



# **aquatechnik**

**Solutions for plumbing & plant-engineering**

***Precision Engineered PP-RCT 125 WOR Systems  
for Data Center Cooling***



## Engineered for Data Center Reliability

In the fast-paced world of data centers, **downtime is not an option**. That's why industry leaders are turning to **Aquatechnik** piping systems — the modern solution built for performance, reliability, and precision in mission-critical environments.

### Leak-Free. Scale-Free. Worry-Free.

Aquatechnik PP-RCT 125 WOR systems are designed with **heat fusion connections** that create a **homogeneous, leak-proof joint** — completely eliminating the risk of mechanical failure points. And unlike traditional metal piping, **PP-RCT 125 WOR is scale-free and corrosion-resistant**, ensuring **long-term (50 yrs<sup>+</sup>)**, **uninterrupted performance** in demanding cooling applications.

### Precision Cooling for a Digital World

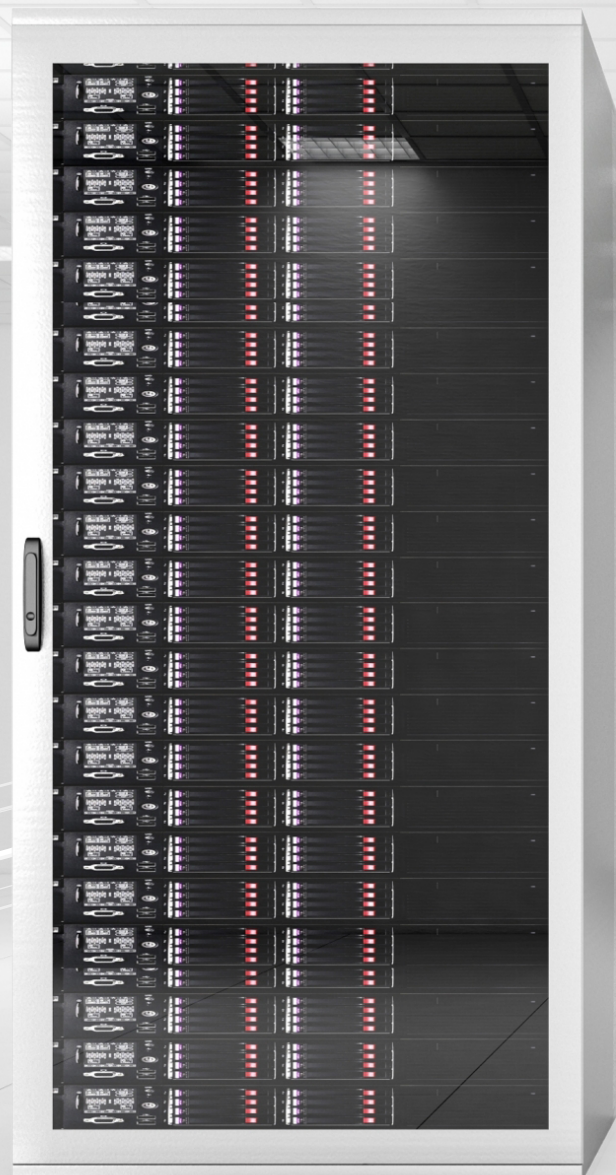
With the rise of cloud computing, AI, and big data, **data centres are more vital than ever** — and their cooling systems must keep pace. Aquatechnik PP-RCT 125 WOR delivers **exceptional reliability** where it counts most: maintaining optimal temperatures for sensitive server environments, with Aquatechnik **fusio-technik** FIBER-LIGHT Green Striped **SDR 17.6 pipe** performance ideal for chilled water and HVAC systems.

### Smart Installation, Minimal Downtime

Time is money. Our pre-fabricated PP-RCT 125 WOR manifolds can be custom-built off-site and delivered ready for rapid installation — minimizing disruption and keeping projects on schedule. Plus, the **heat fusion process is significantly faster** than traditional welding methods, and **safe to perform even in rooms with active servers** — no open flames, no hazardous fumes.

### **fusio-technik** Range Available

From Ø ½" to 24"

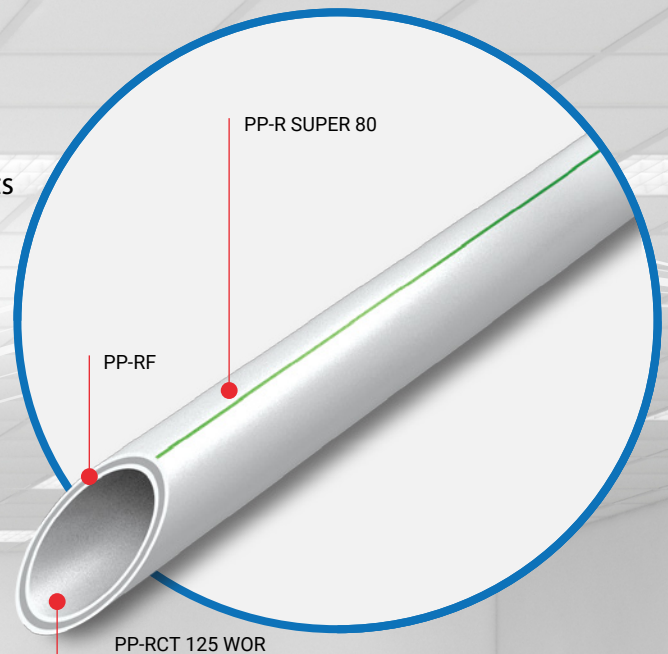


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— the trusted piping solution for the **data centers of the future.**

## Why Data Centres Choose Aquatechnik PP-RCT 125 WOR:

|                           |                                                                                 |
|---------------------------|---------------------------------------------------------------------------------|
| <b>No leaks:</b>          | Seamless heat fusion joints                                                     |
| <b>No corrosion:</b>      | Chemical and scale-resistant                                                    |
| <b>No welding:</b>        | Safe for installation near live equipment                                       |
| <b>Fast installation:</b> | Faster than steel welding due to light weight pipe and quick heat fusion joints |
| <b>Future-proof:</b>      | Ready for the growing demands of tomorrow's data infrastructure                 |



### **fusio-technik FIBER-LIGHT Advantages**

- The leader in high flow rate and low pressure drop
- Resistant to lime, cement, plaster and electro-chemical reaction
- Completely compatible with warm and cold fluids
- No scaling, corrosion or biological build-up
- 1/5th lighter than metal pipe
- Injection molded fittings up to 12" diameter
- Easy, safe flame-and-fumes free installation, plus low maintenance
- Approved and tested to ANSI/ASHRAE standard 90.1 and ULC S102.1 with approved 1/2" insulation
- Thermal Conductivity @ 68°F: 0.0423 BTU/(h•ft•°F)
- **Comprehensive 30-year warranty**



# aquatechnik

Comprehensive line of innovative pipe solutions

**multi-color**



Wide range of high quality multilayer pipes in PE-X and PERT with antioxygen barrier; as well as special UV coated 7/8" pipe.

**safety<sup>plus</sup>**



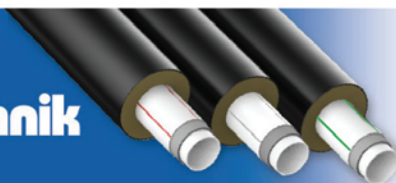
Patented system of synthetic material fittings

**fusio-technik**



Pipes and fittings in PP-RCT WDR for polyfusion welding

**iso-technik**



Pre-insulated pipes and fittings in PP-RCT WDR for polyfusion welding

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