



# Compact pumps from the wastewater experts

FLYGT 3045, 3057, 3068. POWER RANGE 1 – 3.8 HP (0.8 – 2.8 kW)

# Wastewater is unpredictable, Flygt pumps are not

If you want a wastewater pump that just works—month after month, year after year—get a pump from the wastewater experts. With almost one million compact pumps out there, we know what you want is reliable, trouble-free operation. And we know how to deliver it. With a choice of channel and vortex wet ends, it's easy to find the right Flygt pump that will just do the job—no fuss, no bother.

## Better at wastewater in 3 ways:

**1** A Flygt pump is built to deal with wastewater like no other pump. From its cast iron housing, through its Class F motor, to its double set of seals, a Flygt pump is ready to meet your wastewater challenges.

**2** Reliable pumping is more than just a great pump: at Xylem, we can provide the full package including pump stations, a range of monitoring and control hardware and the knowhow from millions of pump installations.

**3** With over 130 wholly-owned maintenance and repair facilities around the world, we have the local presence to provide fast, competent support. Wherever you are, our service technicians are never far away with the right spare part and the right competence.



### FLYGT PUMPS FOR ANY APPLICATION

- Drainage
- Commercial buildings
- Wastewater pump stations
- Lift stations
- Industrial applications



### SELF-CLEANING PREFABRICATED PUMP STATIONS

With their specially designed sloping walls and minimal floor space, Flygt prefabricated pump stations reduce the build-up of sediment and floating debris. Combined with a Flygt pump, you get reliable, efficient and safe operation.

## The details that make the difference

### LONG-LIFE BEARINGS – TROUBLE-FREE OPERATION

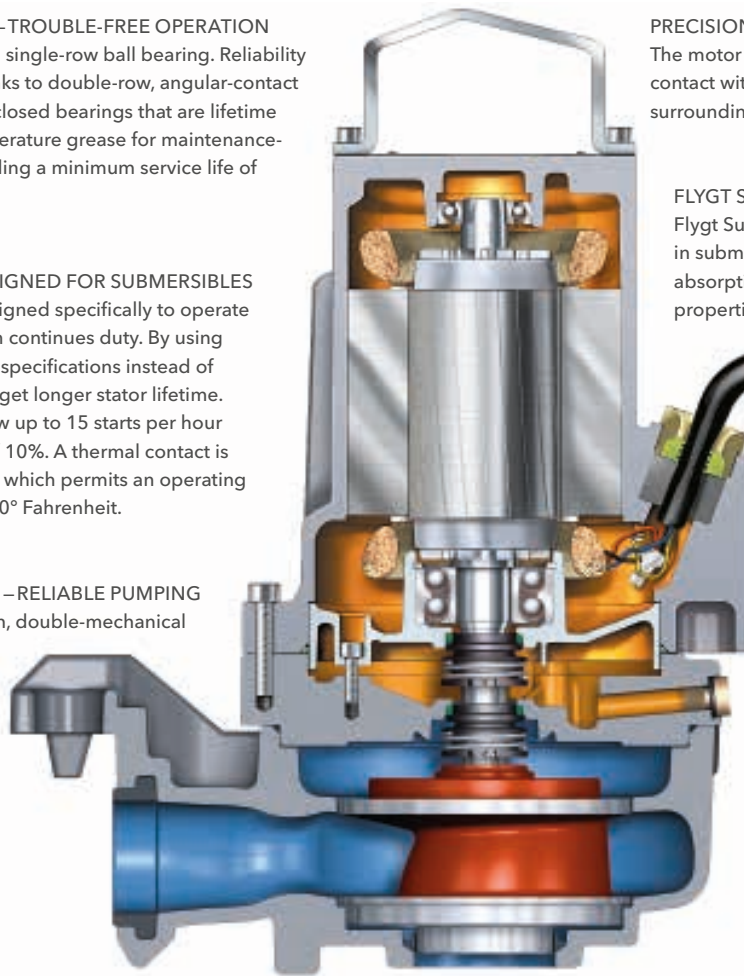
The support bearing is a single-row ball bearing. Reliability is further enhanced thanks to double-row, angular-contact ball-bearings. They are closed bearings that are lifetime greased with high-temperature grease for maintenance-free performance providing a minimum service life of 20,000 hours.

### CLASS-F MOTOR – DESIGNED FOR SUBMERSIBLES

We only use motors designed specifically to operate in submersible pumps in continuous duty. By using motors made to Class-F specifications instead of the normal Class-B, you get longer stator lifetime. Class-F motors also allow up to 15 starts per hour and an under-voltage of 10%. A thermal contact is embedded in the stator, which permits an operating temperature of up to 260° Fahrenheit.

### DOUBLE-SEAL SYSTEM – RELIABLE PUMPING

Our unique dual-tandem, double-mechanical seal system protects the motor from leakage. Working independently of each other, the seals offer extra security and allow long intervals between servicing



### PRECISION ASSEMBLY – EFFICIENT COOLING

The motor is heat-shrink fitted to ensure full metal-to-metal contact with the outer housing which is cooled by the surrounding liquid to ensure efficient cooling.

### FLYGT SUBCAB – MADE FOR UNDERWATER USE

Flygt Subcab has been developed by Xylem for use in submersible applications. Due to its low liquid absorption rate, it retains its mechanical and physical properties even after long periods of use.

### ROBUST CABLE ENTRY – REDUCES RISK OF LEAKAGE

Separate sealing and strain-relief functions reduce the risk of cable damage and leakage from incorrect handling.

### CAST IRON – ROBUST AND DURABLE

Flygt pumps are made of cast iron, a material that offers good wear properties and corrosion resistance. The result is a robust pump that will last for many years.



### SPIN-OUT™ – PROTECTS SEALS FROM ABRASIVE PARTICLES

The patented Spin-out design expels abrasive particles from the seal chamber protecting the outer seal from wear. An integral part of the seal chamber, Spin-out is as simple as it is effective.



### MONITORING AND CONTROL

With a wide range of monitoring and control systems, you can find a solution that meets your needs for trouble-free, cost-effective pumping.

# Easy to order. Easy to install. Easy to own

## A solution for every need

We aim to make everything to do with pumping – from ordering, through installation, to operation – as easy as possible.



**P-INSTALLATION**  
For semi-permanent wet well installations. The pump is installed between guide-bars on a discharge connection.



**S-INSTALLATION**  
Semi-permanent freestanding installation. Easy to transport with its pipe or hose connection.



**F-INSTALLATION**  
Free standing, the pump is equipped with supporting legs. Can be connected to hose or pipe.



**H-INSTALLATION**  
Stationary wet installation suspended from the discharge pipe. The quick connection joint has an integrated non-return valve applicable to Flygt Compit pump station.

### Installation your way

With four different methods of installation, you can install Flygt pumps in the way that best suits your application. We even have a number of engineered accessories to simplify the installation process.

### Trouble-free ownership

For difficult pumping environments, we can supply self-cleaning pump stations, either prefabricated or our proven station design. We always make sure you have the right packaged offer whatever the application. We have a range of monitoring and control systems to make sure that your pumps just get on with the job – allowing you to get on with other things.

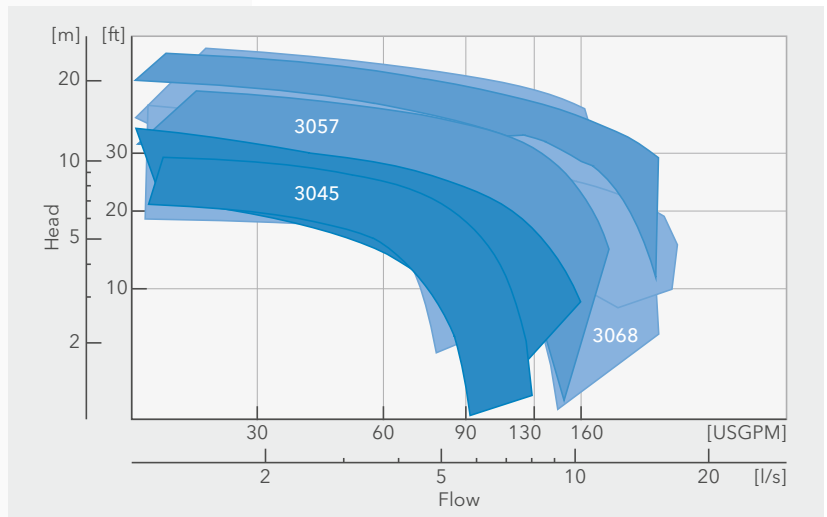




## Product range overview

### Performance

(60 Hz)



### Motor ratings and discharge

Model	3045	3057	3068
Rating, HP (kW)	1.1–1.8 (0.8–1.3)	2.3–3.8 (1.7–2.8)	1.1–3.8 (1.4–2.8)
Hydraulics	C, D	C, D	C, D, F, M
Discharge, in (mm)	2" (50)	2" (50)	2" (50) 2½" (65) 3" (80)

### General specifications

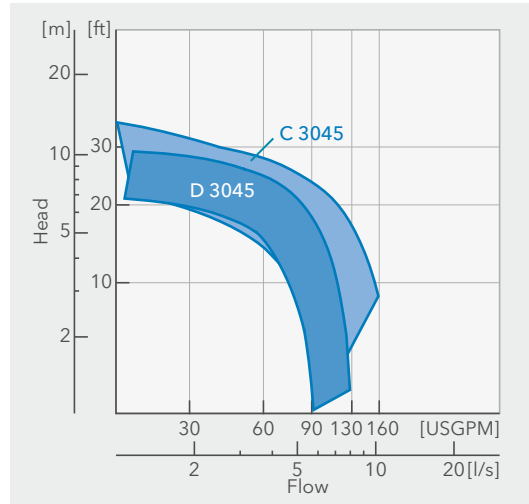
Denomination	Material
Major castings	Cast iron
Pump housing	Cast iron
Lifting handle	Stainless steel
Shaft	Stainless steel
Suction cover	Stainless steel (if applicable)
Screws and nuts	Stainless steel, A2
Oil	Medical white oil of paraffin type. Fulfills FDA 172.878(a)
O-rings, alt 1	Nitrile rubber (NBR) 70° IRH
O-rings, alt 2	Fluorinated rubber (FPM) 70° IRH

# The right pump for every application

## Flygt 3045



### Performance



C = Channel impeller    D = Vortex impeller

### Product specific data\*

Rating, HP (kW)	1.1–1.8 (0.8–1.3)
Discharge, in (mm)	2" (50)
Impeller material	Polyamide PA66
Installation	P, S, F, H
Weight, lbs (kg)	62 (28)
Height, in (mm)	17–19" (432–483)

### Impeller options

C	Channel impeller
D	Vortex impeller

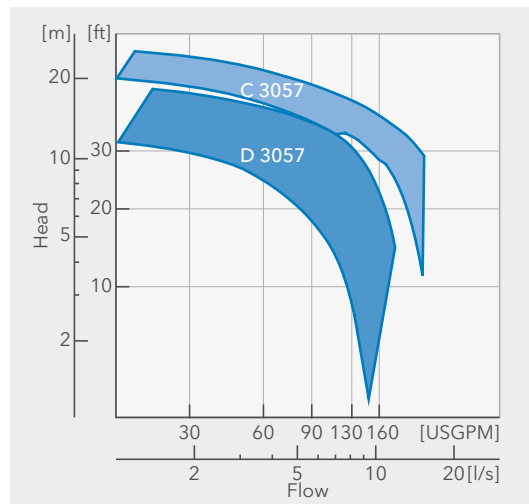
### Mechanical seals

Material	Inner	Outer
Carbon/aluminum oxide	•	
Silicon carbide/silicon carbide		•

## Flygt 3057



### Performance



C = Channel impeller    D = Vortex impeller

### Product specific data\*

Rating, HP (kW)	2.3–3.8 (1.7–2.8)
Discharge, in (mm)	2" (50)
Impeller material	Stainless steel/cast iron
Installation	P, S, F, H
Weight, lbs (kg)	75 (34)
Height, in (mm)	19–21" (483–533)

### Impeller options

C	Channel impeller
D	Vortex impeller

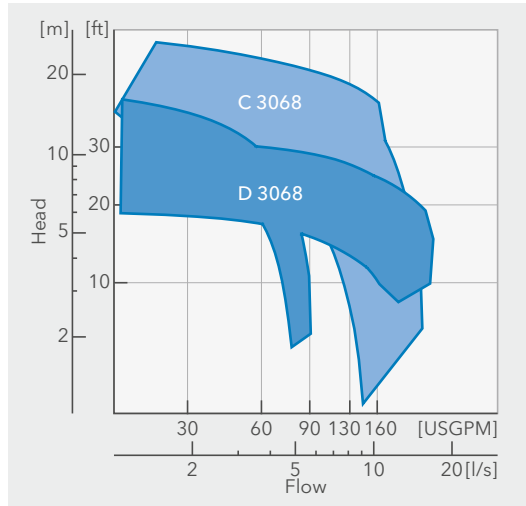
### Mechanical seals

Material	Inner	Outer
Carbon/aluminum oxide	•	
Aluminum oxide/corrosion resistant cemented carbide		•
Corrosion resistant cemented carbide/corrosion resistant cemented carbide	•	•

# Flygt 3068



## Performance



C = Channel impeller    D = Vortex impeller

## Product specific data\*

Rating, HP (kW)	1.1–3.8 (1.4–2.8)
Discharge, in (mm)	2" (50)
	2½" (65)
	3" (80)
Impeller material	Cast iron
Installation	P, S, F
Weight, lbs (kg)	77–117 (35–53)
Height, in (mm)	19–25" (483–635)

## Impeller options

C	Channel impeller
D	Vortex impeller

## Mechanical seals

Material	Inner	Outer
Carbon/aluminum oxide	•	
Silicon carbide/silicon carbide		•
Aluminum oxide/corrosion resistant cemented carbide		•
Corrosion resistant cemented carbide/corrosion resistant cemented carbide	•	•

\* Variable options are available such as explosion proof, sensors, hot liquid versions, special painting, cable lengths and more. For general product data see page 5.

## Keep your pumps pumping

Flygt pumps are backed up by over 130 wholly-owned maintenance and repair facilities in more than 30 countries. As a part of Xylem, we have a worldwide representative network that provides access to services and parts in 140 countries around the world. In other words, we are always close by to keep your pumps pumping.

For more information go to [www.flygt.com](http://www.flygt.com).



# Xylem [ˈzīləm]

- 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 [xylem.com](http://xylem.com)



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