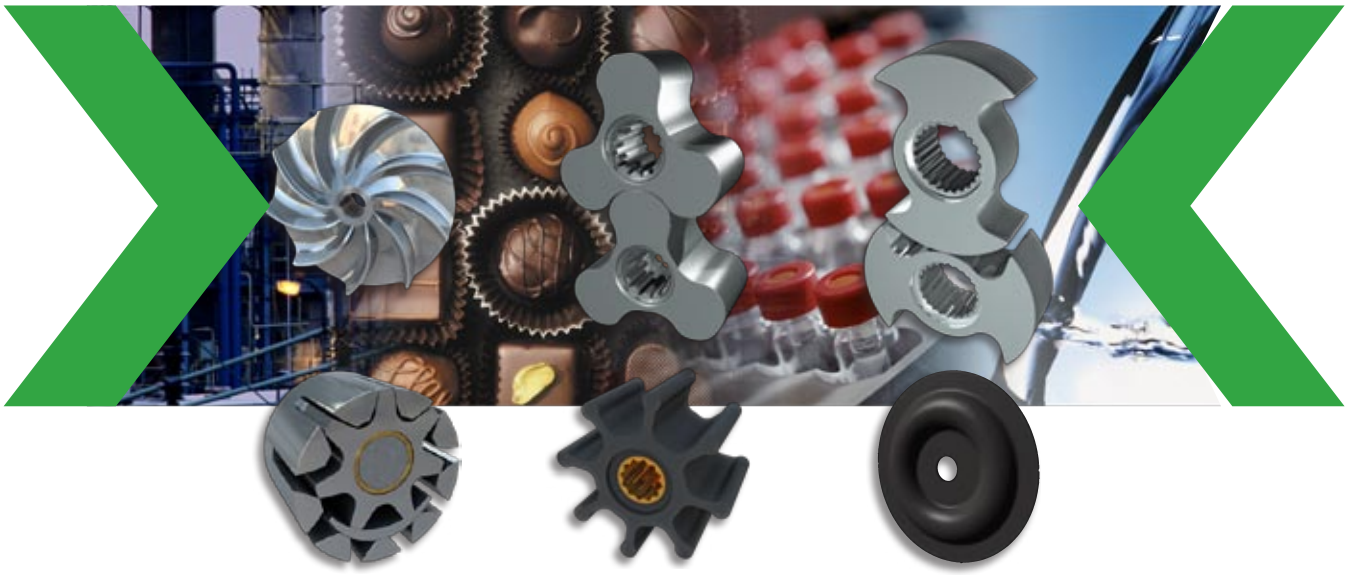
JOHNSON PUMP
AN SPX BRAND

Johnson Pump

Industrial pump product overview



SPX®

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 tranport 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.

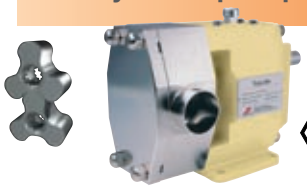
Air Operated Double Diaphragm Pumps are used in all types of industries for transporting a wide variety of liquids. Clean or polluted, thin or viscous, abrasive or aggressive.

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:

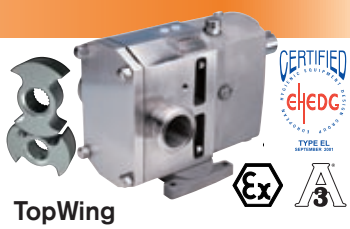
- ATEX
- 3A
- EHEDG
- FDA, USP VI
- Material traceability & certification 2.1, 2.2 and 3.1
- QHP tests
- Vibration tests
- Noise level tests

Rotary Lobe pumps



TopLobe
hygienic tri-lobe rotors

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 & multilobe rotors

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 12/24 V DC
self-priming extra heavy duty bronze 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 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 pump with peripheral flow

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 pump with central flow

Max. capacity	27 m³/h
Max. pressure	7 bar
Max. temp	85° C
Max. viscosity	6 000 mPas
Materials:	PP, aluminium, stainless steel

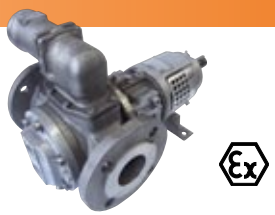
Internal Gear pumps, self-priming

TopGear TG L
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

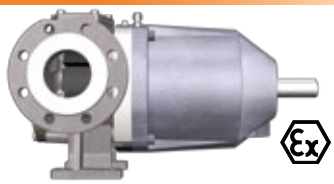
TopGear TG G
for general purpose heavy duty

Max. capacity	250 m³/h
Max. pressure	16 bar
Max. temp	300° C
Max. viscosity	80 000 mPas
Materials:	cast iron



TopGear TG H
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
seal-less, 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 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
- QHP tests
- 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	

Monobloc pumps

Vortex-type 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	

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, handels 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) 120°C(MCV)	
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)	

SPX®

PROCESS EQUIPMENT

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