

# Flygt 2700-series

Corrosion resistant dewatering pumps



*Engineered for life*



# When the extreme is the ordinary



Mines, power stations, paper industries, steel mills, and chemical industries. These are typical examples of environments in which corrosive or abrasive liquids expose pumps to extra high demands. They are sometimes also combined with great and unpredictable changes in pH levels.

This is something that we have taken into account in the development of the Flygt 2700 series. The quality is as high as ever when you choose a pump from ITT Water & Wastewater. What is special is that the entire pump is made of stainless steel. This offers greater durability

in environments with extreme pH levels, and reduces the risk of unplanned interruptions in your operations due to pump failure. Greater durability also means that repair costs can be kept down. The fact that the Flygt 2700 series is also available as drainage and solids handling pumps gives you a more flexible offer for creating the most optimal dewatering solution possible.

So why complicate things? With a Flygt 2700 pump, you are on the right track from the start.







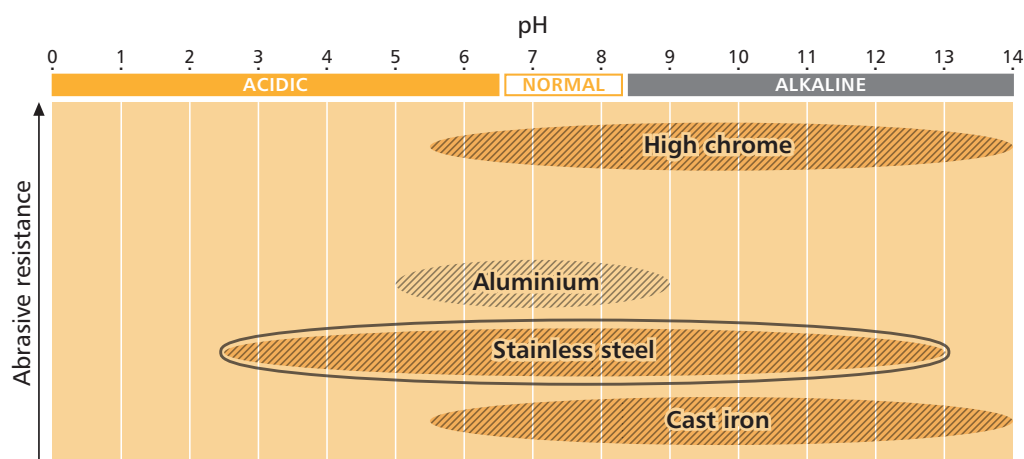
# Stainless steel when nothing else helps

Aluminium, cast iron, and pumps with a corrosion-protective coating work poorly in corrosive environments. The material corrodes quickly and the coating seldom seals completely. Furthermore, maintenance of the corrosion-protective coating is very time consuming and expensive.

With our Flygt 2700 series, you needn't worry about things like this. The stainless steel design enables the pumps to handle advanced drainage jobs in environments

where pH levels are unpredictable and varying – from very acidic to very alkaline. You get optimal protection against all types of corrosion, even in exposed areas such as connections, and between the different parts of the pump.

It is not the resistance to corrosion that is most important, but rather what this results in: trouble-free operation, reliability, and continuity.



ITT Water & Wastewater has pumps for many different needs and applications. The pumps in the Flygt 2700 series are specially adapted to dewatering applications in environments with extreme pH levels.





# Highest quality throughout

Corrosion protection is the greatest advantage of the Flygt 2700 series – but far from the only one. All of the pumps have a well-engineered design that makes them reliable and easy to use.

Take, for instance, the uniform design – which incorporates a minimum of components – and makes each pump robust, easy to handle, and keeps down the cost of spare parts handling. Thanks to its slim profile, it fits easily into confined spaces and can be moved easily when necessary. A convenient ring-shaped handle offers good manoeuvrability during installation, and serves as a sturdy stand when you invert the pump for service. All of this provides you with problem-free operation and a cost efficient dewatering solution.

The illustration to the right offers further proof that the Flygt 2700 series has the highest quality throughout.



**Ring-shaped handle**

Designed for good manoeuvrability. Also works as a sturdy stand during maintenance.

**Turnable outlet**

Vertical or horizontal outlet connection.

**Motor**

Short-circuited, high-performance motor in insulation class F(+155°C) for submersible operation that allows 15 starts per hour. The stator housing is stainless steel and has three integrated thermo-sensors.

**Stainless steel impeller**

Tailored to work efficiently, and for a long time, in extreme environments.

**Removable junction box cover**

Makes it easier to access the pump's electrical components.

**Corrosion and impact resistant outer casing**

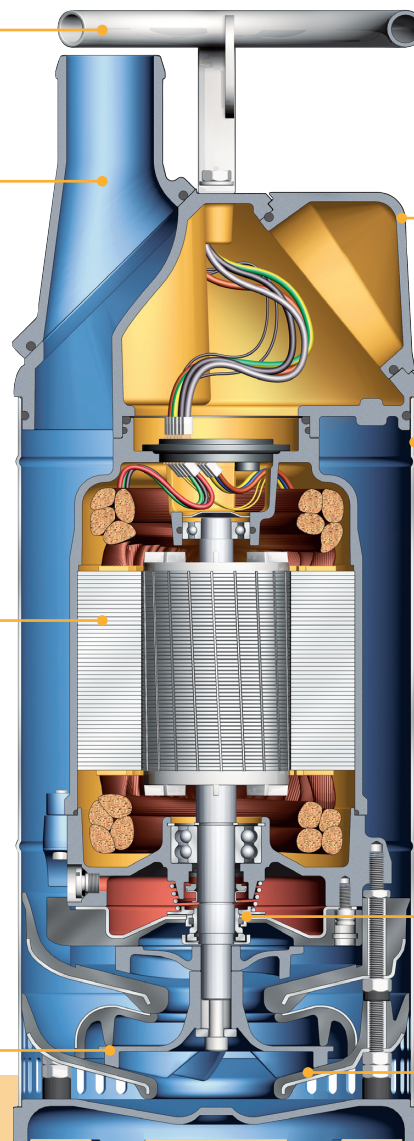
Stainless steel throughout, for better durability in tough environments.

**Double mechanical shaft seals**

Work independently of each other. The same seal fits all pumps in the Flygt 2700 series.

**Adjustable diffusers**

For optimized performance.

**External oil and inspection plugs**

Smart location and easy to access. Simplifies service and maintenance.

**Recessed vortex impeller**

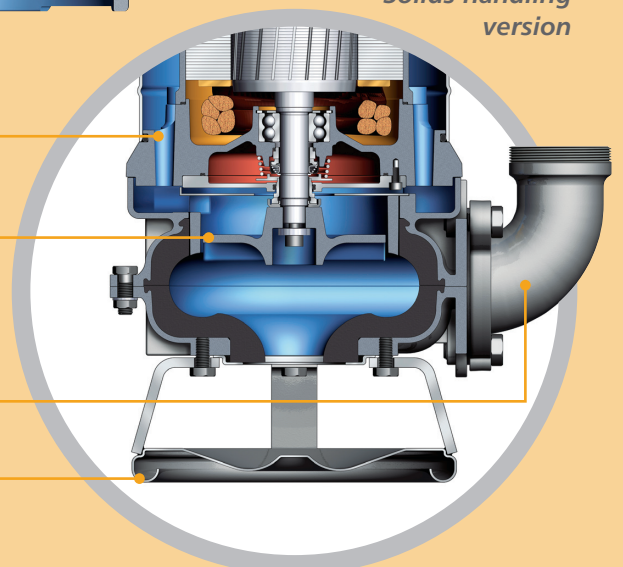
Reduces wear on the wheel. Greater through-flow enables the pump to handle larger particles.

**Freely adjustable turnable outlet**

Provides added flexibility at the outlet connections.

**Robust stand in stainless steel**

Adds steadiness and stability. Creates free passage for larger particles.

**Solids handling version**



# Find the right model for your needs

## Flygt 2700 series DRAINAGE PUMPS

Handle light contaminated liquids with particles up to  $25 \times 7$  mm. Available in both high head and high flow versions.



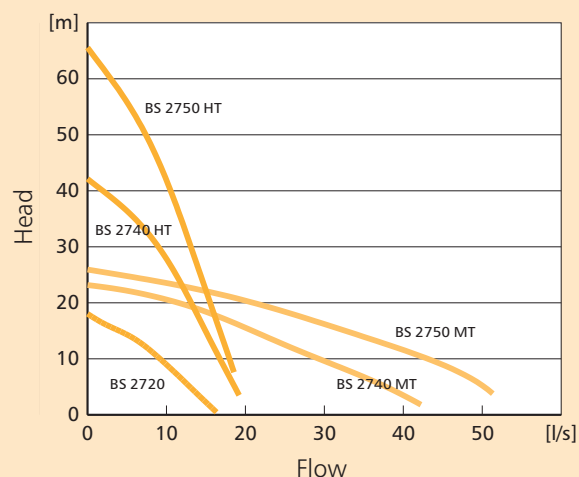
BS 2720

BS 2740 MT/HT

BS 2750 MT/HT

### Performance curves

50 Hz



### Pump data

50 Hz	BS 2720	BS 2740	BS 2750
Power (kW)	2.0	5.6	8.0
Height (mm)	535	730	785
Width (mm)	195	280	280
Strainer hole (mm)	$20 \times 5$	$25 \times 7$	$25 \times 7$

## Flygt 2700 series SOLIDS HANDLING PUMPS

Pumps for heavily contaminated liquids and with particles up to 80 mm.

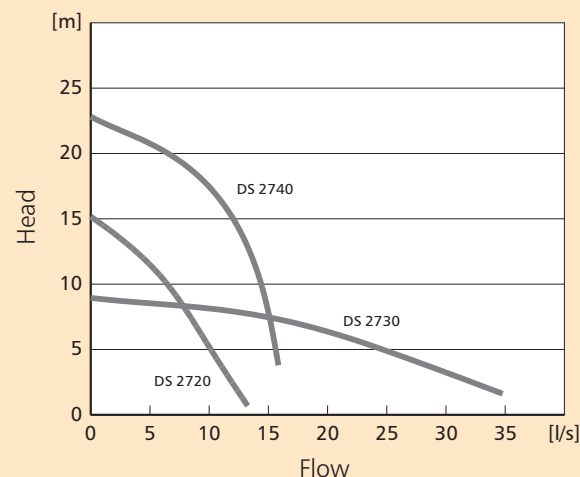


DS 2720

DS 2730 MT

DS 2740 HT

50 Hz

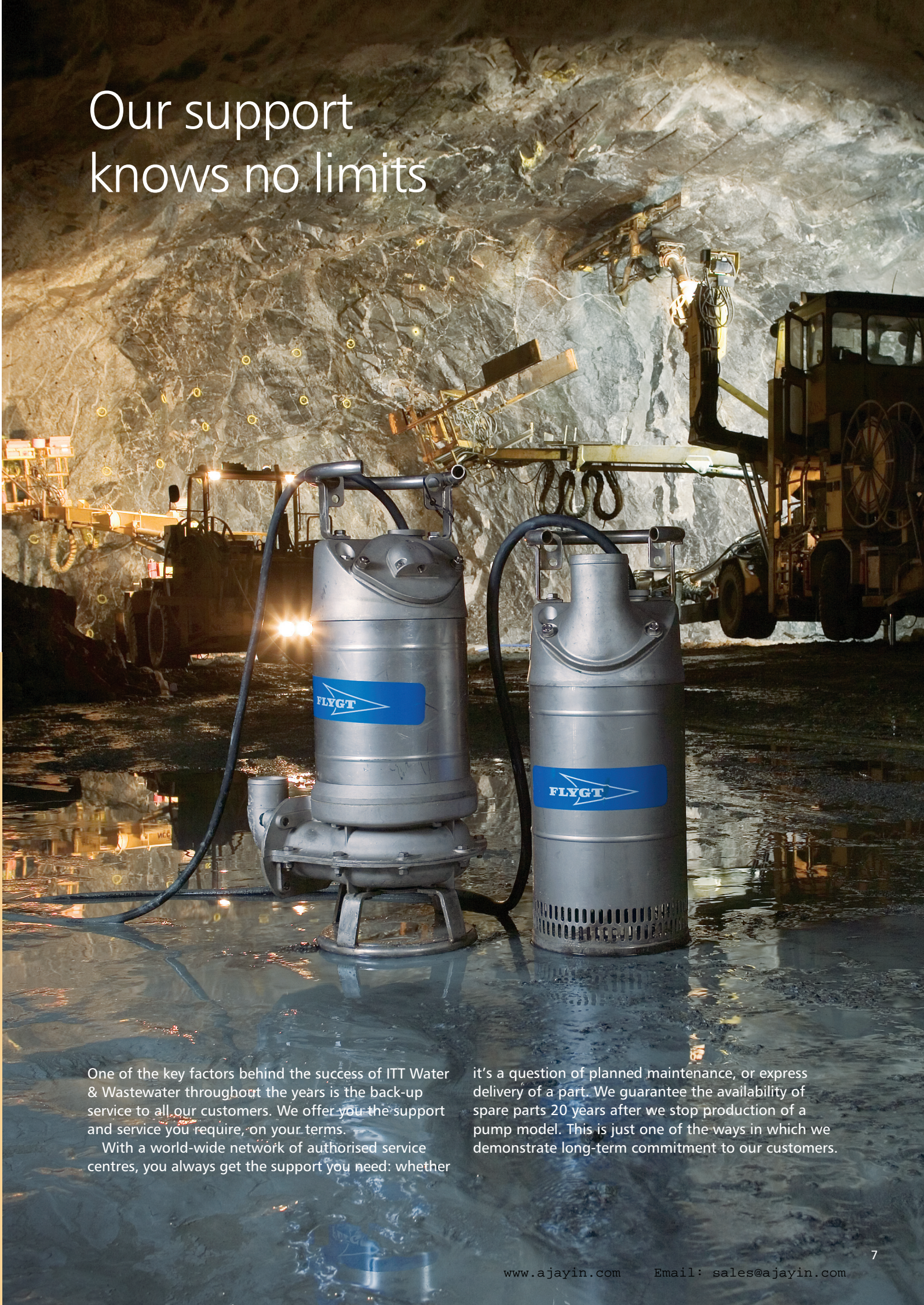


### Pump data

50 Hz	DS 2720	DS 2730	DS 2740
Power (kW)	2.0	4.1	5.6
Height (mm)	645	755	755
Width (mm)	375	480	480
Throughlet (mm)	50	80	46



# Our support knows no limits



One of the key factors behind the success of ITT Water & Wastewater throughout the years is the back-up service to all our customers. We offer you the support and service you require, on your terms.

With a world-wide network of authorised service centres, you always get the support you need: whether

it's a question of planned maintenance, or express delivery of a part. We guarantee the availability of spare parts 20 years after we stop production of a pump model. This is just one of the ways in which we demonstrate long-term commitment to our customers.





### **What can ITT Water & Wastewater do for you?**

Integrated solutions for fluid handling are offered by ITT Water & Wastewater as a world leader in transport and treatment of wastewater. We provide a complete range of water, wastewater and drainage pumps, equipment for monitoring and control, units for primary and secondary biological treatment, products for filtration and disinfection, and related services. ITT Water & Wastewater, headquartered in Sweden, operates in some 140 countries across the world, with own plants in Europe, China and North and South America. The company is wholly owned by the ITT Corporation of White Plains, New York, supplier of advanced technology products and services.

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