



# Wastewater pumps 3045, 3057

For groundwater and sewage



Flygt



**ITT Industries**  
*Engineered for life*

# Reliable submersibles for residential, commercial and light-industrial applications

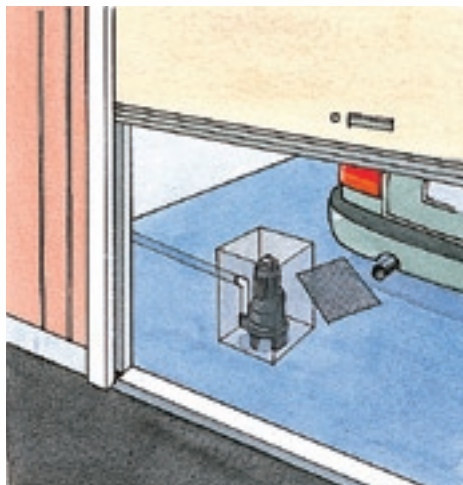
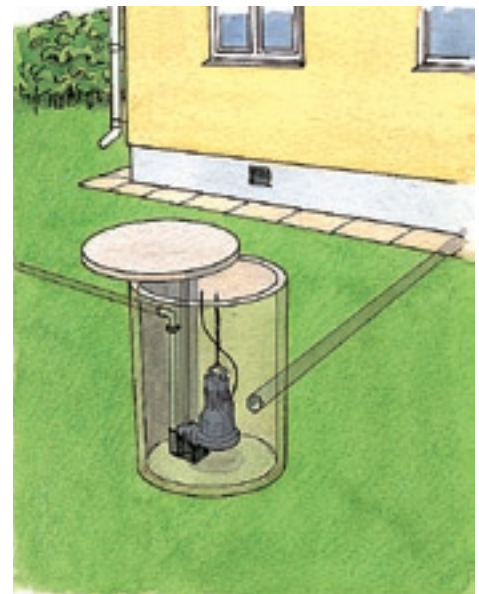
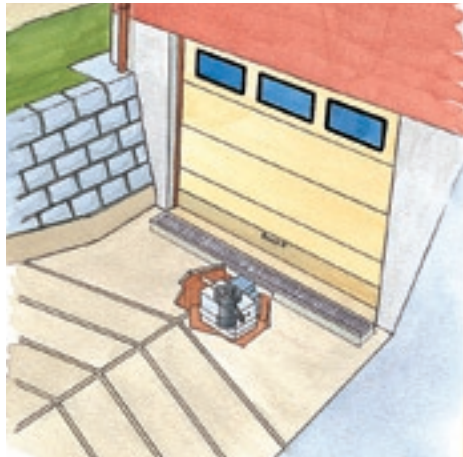
## Built to last

That's precisely what you'd expect from compact pumps made by ITT Flygt.

These submersibles are ideal for small-scale sewage transport or groundwater drainage –in locations such as private dwellings, work shops or restaurants. They're particularly suitable for sewage sumps as well as groundwater pits. Both indoors and outdoors.

The units couldn't be easier to install. Either as free-standing or permanent installations. They're simply lowered into place, and set to work.

Available with channel or vortex impellers and housed in cast iron, these Flygt pumps offer years of reliable, hard-duty service.



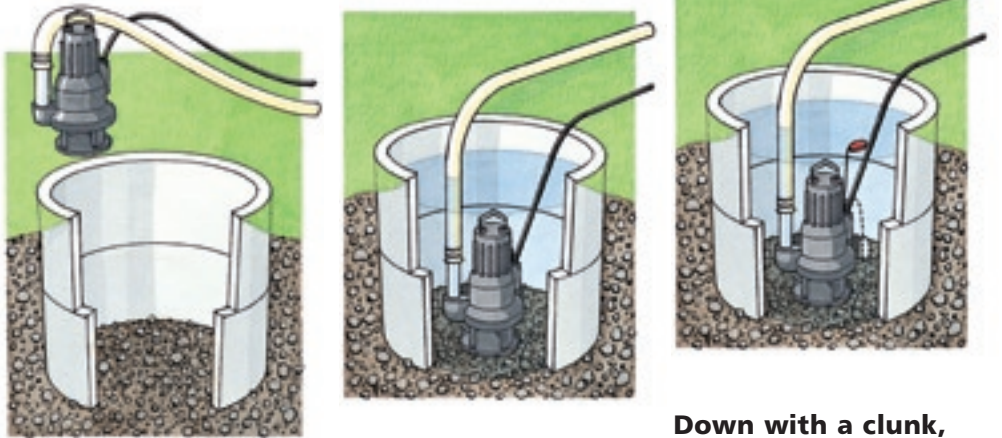
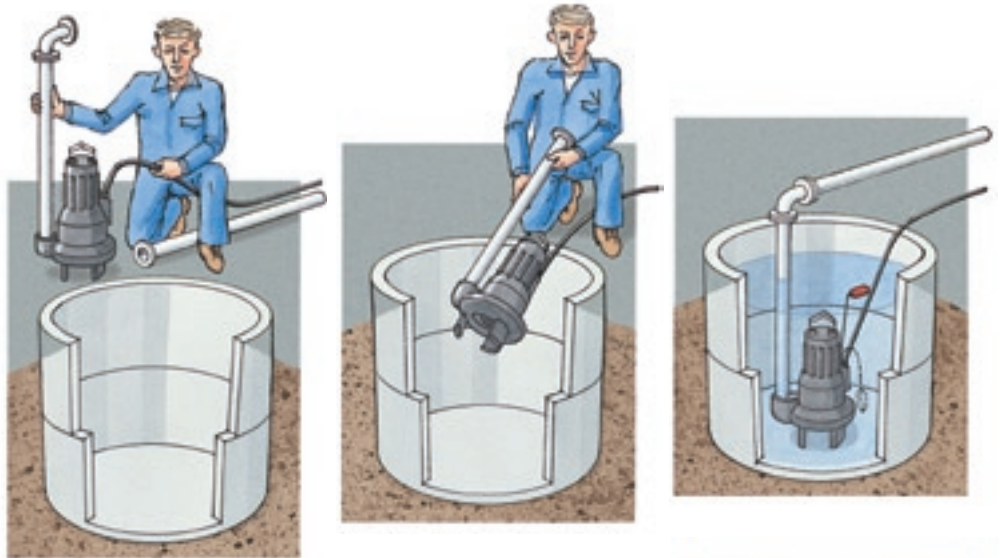


**Easy to install,  
easy to service**

**F** For semi permanent installations, the pump rests free-standing on a flat and even floor. The discharge can be connected to either a pipe or hose. If connected to a pipe, the pump is lifted together with the first section of the pipe.

**S** In what we call the "S" installation, getting the pump into place could not be simpler: mounted on its own stand and with a flexible hose attached to the discharge, the pump is simply lowered into place and the power turned on. The outlet can also be connected to a pipe.

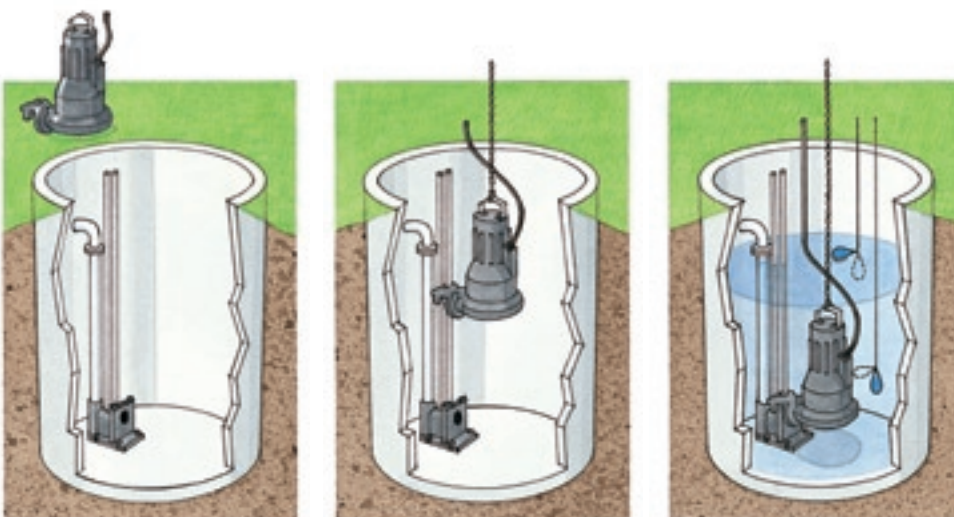
For both F and S, a level regulator controls start and stop.



**Down with a clunk,  
up with a click**

The **P** installation is recommended for sewage pumping. With its guide bars and automatic discharge connection, it is extremely easy to access the pump. Guided down into place by the bars the pump automatically connects to the discharge pipe. As the pump is lifted up, it automatically disconnects from the discharge.

A pair of external level regulators control pump start and stop.



# Built for trouble-free pumping

## **A motor made for submersible pumps**

Rather than buying off-the-shelf motors, we design them ourselves – unique among pump manufacturers. This ensures years of trouble-free performance, despite the tough operating conditions.

The motor is dry rather than oil filled. This results in higher efficiency and easier maintenance, while eliminating the risk of environmental contamination.

## **The double mechanical face seals**

Two sets of mechanical shaft seals provide double security.

## **Cast iron shell**

The motor and pump housings are made from cast iron. This makes Flygt pumps sturdier and more resistant to corrosion than the pumps made from sheet metal.

## **The trouble-free performance**

Due to the compact design of the pump, the shaft overhang is kept short: this virtually eliminates shaft deflection and vibrations, leading to a minimum of stress on the seals and bearings.

## **Cable entry**

Separate sealing and strain-relief functions reduce the risk of leakage and cable



*The oil chamber is filled with an environmental white oil that is free from aromatic hydrocarbons and is approved by the FDA for use in the food industry.*

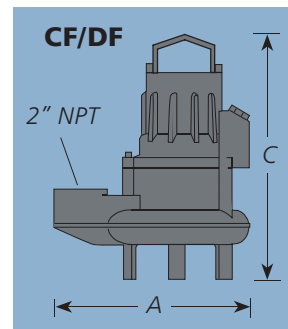
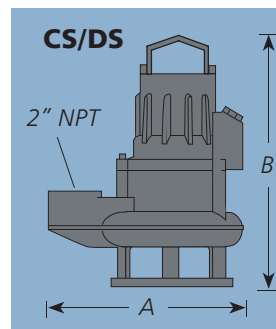
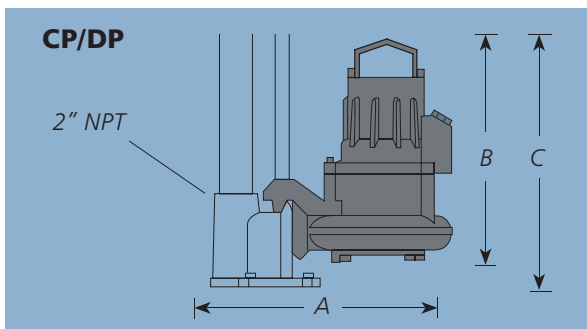
# Two pumps, two impeller types

## Single-vane impeller (C-pumps)

The single-vane impeller offers both high efficiency and good solid-passing characteristics which makes it the optimal choice for most groundwater and sewage applications.

## Vortex impeller (D-pumps)

The vortex impeller is ideally suited for media that contains high concentrations of abrasive particles or particularly large solids.

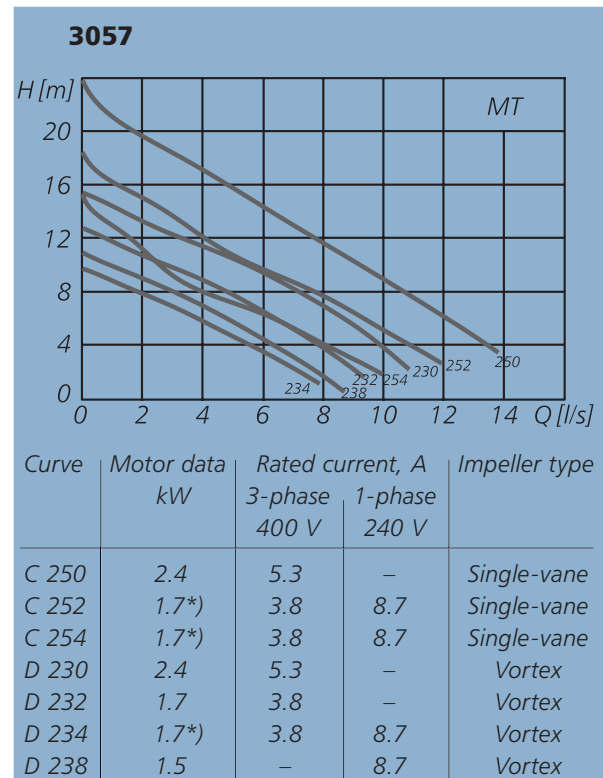
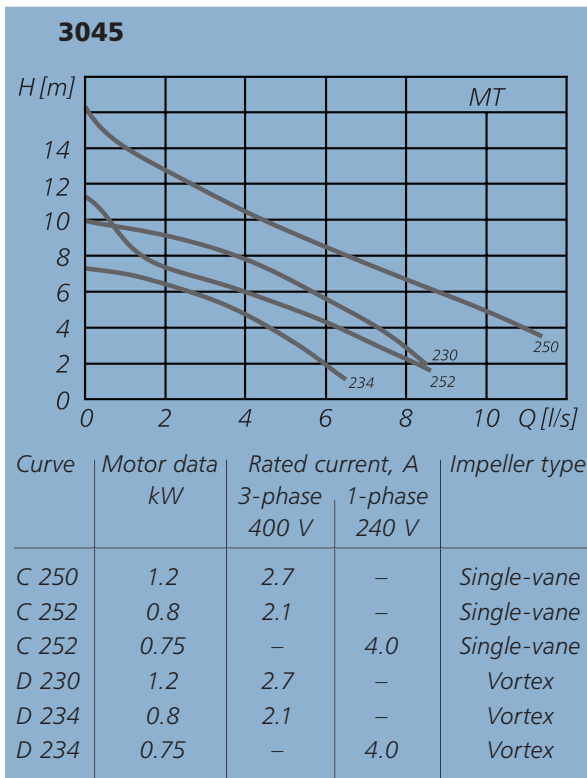


Dimensions in mm

Pump	A	B	C	Weight kg
3045	415	355	420	28
3057	425	490	510	34
Disch. conn.			7	

Dimensions in mm

Pump	A	B	C	Weight kg
3045	290	470	465	28.5
3057	305	510	535	34



\*) 1.5 kW in 1-phase

At ITT Flygt, we have been making submersible pumps since 1948, when we introduced the world's first submersible designed for contaminated water. Today the submersible concept has become universally established and now includes submersible pumps, mixers and aeration systems used in wastewater plants, sewage systems and numerous other applications. ITT Flygt has service and sales facilities in more than 130 countries around the world.



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