The most highly developed pumps continue to evolve

BRINGING FLYGT N-PUMPS TO DRY LAND THROUGH DRYPIT PUMP INSTALLATIONS

FLYGT
a xylem brand

We know what works – you told us

Since dry land has not traditionally been our element, we asked hundreds of users of dry installed pumps what they like. But also what they don't like. The result – our first concerted move onto dry land – is a number of intelligent innovations that will make your life easier whether treating sludge or transporting wastewater.

For years, we have been there, onsite, day in, day out, helping customers around the world. This has given us a unique knowhow and understanding when it comes to wastewater and sludge. With over 60 years of experience, we can ensure a high degree of predictability when handling these unpredictable media – experience that is available to our customers through exclusive system engineering software such as SECAD, which automates facility design and pump sizing.

1 **Easier installation with adaptable outlet direction.** When installing new vertical pumps in existing stations and plants, the inlet and outlet are already fixed. However, our newly designed flexible connection plate makes installation work much quicker and precise. In addition, each pump comes with full instructions for casting foundations.

2 **Faster maintenance with inspection hatch and patented telescopic opening** Sometimes you want to access the impeller without having to dismantle the entire pump. For vertical installed pumps, we've developed an inlet elbow with a hatch giving you easy access. For horizontal installed units, our patented telescopic opening gives you access to the pump suction end.

3 **Better working environment with better drainage.** We have added a drainage hole to ensure the pump housing is empty before you begin working on the pump – a simple fix that makes a big difference to your working day.

A HISTORY OF INNOVATION

1947
Flygt revolutionizes the industry with the world's first submersible pump.

1956
The world's first submersible flood-proof wastewater pump with automatic discharge connection.

1983
Introduction of the Neva-Clog closed single vane impeller.

1987
Flygt shares its engineering expertise by releasing SECAD, the world's first IT-tool for pump station design.

1997
Launch of the revolutionary self-cleaning N-technology for wastewater and sludge applications.

Plus all the innovations of the market leader

- N-technology has revolutionized wastewater and sludge pumping. With its self-cleaning design and newly developed Adaptive N-hydraulics, it provides sustained high efficiency, thereby cutting total cost of ownership.
- Flygt N-pumps can be adapted to handle any type of media: thanks to their modular design, you can exchange insert rings, impellers and material of parts. In fact, they are so flexible that you can easily turn a standard N-pump into a chopper version without having to change the existing piping.
- Flygt submersible pumps, whether wet- or dry-installed, are of course flood-proof. The integrated design eliminates leakages and the risk of unpleasant and hazardous odors.
- N-pumps up to 105 hp (70 kW) can be delivered with Flygt premium efficiency motors, which are optimized for wastewater and sludge applications. In-house built, these motors comply with the international standard IEC 60034-30, or IE3.
- All our N-pumps are available as a part of the Flygt Experior™ program, which provides energy savings of up to 50 percent compared to conventional wastewater pumps.

4 Safer handling with lifting equipment and service cart. Horizontal installed Flygt pumps can be equipped with a service cart that can be used for more than one pump. The cart lets you quickly and easily separate the drive unit from the pump housing, and the tried and tested lifting device ensures safe pump handling.

5 Simpler performance checks with connection for pressure gauge. Many customers have told us that they want to read the pressure on the suction side to ensure optimum operation. To make this possible, we have added a connection for a pressure gauge.

Horizontal installation, Z	3085–3127	3153–3315
Patented telescopic opening with pressure gauge connection	●	●
Lifting equipment	○	○
Service cart		○
Drainage hole	●	●
Vertical installation, T	**3085–3127**	**3153–3315**
Stand	●	●
Adaptable outlet direction	○	●
Inspection hatch	●	●

(○ = Optional)

1998
First jet-mixer for dry installations with N-technology.

2007
Evolution of enhanced N-technology with introduction of modular hydraulics with Hard-Iron™, chopper and adaptive impeller versions.

2011
Premium efficiency motor range launched for wastewater pumps.

2012
Flygt Experior™ – approved wastewater pumps for optimum sustained efficiency, overall economy and peace of mind.

2012
Intelligent innovations plus SECAD update for dry pump installations.

Xylem |'zīləm|

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

We're 12,000 people unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. 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, backed by a legacy of innovation.

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

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