Keeping You Pumping

For more than 75 years, we have been designing and manufacturing industrial pumps. Our experience combined with our wide products portfolio enables us to provide you a pump you can rely on.

Buying a pump from us is just not a one-off transaction - the pump has to keep running for a long time. Therefore, providing our customers service and maintenance throughout a pump’s service life is important.

We don’t aim to be a pump manufacturer, but your solution provider.

It’s All about Finding Your Solution

Your process is unique. It’s that something extra that places you ahead of all the rest. If you require a non-standard solution, we will collaborate with you to meet your special requirements. With our wide range of Johnson Pump standard products to build on we can customize a solution with little additional design work needed to keep you ahead.

From R&D to sales and support, we’ll work with you on an affordable solution to meet your needs. In addition to pumps, we also have a variety of flow technologies including valves, mixer, heat exchangers and entire processing systems.

Johnson Pump 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
**ABRASION RESISTANT COATINGS**
Lime slurries, paper fillers, dirty sump water and the like can unnecessarily wear out a pump. Surface treatment like tungsten carbide HVOF coating on pump casing parts and rotors 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**
On circulation pumps for a hospital heating system we combined a modified pump casing with and externally mounted heat exchanger.

**ULTRA PURE WATER TREATMENT PLANT**
We 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

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. We 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 you to be served in an optimal way.

We supply you with a full range of documentation for our pumps:

- ATEX
- Material traceability and certification 2.1, 2.2 and 3.1
- QHP tests
- Vibration tests
- Noise level tests

### Standardized Pumps

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. capacity</th>
<th>Max. head</th>
<th>Max. pressure</th>
<th>Max. temp</th>
<th>Max. speed</th>
<th>Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>CombiNorm</td>
<td>1500 m³/h (6600 GPM)</td>
<td>160 m (525 ft)</td>
<td>16 bar (232 psi)</td>
<td>200 °C (392 °F)</td>
<td>3600 rpm</td>
<td>cast iron, nodular cast iron, bronze</td>
</tr>
<tr>
<td>CombiChem</td>
<td>800 m³/h (3520 GPM)</td>
<td>160 m (525 ft)</td>
<td>16 bar (232 psi)</td>
<td>200 °C (392 °F)</td>
<td>3600 rpm</td>
<td>cast iron, nodular cast iron, bronze, stainless steel</td>
</tr>
<tr>
<td>CombiPrime h &amp; V</td>
<td>500 m³/h (2200 GPM)</td>
<td>100 m (328 ft)</td>
<td>10 bar (145 psi)</td>
<td>80 °C (176 °F)</td>
<td>3600 rpm</td>
<td>cast iron, bronze</td>
</tr>
<tr>
<td>FreFlow</td>
<td>350 m³/h (1540 GPM)</td>
<td>80 m (262 ft)</td>
<td>9 bar (131 psi)</td>
<td>95 °C (203 °F)</td>
<td>3600 rpm</td>
<td>cast iron, bronze, stainless steel</td>
</tr>
<tr>
<td>KGE</td>
<td>100 m³/h (440 GPM)</td>
<td>60 m (197 ft)</td>
<td>8 bar (116 psi)</td>
<td>95 °C (203 °F)</td>
<td>3600 rpm</td>
<td>cast iron</td>
</tr>
</tbody>
</table>

### Thermal Oil/Hot Water Pumps

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. capacity</th>
<th>Max. head</th>
<th>Max. pressure</th>
<th>Max. temp</th>
<th>Max. speed</th>
<th>Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>CombiTherm</td>
<td>400 m³/h (1761 GPM)</td>
<td>160 m (525 ft)</td>
<td>16 bar (232 psi)</td>
<td>Thermal oil 350 °C (662 °F)</td>
<td>3600 rpm</td>
<td>nodular cast iron</td>
</tr>
<tr>
<td>KGe</td>
<td>100 m³/h (440 GPM)</td>
<td>60 m (197 ft)</td>
<td>8 bar (116 psi)</td>
<td>95 °C (203 °F)</td>
<td>3600 rpm</td>
<td>cast iron</td>
</tr>
</tbody>
</table>
**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)

**MonoBloc Pumps**

**CombiBloc**
compact close-coupled pump, standard IEC flange motor
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

**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)

**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

**Submersible Pumps**

**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 [35 bar (508 psi) API610]
Max. speed 3600 rpm
Materials cast iron, nodular cast iron, bronze, stainless steel, carbon steel, 13% Cr-steel

**InLine Pumps**

**CombiBlocHorti**
compact close-coupled pump, impeller mounted directly on extended motor shaft
Max. capacity 700 m³/h (3082 GPM)
Max. head 38 m (125 ft)
Max. pressure 10 bar (145 psi)
Max. temp 140 °C (284 °F)
Max. speed 3600 rpm
Materials cast iron, bronze, stainless steel

**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

**MultiStage Pumps**

**MCV**
vertical configuration
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)
Max. speed 3600 rpm
Materials cast iron, bronze

**MCH**
horizontal configuration
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)
Max. speed 3600 rpm
Materials cast iron, bronze

**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
### 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
are used in a wide range of applications pumping thin liquids like fuels and oils up to high viscous media like polymers, bitumen and chocolate.

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**Internal Gear Pumps, Close-Coupled**

<table>
<thead>
<tr>
<th></th>
<th><strong>TopGear L</strong></th>
<th><strong>TopGear BLOC</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>for low viscous liquids</td>
<td>for low and medium viscous liquids</td>
</tr>
<tr>
<td>Max. capacity</td>
<td>8 m³/h (35 GPM)</td>
<td>50 m³/h (220 GPM)</td>
</tr>
<tr>
<td>Max. pressure</td>
<td>25 bar (3635 psi)</td>
<td>16 bar (230 psi)</td>
</tr>
<tr>
<td>Max. temp</td>
<td>250°C (480°F)</td>
<td>180°C (356°F)</td>
</tr>
<tr>
<td>Max. viscosity</td>
<td>60,000 mPas/cP</td>
<td>7 500 mPas/cP</td>
</tr>
<tr>
<td>Materials</td>
<td>nodular cast iron</td>
<td>cast iron, stainless steel</td>
</tr>
</tbody>
</table>

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We supply you with a full range of documentation depending on need and local regulations:

- ATEX
- 3A
- EHEDG
- FDA, USP VI
- Material Traceability and Certification 2.1, 2.2 and 3.1
- QHP Tests
- Vibration Tests
- Noise Level Tests
**Rotary Lobe Pumps**

**TopLobePlus**
hygienic tri-lobe rotors

- Max. capacity: 82 m³/h (316 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: 15 bar (218 psi)
- Max. temp: 150°C (300°F)
- Max. viscosity: 80 000 mPas / cP
- 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 (14.5 GPM)
- Max. pressure: 1.2 bar (17.4 psi)
- Max. temp: 55°C (130°F)
- Materials: PTMT (thermoplastic polyester) or bronze

**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

**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

**Internal Gear Pumps, Long-Coupled**

**TopGear G**
for general purpose heavy duty

- Max. capacity: 130 m³/h (570 GPM)
- Max. pressure: 16 bar (230 psi)
- Max. temp: 300°C (570°F)
- Max. viscosity: 80 000 mPas / cP
- Materials: cast iron
- *Max. 260 m³/h (1145 GPM) with SRT on request*

**TopGear H**
for high demanding heavy duty

- Max. capacity: 130 m³/h (570 GPM)
- Max. pressure: 16 bar (230 psi)
- Max. temp: 300°C (570°F)
- Max. viscosity: 80 000 mPas / cP
- Materials: stainless steel, cast steel, ductile iron

**TopGear MAG**
seal-less, with magnetic drive

- Max. capacity: 80 m³/h (350 GPM)
- Max. pressure: 16 bar (230 psi)
- Max. temp: 250°C (480°F)
- Max. viscosity: 10 000 mPas / cP
- Materials: cast iron, stainless steel
Based in Charlotte, N.C., SPX FLOW, Inc. (NYSE: FLOW) improves the world through innovative and sustainable solutions. The company’s product offering is concentrated in process technologies that perform mixing, blending, fluid handling, separation, thermal heat transfer and other activities that are integral to processes performed across a wide variety of nutrition, health and industrial markets. SPX FLOW had approximately $1.4 billion in 2020 annual revenues and has operations in more than 30 countries and sales in more than 140 countries. To learn more about SPX FLOW, please visit www.spxflow.com.

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