

xylem



# Xylem's Fully Integrated Pharmaceutical Water System

MemGEN™, SDRx, and Sophis™ Digital Services

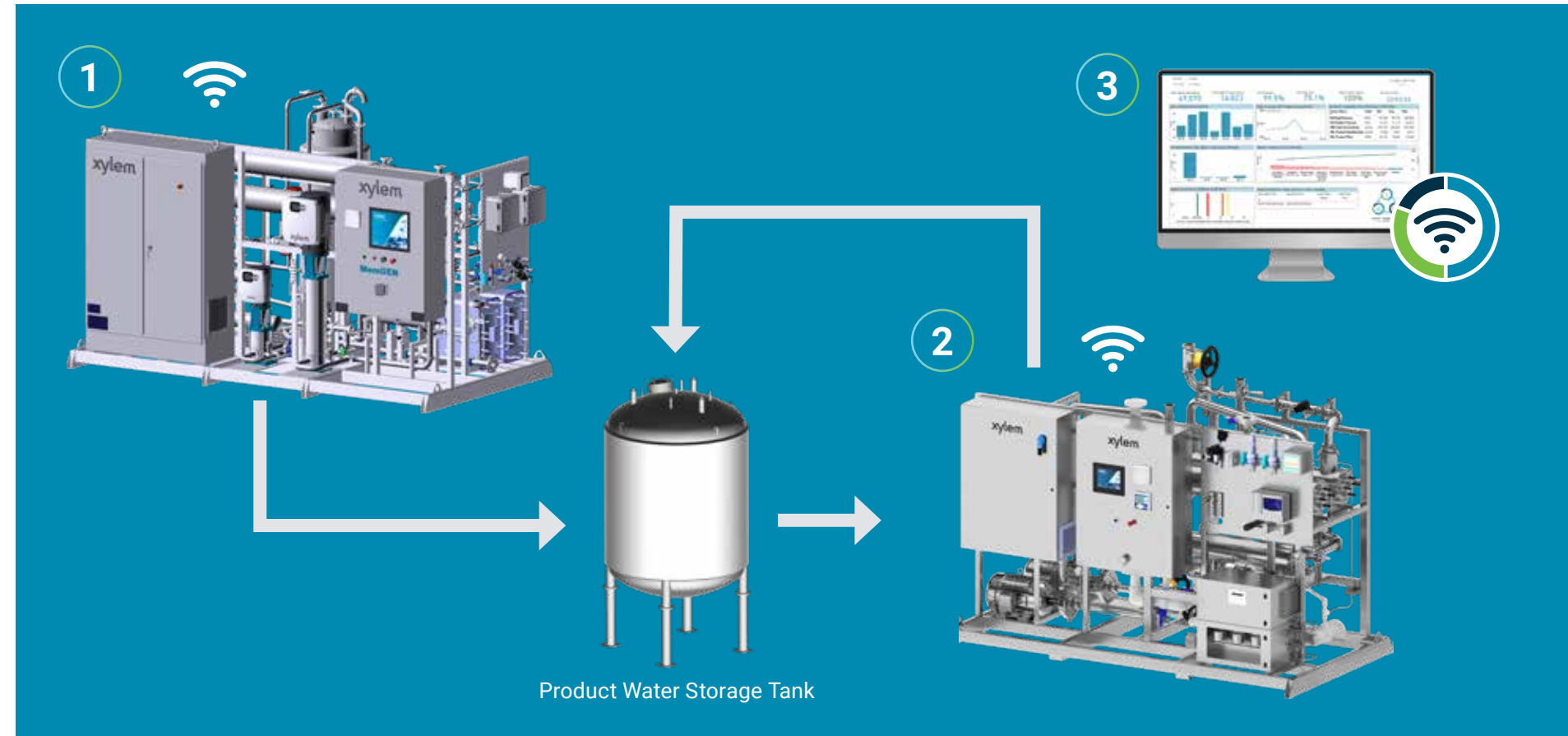
# Xylem's Fully Integrated Solution for Pharmaceutical Water

One System. One Standard of Excellence. One Partner.

Xylem delivers the complete pharmaceutical water solution - MemGEN™ Water Generation, SDRx Sanitization and Distribution, and Sophis™ digital services - for reliable Purified Water (PW) and Water for Injection (WFI). This fully integrated system is designed, built, and supported by one OEM to ensure complete compatibility from generation through all points of use, providing greater reliability, consistency, and ease of ownership.

## The Power of a Fully Connected System

MemGEN, SDRx, and Sophis work together as a fully connected, digitally-enabled system that ensures seamless compatibility, consistent quality, and real-time operational visibility. The MemGEN and SDRx platforms allow the system to be tailored to each site's processes, flow rates, and sanitization method for optimal performance. Unified validation documentation across generation and distribution streamlines qualification efforts and ensures consistent compliance. As an advanced digital add on, Sophis digital services provides real-time operational insights and performance monitoring of critical system parameters to proactively address problems before they occur—maintaining water quality standards and maximizing uptime.



## Xylem's Three Premier Technologies

The three premier technologies of Xylem's integrated pharma water system provide enhanced uptime, reliable performance, compliance readiness, and lifecycle efficiency for your pharma water process.

### 1 The MemGEN™ Water Generation Solution

The MemGEN™ Water Generation Solution is designed to overcome the recurring challenges of traditional pharma purification systems. Engineered for enhanced process and performance efficiency, it facilitates compliance with Global Pharmacopeia Standards for PW and WFI and maximizes lifecycle value.

#### Key features and benefits

- Reliable, regulatory-ready PW and WFI generation
- Pre-engineered, scalable design with high-quality components for long life
- Comprehensive GAMP-compliant validation documentation package and protocols
- Chlorinated break tank to mitigate bacterial growth
- Modular programming with premium PLC/HMI
- Premium IO link instrumentation and devices

### 2 SDRx Sanitization and Distribution System

The SDRx Sanitization and Distribution System is an automated platform, engineered to support routine sanitizations with minimal production disruption. It is configurable to sanitize via ozone, hot water, or both depending on the site's preferred method for minimizing microbial growth in the tank and loop.

#### Key features and benefits

- Designed to maintain and deliver high quality water while mitigating microbial growth
- Flexible sanitization methods with ozone or hot water to ensure an efficient, reliable system
- Capable of ozone generation via electrolytic or corona discharge
- If ozone is selected, boiler dependency is eliminated, enabling fast, controlled returns to service
- Configurable for site-specific validation needs and scalable to facility demand

### 3 Sophis™ Digital Services

Sophis Digital Services is a digital service add on that combines smart technology, data analytics, engineering expertise, and proactive service to efficiently manage the entire product lifecycle for peak performance. This ensures reliable, high-purity water, maximizing production uptime, and minimizing risk.

#### Key features and benefits

- 24/7 remote monitoring of critical system operating parameters
- Predictive analytics to anticipate problems and optimize efficiency
- Risk based alarm analysis prioritizes critical alerts for fast response
- Dedicated expert engineer support with analysis of process and operational data
- Real-time dashboard with system performance data and ongoing recommendations for optimizations



## Industry-leading service and support

Xylem AQUA pro service professionals are an important part of our industry-leading service and support.

AQUA pro specialists are highly trained, certified, and equipped to handle any water-related need with precision and efficiency. In addition to providing excellent service, Aqua Pros, along with other support personnel, provide hands-on technical training to our customer's teams. This helps our customers stay up to date on workflow operation, system warning signs, and maintenance for their specific system.

The strength of our service comes from years of industry expertise and our broad service center network. Xylem has more than 2,000 service professionals at 330 global service centers across 150 countries.

We're here when you need us thanks to our unmatched local service network in the U.S. and Canada.



[xylem.com/memgen](https://xylem.com/memgen)

All information presented herein is believed reliable and in accordance with accepted engineering practices. Xylem makes no warranties as to the completeness of this information. Users are responsible for evaluating individual product suitability for specific applications. Xylem assumes no liability whatsoever for any special, indirect or consequential damages arising from the sale, resale or misuse of its products. Subject to change without notice.

© 2026 Xylem Inc. or its affiliates. All rights reserved. MemGEN is a trademark of Xylem or one of its subsidiaries.

HPS-PHARM-SYSTEM-BR-EN-0226

**xylem**  
Let's Solve Water