m
 Max. pressure 16 bar
 Max. temp 300° C
 Max. speed 3600 rpm
 Materials: cast iron, nodular cast iron, stainless steel, duplex, Alloy 20, Hastelloy C



CombiMagBloc

heavy duty seal-less close-coupled pump according to ISO5199 and EN22858
 Max. capacity 280 m³/h
 Max. head 140 m
 Max. pressure 16 bar
 Max. temp 200° C
 Max. speed 3600 rpm
 Materials: cast iron, nodular cast iron, stainless steel, duplex, Alloy 20, Hastelloy C

Vertical pumps



CombiFlex, -Universal, -Bloc

vertical pump variable position suction bend, hydraulics according to EN733
 Max. capacity 1500 m³/h
 Max. head 140 m
 Max. pressure 10 bar
 Max. temp 200° C
 Max. speed 3600 rpm
 Materials: cast iron, bronze

Vertical pumps



CombiSump

vertical submersible pump with dry motor EN733, EN22858 and API610
 Max. capacity 1500 m³/h
 Max. head 160 m
 Max. pressure 16 bar (35 bar API610)
 Max. temp 160° C
 Max. speed 3600 rpm
 Materials: cast iron, nodular cast iron, bronze, stainless steel, carbon steel, 13% Cr-steel



CombiPro

heavy duty process pump according to API610
 Max. capacity 350m³/h
 Max. head 160m
 Max. pressure 35bar
 Max. temp 350°C
 Max. speed 3600rpm
 Materials: carbon steel, 13% Cr-steel, stainless steel (316)

Monobloc pumps



CombiBloc

compact close-coupled pump
 Max. capacity 850m³/h
 Max. head 105m
 Max. pressure 10bar
 Max. temp 110°C
 Max. speed 3600rpm
 Materials: cast iron, bronze, stainless steel

Vortex-type pumps



CombiDirt

horizontal or vertical pump utilizing vortex principle, handles gaseous content
 Max. capacity 420m³/h
 Max. head 40m
 Max. pressure 10bar
 Max. temp 80°C
 Max. speed 1800rpm
 Max. free passage 100mm
 Materials: cast iron, nodular cast iron, stainless steel, super duplex



KGE

horizontal self-priming pump
 Max. capacity 100m³/h
 Max. head 60m
 Max. pressure 8bar
 Max. temp 95°C
 Max. speed 3600rpm
 Materials: cast iron

Multistage pumps



MCH & MCV

horizontal & vertical multistage centrifugal pumps
 Max. capacity 100m³/h
 Max. head 340m
 Max. pressure 40bar
 Max. temp 150°C(MCH) 120°C(MCV)
 Max. speed 3600rpm
 Materials: cast iron, bronze



MCHZ

horizontal self-priming multistage centrifugal pump
 Max. capacity 100m³/h
 Max. head 340m
 Max. pressure 40bar
 Max. temp 120°C
 Max. speed 3600rpm
 Materials: cast iron



MDR

PP/PVDF seal-less pump
 Max. capacity 30m³/h
 Max. head 24m
 Max. pressure 3bar
 Max. temp 100°C
 Max. speed 2800rpm
 Materials: PP, PVDF

InLine pumps



CombiLine

InLine close-coupled circulation pump on extended shaft motor
 Max. capacity 500m³/h
 Max. head 26m
 Max. pressure 10bar
 Max. temp 140°C
 Max. speed 1800rpm
 Materials: cast iron



CombiLineBloc

InLine close-coupled circulation pump on stub shaft to IEC motor
 Max. capacity 450m³/h
 Max. head 100m
 Max. pressure 10bar
 Max. temp 120°C
 Max. speed 3600rpm
 Materials: cast iron, bronze



CombiWell

vertical submersible pump with dry motor for paint/solvent degreasing spray units
 Max. capacity 300m³/h
 Max. head 45m
 Max. pressure 10bar
 Max. temp 80°C
 Max. speed 3000rpm
 Materials: cast iron, stainless steel

Hygienic pumps



TopClean AS

hygienic, self-priming liquid-ring pump
 Max. capacity 55m³/h
 Max. head 60m
 Max. pressure 3bar
 Max. temp 100°C
 Max. speed 1800rpm
 Max. suction height 8m
 Materials: stainless steel (316L)



TopClean CS/CSA

high hygienic centrifugal pump
 Max. capacity 575m³/h
 Max. head 100m
 Max. pressure 10bar
 Max. temp 190°C
 Max. speed 3500rpm
 Materials: stainless steel (316L)