



Johnson Pump

Industrial pump product overview





Welcome to a World of Pumps

For more than 75 years Johnson Pump brand pumps have been developed, manufactured and marketed 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 SPX Process Equipment 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. SPX is therefore much more than a Johnson Pump brand manufacturer – We are your solution provider!

SPX Process Equipment'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 plants where we assure the quality of our work in accordance with ISO 9001.



With our worldwide network of SPX affiliates and independent distributors 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



Africa

Asia

Australia

India

USA

Distributors

- See our web page for a detailed list www.johnson-pump.com, www.spxpe.com

Our Johnson Pump brand 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



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Johnson Pump Positive Displacement Pumps

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.

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.

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.

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.

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 rotors

TopWing
 high hygienic bi-wing & multilobe rotors

Max. capacity	125 m ³ /h	Max. capacity	156 m ³ /h
Max. pressure	22 bar	Max. pressure	15 bar
Max. temp	70 °C	Max. temp	150 °C
Max. viscosity	100 000 mPas	Max. viscosity	80 000 mPas
Materials:	stainless steel (316L), duplex	Materials:	stainless steel (316L), duplex

Flexible Impeller pumps

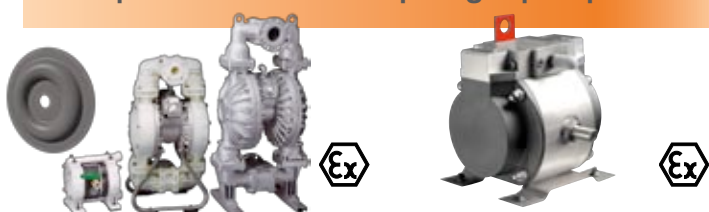


F-19 12/24V DC
 self-priming extra heavy duty bronze pumps

FIP & FB
 self-priming pumps, industry/hygienic stainless steel and bronze versions

Max. capacity	55 l/min	Max. capacity	37.5 m ³ /h
Max. pressure	1.2 bar	Max. pressure	4 bar
Max. temp	55 °C	Max. temp	55 °C
Materials:	PTMT (thermoplastic polyester) or bronze	Materials:	bronze, stainless steel, polished stainless steel

Air Operated Double Diaphragm pumps



TopAir
 self-priming multipurpose pump with peripheral flow

OptiFlo
 self-priming multipurpose pump with central flow

Max. capacity	48 m ³ /h	Max. capacity	27 m ³ /h
Max. pressure	7 bar	Max. pressure	7 bar
Max. temp	120 °C	Max. temp	85 °C
Max. viscosity	10 000 mPas	Max. viscosity	6 000 mPas
Materials:	PP, aluminium, cast iron, stainless steel, PTFE, PVDF, PVC	Materials:	PP, aluminium, stainless steel

Internal Gear pumps, self-priming



TopGear TG L
 for low viscosity liquids

TopGear TG G
 for general purpose heavy duty

TopGear TG H
 for high demanding heavy duty

TopGear MAG
 seal-less, with magnetic drive

Max. capacity	8 m ³ /h	Max. capacity	250 m ³ /h	Max. capacity	130 m ³ /h	Max. capacity	80 m ³ /h
Max. pressure	30 bar	Max. pressure	16 bar	Max. pressure	16 bar	Max. pressure	16 bar
Max. temp	250 °C	Max. temp	300 °C	Max. temp	300 °C	Max. temp	250 °C
Max. viscosity	60 000 mPas	Max. viscosity	80 000 mPas	Max. viscosity	80 000 mPas	Max. viscosity	10 000 mPas
Materials:	nodular cast iron	Materials:	cast iron	Materials:	stainless steel, cast steel, ductile iron	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 brand offers several series of centrifugal pumps, many of which comply with ISO, DIN and API standards.

Johnson Pump brand'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.

SPX supplies you with a full range of documentation for our pumps:

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

Standardized pumps



CombiNorm

utility or general purpose pump according to EN 733

Max. capacity	1500 m ³ /h
Max. head	100 m
Max. pressure	10 bar
Max. temp	200 °C
Max. speed	3600 rpm
Materials:	cast iron, nodular cast iron, bronze



CombiChem

heavy duty chemical pump according to ISO 5199 and EN 22858

Max. capacity	800 m ³ /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), hydraulics according to EN733

Max. capacity	500 m ³ /h (H) 800 m ³ /h (V)
Max. head	100 m
Max. pressure	10 bar
Max. temp	80 °C
Max. speed	3600 rpm
Materials:	cast iron, bronze



FreFlow

horizontal, handles gas and particle content

Max. capacity	350 m ³ /h
Max. head	80 m
Max. pressure	9 bar
Max. temp	95 °C
Max. speed	3600 rpm
Materials:	cast iron, bronze, stainless steel

Magnetic Drive pumps



CombiMag

heavy duty seal-less pump according to ISO 5199 and EN 22858

Max. capacity	550 m ³ /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 ISO 5199 and EN 22858

Max. capacity	280 m ³ /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

variable position suction bend, hydraulics according to EN733

Max. capacity	1500 m ³ /h
Max. head	140 m
Max. pressure	10 bar
Max. temp	200 °C
Max. speed	3600 rpm
Materials:	cast iron, bronze

Submersible pumps



CombiSump

vertical pump with dry motor EN 733, EN 22858 and API 610

Max. capacity	1500 m ³ /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

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Monobloc pumps



CombiPro

heavy duty process pump according to API610, API682 and API685

Max. capacity	350 m ³ /h
Max. head	160 m
Max. pressure	35 bar
Max. temp	350 °C
Max. speed	3600 rpm
Materials:	carbon steel, 13% Cr-steel, stainless steel (316)



CombiBloc

compact close-coupled pump

Max. capacity	850 m ³ /h
Max. head	105 m
Max. pressure	10 bar
Max. temp	120 °C
Max. speed	3600 rpm
Materials:	cast iron, bronze, stainless steel

Vortex-type pumps



CombiDirt

horizontal or vertical pump utilizing vortex principle, handles particles and gaseous content

Max. capacity	420 m ³ /h
Max. head	40 m
Max. pressure	10 bar
Max. temp	80 °C
Max. speed	1800 rpm
Max. free passage	100 mm
Materials:	cast iron, nodular cast iron, stainless steel, super duplex

Multistage pumps



KGE

horizontal, handles gas and particle content

Max. capacity	100 m ³ /h
Max. head	60 m
Max. pressure	8 bar
Max. temp	95 °C
Max. speed	3600 rpm
Materials:	cast iron



MCH & MCV

horizontal & vertical

Max. capacity	100 m ³ /h
Max. head	340 m
Max. pressure	40 bar
Max. temp	150 °C (MCH)
Max. speed	3600 rpm
Materials:	cast iron, bronze



MCHZ

horizontal, self-priming

Max. capacity	100 m ³ /h
Max. head	340 m
Max. pressure	40 bar
Max. temp	120 °C
Max. speed	3600 rpm
Materials:	cast iron

InLine pumps



MDR

Close-coupled seal-less pump

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



CombiLine

close-coupled circulation pump on extended shaft motor

Max. capacity	500 m ³ /h
Max. head	35 m
Max. pressure	10 bar
Max. temp	140 °C
Max. speed	1800 rpm
Materials:	cast iron



CombiLineBloc

close-coupled circulation pump on stub shaft to IEC motor

Max. capacity	450 m ³ /h
Max. head	100 m
Max. pressure	10 bar
Max. temp	120 °C
Max. speed	3600 rpm
Materials:	cast iron, bronze

Hygienic pumps



CombiWell

vertical pump with dry motor for paint/solvent degreasing spray units

Max. capacity	300 m ³ /h
Max. head	45 m
Max. pressure	10 bar
Max. temp	80 °C
Max. speed	3000 rpm
Materials:	cast iron, stainless steel



TopClean AS

self-priming liquid-ring pump

Max. capacity	55 m ³ /h
Max. head	60 m
Max. pressure	3 bar
Max. temp	100 °C
Max. speed	1800 rpm
Materials:	stainless steel (316L)



TopClean CS/CSA

high hygienic or aseptic

Max. capacity	575 m ³ /h
Max. head	100 m
Max. pressure	10 bar
Max. temp	190 °C
Max. speed	3500 rpm
Materials:	stainless steel (316L)