



ACS550 Variable Frequency Drives

The VFDs that are tailored for wastewater pumping



Flygt



ITT Industries
Engineered for life

Better efficiency, greater energy savings & less downtime,

ACS550 Variable Frequency for wastewater pumping

A standard variable frequency drive can be used in dozens of different applications. But regulating pump speed is not easy: to ensure problem-free pumping you need to pay special attention to flow and head.

In co-operation with ABB, we've developed a range of VFDs which, with their unique Flygt software, are specifically tailored for wastewater pumps.

Using a standard VFD usually means a de-rating of your pumps. But with the ACS550, you can expect all the advantages of speed regulation, plus top pumping efficiency.

Fewer call-outs

To reduce the risk of clogging a special program has been developed to help keep impellers clean. When the ACS550 senses an increase in load that exceeds a preset value, it triggers a cleaning sequence. Not only does this improve reliability, but it also means fewer emergency call-outs.

Pre-programmed for wastewater pumping

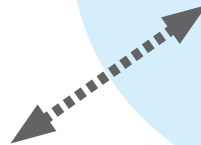
A standard VFD can be used in many different applications. But before you can begin using it, you have to set a large number of parameters manually.

As pump experts, we know exactly what you need. The ACS550 is supplied with a selection of pre-settings, reducing the number of parameters you need to handle by more than 90 percent.

The ACS550 can communicate with other pump controllers such as Flygt's FMC and can interface with different SCADA systems, including AquaView.

What are the advantages of using VFDs?

- Boost system reliability – reduce stresses on electrical and hydraulic systems.
- Improve process control – match flow and head to system requirements.
- Gain greater flexibility – optimise dimensioning in new and retrofit installations.
- Save energy – adjust pump speed to system demand.



Easy to install, easy to use

The ACS550 is simple to purchase, install, operate and can be used in a wide range of wastewater applications. In other words, it's ideal when you need reliable speed-regulated pumping.

Detachable control panel

A detachable, alphanumeric control panel is supplied as standard. It features a large graphical display, multi-lingual routines and soft keys for easy navigation and programming.



The right drive for the right pump

A range of drives have been developed to match a range of pumps (380–480 V).

ABB ACS550 order identity	I _{2N} (A)	ABB ACS550	I _{2N} (A)
ACS550-01-05A4-4+415	5.4	ACS550-01-038A-4+415	38
ACS550-01-06A9-4+415	6.9	ACS550-01-044A-4+415	44
ACS550-01-08A8-4+415	8.8	ACS550-01-059A-4+415	59
ACS550-01-012A-4+415	11.9	ACS550-01-072A-4+415	72
ACS550-01-015A-4+415	15.4	ACS550-01-096A-4+415	96
ACS550-01-023A-4+415	23	ACS550-01-124A-4+415	124
ACS550-01-031A-4+415	31	ACS550-01-157A-4+415	157

All drives come with IP 21, Flygt's easy-to-use panel, Flygt software, coated boards and an EMC filter, and are UL listed. If IP 54 is required please add +B055 to the end of the code, for instance: ACS550-01-05A4-4+415+B055.

I_{2N} = maximum continuous current rating for the drive. For wastewater applications the I_{2N} value should be at least 15 percent higher than the motor's rated current. For additional information please refer to the specific technical product catalogue at www.abb.com/drives.

World-wide service, world-class value

As a leading supplier of fluid handling solutions, Flygt can supply everything you need to design, build and operate pump systems in a safe and cost-effective way.

Our products are used in water supply, wastewater treatment, sewage systems, mines, construction, process industries and numerous other applications.

Flygt is represented in over 130 countries and has more than 40 sales companies.

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