xylem
Let's Solve Water

N3069 Stainless Steel submersible pump

SUPERIOR PUMPING PERFORMANCE FOR INDUSTRIAL APPLICATIONS

FLYGT
a xylem brand

A new level of thinking to solve modern industrial pumping challenges

The Stainless Steel N3069 is a premium submersible pump specifically manufactured for industrial customers with processes containing high chloride or extreme pH levels. Unlike traditional industrial pumps, the N3069 delivers superior corrosion resistance and exceptional pumping performance with sustained high efficiency.

This stainless steel workhorse is designed to solve the toughest pumping challenges in very aggressive media, such a highly acidic or alkaline water based liquids, seawater, organic waste, and other harsh media applications as well as in process fluids and clean water. The combination of a submersible pump in stainless steel and Flygt's self-cleaning adaptive design provides continuous pumping with market leading performance.

The high quality and unmatched performance of the Flygt N3069 should come as no surprise. After all, Xylem is the world-leading manufacturer and supplier of submersible pumps. Here are some of the essential advantages that make this the stainless steel pump of choice.

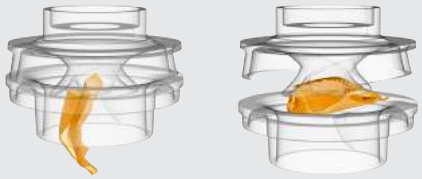
- Superior corrosion resistance material increases product lifetime
- Long-term savings with patented Adaptive N hydraulic design which provides trouble-free operations and up to 80% higher pumping efficiency
- Up to 5 times more wear resistance with optional Hard Iron hydraulics
- Patented Griploc™ seal ensures reliability and trouble-free operation in highly corrosive and abrasive applications
- Flygt SmartRun™ compatibility provides maximum pump station control for your wastewater collection system

Choice of materials

For applications containing abrasive particles the N3069 can additionally be fitted with a Hard Iron hydraulic impeller. Hard Iron is an excellent choice for long lasting peace-of-mind pumping, even in the most abrasive and demanding industrial applications.

Adaptive N® Technology

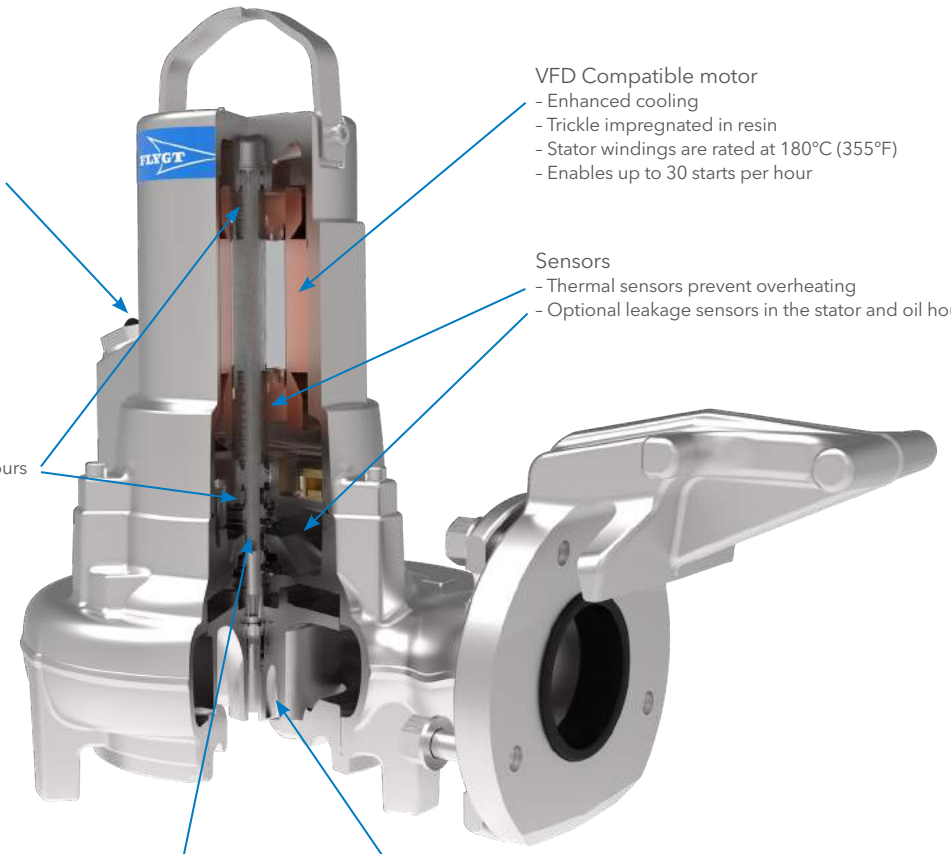
The Adaptive N impeller lifts up due to the forces from solid objects passing through. This avoids clogging and ensures continuous, energy efficient pumping.



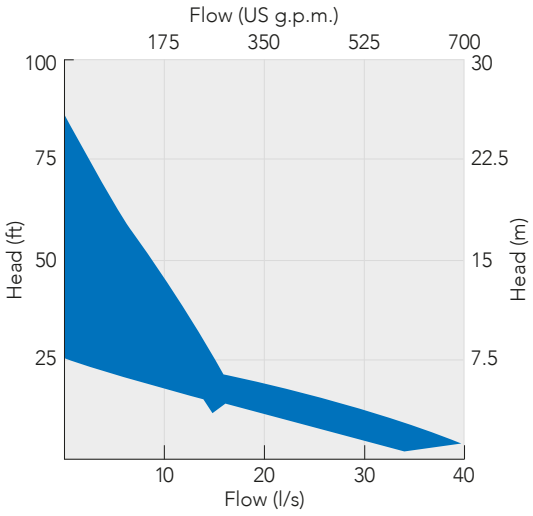
Applications

The N3069 is designed and manufactured to be a reliable servant in many demanding industrial applications including:

- CIP effluent in Food & Beverage
- Industrial Wastewater
- Aquaculture
- Tanneries
- Breweries



Performance Curves



Technical specifications

Specifications	50Hz	60Hz
Rating	1.5–2,4 kW	2–3,2 hP
Discharge Ø	DN50, DN65, DN80	2", 2,5", 3"
pH of pumped liquid	2–14	2–14
Installation methods	F, H, P, S	F, H, P, S
VFD Compatibility	Yes	Yes

Materials	Standard	Optional
Impeller	Stainless steel AISI 329	High Chromium Grey Iron ASTM A 532 IIIA
Volute	Stainless steel AISI 316	Stainless steel AISI 329
Stator housing	Stainless steel AISI 316	Stainless steel AISI 329
Shaft	Stainless steel AISI 431	
O-rings	NBR	FPM

Mechanical face seals	Alt 1	Alt 2
Inner	CSb/Al2O3	WCCR/WCCR
Outer	RSiC/RSiC	WCCR/WCCR
O-rings	FPM	

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1) The tissue in plants that brings water upward from the roots;
2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to www.xylem.com

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