

## **Efficient Pump Replacement Solution for Wastewater Pumping Stations**



# Time for change

When pumping station equipment gets older the risk of breakdowns and disruptions increases, switching out your old pumps to the submersible sewage pump type ABS XFP is easy with the Sulzer adapter bracket which fits to the existing guiderail. Choosing the XFP also means lower energy consumption, reduced maintenance costs and blockages.

Here are some benefits you will enjoy:

## Excellent rag handling

Contrablock Plus impellers are especially engineered to handle tough requirements such as decreased water consumption and increased rag and solid content.

## Lower maintenance costs and long term reliability

Downtime and call-outs caused by blockages and breakdowns are minimized due to the excellent rag handling.

Long-term reliability is also assured due to the minimum bearing life of 50,000 hours for motors up to 9 kW and 100,000 hours for motors larger than 11 kW.

## Lower energy consumption

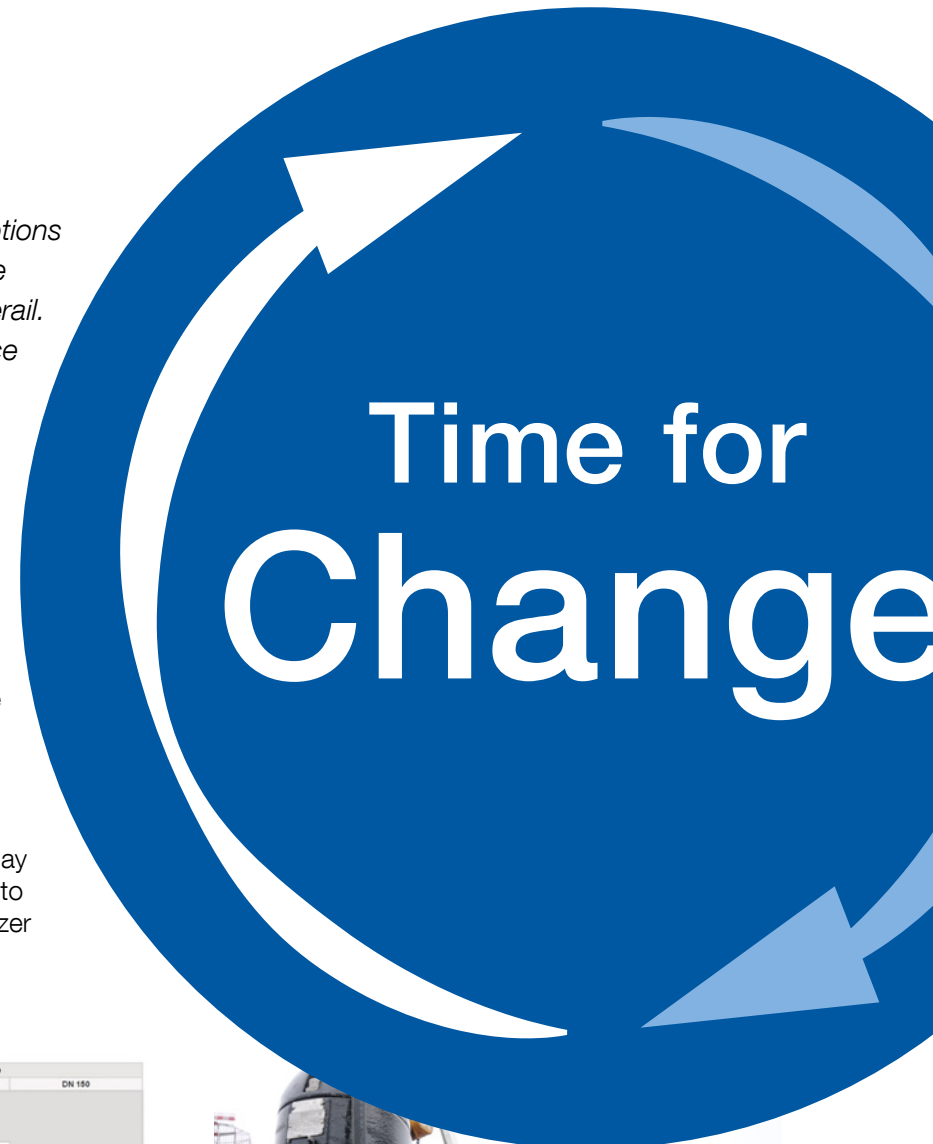
Reduced energy usage not only equals lower energy costs but also has a direct impact on the CO<sub>2</sub> footprint of your organization.

## Fast delivery

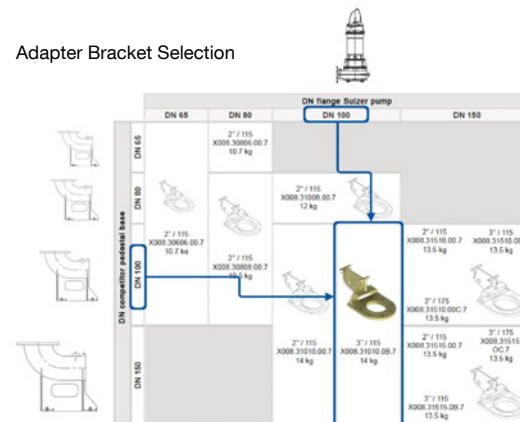
Excellent availability, XFPs can be delivered from stock at UK service centers.

## Easy switch out for existing product

Any previously installed product may be switched out without the need to change the guiderail using the Sulzer adapter bracket.



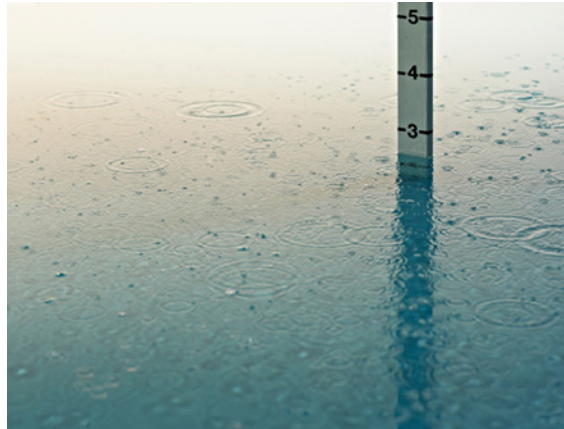
Adapter Bracket Selection



## Uncompromised blockage protection

As the rags and solids in wastewater increase, you need innovation that keeps pumping stations problem-free. The submersible sewage pump type ABS XFP, with its versatile range of Contrablock Plus impellers, is insurance against downtime that is easy to acquire. The impeller's superior rag handling and minimum free solids passage of 75 mm mean you spend far less time on troublesome pump stations. Switching from an existing pump is easy and you save energy immediately with the XFP's Premium Efficiency IE3 submersible motor – which Sulzer pioneered and provide as standard.

Send an email to [CrawleySales@sulzer.com](mailto:CrawleySales@sulzer.com) or visit [sulzer.com/timeforchange](http://sulzer.com/timeforchange) for more information.



## Flooding in Reading, Hampshire, United Kingdom

### The challenge

The A33 in Reading, often flooded across a busy six lane section of the road making it impassable. The old pumping station could not keep up with the flows and the drywells were always as full as the wet wells. About half a month's rain fell in just hours in September 2016 and flooded not only the roads but also Didcot Parkway, Newbury and Chieveley railway stations.

### The solution

The pumping station was stripped out and three submersible sewage pump type ABS XFP 150s were installed into the drywell, with new isolation and non-return valves in order to pump floodwater in the area and prevent disruption to the local transport network.

### The results

Flooding has now been prevented so local businesses, commuters and roads users are no longer affected by the heavy rainfall despite flood warnings by the Met Office in the area.



## Mayview pumping station, Renfrewshire, United Kingdom

### The challenge

Despite letters being sent to residents on two occasions asking them to refrain from disposing wipes etc. into toilets Scottish Water maintenance engineers were being called out on a daily basis to unblock the existing pumps.

### The solution

Sulzer changed the existing three inch vortex pumps to four inch XFP (PE1) vortex pumps. The larger solids free passage on the four inch vortex XFP pumps was sufficient enough to reduce the incidence of blockages.

### The results

After a free trial period of two weeks, Scottish Water placed the pump order and since November 2015 Scottish Water have only been called out on one occasion. There was an electrical problem which was not related to the pumps. The new installation resulted in:

- Reduced blockages
- Lower maintenance costs
- Ended disruption to local residents



[www.sulzer.com](http://www.sulzer.com)



E10442 en 1.2017, Copyright © Sulzer Ltd 2017

This brochure is a general product presentation. It does not provide a warranty or guarantee of any kind. Please, contact us for a description of the warranties and guarantees offered with our products. Directions for use and safety will be given separately. All information herein is subject to change without notice.