



Water & Wastewater

Altivar Process — the first services oriented drive

Helping you face significant challenges in Water & Wastewater processes

Energy efficiency and sustainability

The world's reliance on water is continuously growing, with consumption increasing and resource availability decreasing. Therefore, most stakeholders demand a sustainable and energy-efficient solution. Schneider Electric helps the Water & Wastewater (WWW) segment treat and deliver safer water 24/7, while lower operating costs and using less energy.

Altivar Process: The first services oriented drive for Water & Wastewater

Business optimization: Increase productivity by up to 20%

Energy management with innovative power technology, an integrated accurate (<5%) power measurement function and standby mode, coupled with digital services, help you reduce operating and energy costs.

Pump management with embedded process knowledge in the Altivar™ Process variable speed drives delivers the information you need. Accurate diagnostics and remote services capabilities help make your processes safer and more efficient to realize maximum return in long-term operations.

Real-time intelligence

The embedded Ethernet web server system enables customized process monitoring. Access energy usage and process information anywhere, any time.

Complete drive system to achieve high performance

Clean and reliable power: Integration in electrical distribution systems, with total management of power quality thanks to passive and active embedded filters to comply with stringent standards.

Simplified startup and integration of the drives (smart process object) make it easier to implement Altivar Process in your system. Intuitive built-in functions and diagnostics enable you to monitor your pumping systems at the best efficiency point (BEP).



The right drive for your WWT application

Altivar Process variable speed drives for Water & Wastewater

Altivar Process is a services oriented, custom-engineered drive designed to reduce operational expenses (OPEX) in WWT installations across the entire water cycle, with a specific focus on maximizing productivity. This drive makes water processing smarter and more efficient, helping you handle your challenges.

A full set of protections

- Cavitation control
- Low inlet/outlet pressure
- No/low/high flow control

Accurate process control to reduce energy consumption

- Pressure, flow, level control
- Multipump management
- Full pump monitoring (operating point, efficiency, sensorless flow rate monitoring)

Altivar Process: Available ranges

	ATV600	Drive systems
Power	0.75 – 315 kW	1 – 1500 kW
Voltage	200 – 400 – 690 V	
Protection degree	IP21 – IP55	IP21 – IP 23 – IP 54
Motor type	Induction, PM, reluctance motor	
Environmental protection	3C3 / 3S3	
Motor law	Synchronous, Asynchronous	Synchronous, Asynchronous
Operating temperature	-15 °C – 50 °C	Applied to your solution
THDI	THDI < 48%	THDI < 5% THDI < 48%
Embedded functions	Safe Torque Off SIL3 – PI e – Multipump	



Altivar 600
Dedicated WWT process drives



- Energy savings > 25%
- Green and ethical materials — free of PVC, halogen, and conflict minerals
- Improved serviceability and repairability
- Increased recyclability: The product is now 80% recyclable
- Packaging reduced by 64%

Altivar Process is the first drive that makes the Industrial Internet of Things a reality.



Scan the code to find out more
about Altivar Process.

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