Welcome to a World of Pumps

For more than 75 years SPX FLOW 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 worldwide.

At SPX FLOW 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 FLOW is therefore much more than a SPX FLOW Johnson Pump brand manufacturer – We are your solution provider!

SPX FLOW Johnson Pump brand models

**CENTRIFUGAL PUMPS**
- According to ISO, EN, API
- Multistage
- Magnetic Drive
- Self-priming

**POSITIVE DISPLACEMENT PUMPS**
- Internal Gear pumps
- Rotary Lobe pumps
- Flexible Impeller pumps
- Diaphragm pumps

**QUALITY**

SPX FLOW’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.

Based in Charlotte, North Carolina, SPX FLOW (NYSE: FLOW) is a multi-industry manufacturing company with operations in more than 35 markets worldwide. SPX FLOW’s innovative, world-class products and highly-engineered solutions are helping to meet the needs of a constantly developing world and growing global population. You’ll find our innovative solutions in everything from dairy plants and power plants to oil and gas pipelines, and the power grid. SPX FLOW is really everywhere you look.

We help our customers around the globe expand and enhance their food and beverage, power and energy and industrial production processes. For more information, please visit www.spxflow.com

**WORLDWIDE DISTRIBUTION**

With our worldwide network of SPX FLOW 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**

**Americas**

**Asia**

**Australia**

**India**

**Middle East**

Distributors
- See our web page for a detailed list www.johnson-pump.com, www.spxflow.com
It's all about Finding Solutions

Every customer’s process is in some way unique; it’s that something extra that places you ahead of all the rest. Your unique process may require a non-standard solution. We here at SPX FLOW are keen listeners to the special requirements of our customers. With our wide range of SPX FLOW Johnson Pump brand standard product offerings to build on we can offer that little extra in the form of materials and design solutions to keep you ahead.

From our sales, support and application personnel to R&D, we pride ourselves in working together with you on an affordable, working solution for your special needs. In addition to pumps, through SPX FLOW you will have access to a variety of flow technologies; from valves and mixers to heat exchangers and entire systems.

Contact your local SPX FLOW Johnson Pump brand representative for an investment in your future today!

**ABRASION RESISTANT COATINGS**
Lime slurries, paper fillers, dirty sump water and the like can unnecessarily wear out a pump. Coatings such as Wolfram or plasma nitriding on pump housing, rotors and impellers can greatly increase the service life of your pumps.

**NOISE REDUCTION**
With a specially designed impeller we were able to reduce noise levels in tank farm applications where large numbers of our FreFlow self-priming centrifugal pumps are in use.

**SAFE HANDLING OF HOT WATER**
For a hospital hot water recirculation project we combined a modified pump casing with externally mounted heat exchanger on the mechanical seal to ensure reliable, safe operation.

**ULTRA PURE WATER TREATMENT PLANT**
SPX FLOW collaborated with the plant owners on the design of pressure pumps to be used in reverse osmosis in an innovative enterprise where waste water is purified and used as steam injection for residual oil extraction from mature oil fields.

**IMPROVED FLOW CHARACTERISTICS**
Development of new multilobe rotors for uniform flow of sausage meats and even less pulsation and resonance in the pipeworks when pumping thin liquids.
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. SPX FLOW Johnson Pump brand offers several series of centrifugal pumps, many of which comply with ISO, DIN and API standards.

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

- ATEX
- Material traceability & certification 2.1, 2.2 and 3.1
- QHP tests
- Vibration tests
- Noise level tests
CombiPro — heavy duty process pump according to API610, API682 and API685
Max. capacity: 350 m³/h (1540 GPM)
Max. head: 160 m (525 ft)
Max. pressure: 35 bar (508 psi)
Max. temp: 350°C (662°F)
Max. speed: 3600 rpm
Materials: carbon steel, 13% Cr-steel, stainless steel (316)

CombiBloc — compact close-coupled pump
Max. capacity: 850 m³/h (3740 GPM)
Max. head: 105 m (344 ft)
Max. pressure: 10 bar (145 psi)
Max. temp: 120°C (248°F)
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 m³/h (1850 GPM)
Max. head: 40 m (130 ft)
Max. pressure: 10 bar (145 psi)
Max. temp: 80°C (176°F)
Max. speed: 3600 rpm
Max. free passage: 100 mm (3.94")
Materials: cast iron, nodular cast iron, stainless steel, super duplex

Multistage pumps

KGE — horizontal, handels gas and particle content
Max. capacity: 100 m³/h (440 GPM)
Max. head: 60 m (197 ft)
Max. pressure: 8 bar (116 psi)
Max. temp: 95°C (203°F)
Max. speed: 3600 rpm
Materials: cast iron

MCH & MCV — horizontal & vertical
Max. capacity: 100 m³/h (440 GPM)
Max. head: 340 m (1120 ft)
Max. pressure: 40 bar (580 psi)
Max. temp: 150°C (302°F) [MCH]
Max. speed: 3600 rpm
Materials: cast iron

MCHZ — horizontal, self-priming
Max. capacity: 100 m³/h (440 GPM)
Max. head: 340 m (1120 ft)
Max. pressure: 40 bar (580 psi)
Max. temp: 120°C (248°F)
Max. speed: 3600 rpm
Materials: cast iron

InLine pumps

MDR — Close-coupled seal-less pump
Max. capacity: 30 m³/h (130 GPM)
Max. head: 24 m (78 ft)
Max. pressure: 3 bar (43 psi)
Max. temp: 100°C (212°F)
Max. speed: 2800 rpm
Materials: PP, PVDF

CombiLine — close-coupled circulation pump on extended shaft motor
Max. capacity: 500 m³/h (2200 GPM)
Max. head: 35 m (115 ft)
Max. pressure: 10 bar (145 psi)
Max. temp: 140°C (284°F)
Max. speed: 1800 rpm
Materials: cast iron

CombiLineBloc — close-coupled circulation pump on stub shaft to IEC motor
Max. capacity: 450 m³/h (1980 GPM)
Max. head: 100 m (328 ft)
Max. pressure: 10 bar (145 psi)
Max. temp: 120°C (248°F)
Max. speed: 3600 rpm
Materials: cast iron, bronze

Vertical pumps

CombiFlex, -Universal, -Bloc — variable position suction bend, hydraulics according to EN733
Max. capacity: 1500 m³/h (6600 GPM)
Max. head: 160 m (525 ft)
Max. pressure: 25 bar (363 psi)
Max. temp: 200°C (392°F)
Max. speed: 3600 rpm
Materials: cast iron, nodular cast iron, bronze, stainless steel

CombiSump — vertical pump with dry motor EN733, EN22858 and API610
Max. capacity: 1500 m³/h (6600 GPM)
Max. head: 160 m (525 ft)
Max. pressure: 16 bar (232 psi)
Max. temp: 160°C (320°F)
Max. speed: 3600 rpm
Materials: cast iron, nodular cast iron, bronze, stainless steel, carbon steel, 13% Cr-steel

Submersible pumps

CombiWell — vertical pump with dry motor for paint/solvent degreasing spray units
Max. capacity: 300 m³/h (1230 GPM)
Max. head: 45 m (148 ft)
Max. pressure: 10 bar (145 psi)
Max. temp: 80°C (176°F)
Max. speed: 3000 rpm
Materials: cast iron, stainless steel
Protect your valuable process equipment from debris damage

A filter with appropriate strainer upstream from your equipment can effectively protect your investments from potentially damaging solids. Downstream a filter can ensure product homogeneity and recover valuable solids. **TopFilter** is our range of single and dual filters for cost-effective protection of pipeline equipment, liquid cleaning or salvaging valuable solids.

**Single filters** for applications where the flow can be temporarily shut down for cleaning of the filter basket.

**Dual filters** for applications requiring uninterrupted flow with minimal loss of pressure. The flow is diverted to a second basket while the first basket is cleaned.

**Multiple basket filters** are of a space saving construction, providing a large filter area with low pressure drops in a compact, easy to service unit.

Mesh sizes 20–300 mesh, pleated elements giving filtration down to 10µm are also available.

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**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.

SPX FLOW 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

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**F-19 12/24 V DC**

self-priming extra heavy duty bronze pumps

- Max. capacity: 55l/min (14.5 GPM)
- Max. pressure: 1.2 bar (17.4 psi)
- Max. temp: 55°C (130°F)
- Materials: PTMT (thermoplastic polyester) or bronze

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**TopGear TG L**

for low viscosity liquids

- Max. capacity: 8 m³/h (35 GPM)
- Max. pressure: 25 bar (3635 psi)
- Max. temp: 250°C (480°F)
- Max. viscosity: 60 000 mPas / cP
- Materials: nodular cast iron
**TopLobe**

Hygienic tri-lobe rotors

- **Max. capacity**: 124 m³/h (547 GPM)
- **Max. pressure**: 10 bar (145 psi)
- **Max. temp**: 100°C (212°F)
- **Max. viscosity**: 100,000 mPas / cP
- **Materials**: Stainless steel (316L)

**TopLobe**

Hygienic tri-lobe rotors

- **Max. capacity**: 125 m³/h (550 GPM)
- **Max. pressure**: 22 bar (319 psi)
- **Max. temp**: 70°C (158°F)
- **Max. viscosity**: 100,000 mPas / cP
- **Materials**: Stainless steel (316L), duplex

**TopWing**

High hygienic bi-wing & multilobe rotors

- **Max. capacity**: 156 m³/h (687 GPM)
- **Max. pressure**: 16 bar (238 psi)
- **Max. temp**: 150°C (300°F)
- **Max. viscosity**: 80,000 mPas / cP
- **Materials**: Stainless steel (316L), duplex

**TopLobe Plus**

Hygienic tri-lobe rotors

- **Max. capacity**: 250 m³/h (912 GPM)
- **Max. pressure**: 22 bar (319 psi)
- **Max. temp**: 70°C (158°F)
- **Max. viscosity**: 100,000 mPas / cP
- **Materials**: Stainless steel (316L)

**TopAir**

Self-priming multipurpose pump with peripheral flow

- **Max. capacity**: 48 m³/h (211 GPM)
- **Max. pressure**: 7 bar (102 psi)
- **Max. temp**: 120°C (248°F)
- **Max. viscosity**: 10,000 mPas / cP
- **Materials**: PP, aluminium, cast iron, stainless steel, PTFE, PVDF, PVC

**OptiFlo**

Self-priming multipurpose pump with central flow

- **Max. capacity**: 8 m³/h (36 GPM)
- **Max. pressure**: 7 bar (102 psi)
- **Max. temp**: 85°C (185°F)
- **Max. viscosity**: 6,000 mPas / cP
- **Materials**: PP, aluminium, stainless steel

**FIP & FB**

Self-priming pumps, industry / hygienic stainless steel and bronze versions

- **Max. capacity**: 375 m³/h (165 GPM)
- **Max. pressure**: 4 bar (58 psi)
- **Max. temp**: 55°C (130°F)
- **Materials**: Bronze, stainless steel, polished stainless steel

**TopFilter**

Filters and strainers

**TopFilter TFOV**

Single filter

- **Pipe sizes**: 20 – 150 mm (¾” – 6”)
- **Max. pressure**: 50 bar (725 psi)
- **Connections**: BSP, NPT, Flange: BS10, BS4504, ANSI, DIN, 200°C (392°F)
- **Materials**: Cast iron, cast steel, gunmetal, stainless steel

**TopFilter TFOVM**

Single, multibasket filter

- **Pipe sizes**: 200 – 250 mm (8” – 10”)
- **Max. pressure**: 138 bar (2000 psi)
- **Connections**: BSP, NPT, Flange: BS10, BS4504, ANSI, DIN, 200°C (392°F)
- **Materials**: Cast iron, cast steel, gunmetal, stainless steel

**TopFilter TFOW**

Dual filter

- **Pipe sizes**: 20 – 200 mm (¾” – 8”)
- **Max. pressure**: 50 bar (725 psi)
- **Connections**: BSP, NPT, Flange: BS10, BS4504, ANSI, DIN, 200°C (392°F)
- **Materials**: Cast iron, cast steel, gunmetal, stainless steel
Your local contact:

www.spxflow.com/johnson-pump/where-to-buy

For more information about our worldwide locations, approvals, certifications, and local representatives, please visit www.spxflow.com.

SPX FLOW, Inc. reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing.