COMMERCIAL

HIGH-CAPACITY ULTRAFILTRATION LEGIONELLA & PATHOGEN CONTROL



Point-of-Entry Point-of-Use Hot Water Recirc Treatment



Water Control Corporation An Employee-Owned Company



HUF

CONCEPT TO COMMISSIONING: LEGIONELLA & PATHOGEN CONTROL MADE SIMPLE

WCC offers several High-Capacity Ultrafiltration (HUF®) tools in the fight to control Legionella and pathogen levels in building water systems. Our *HUF® systems, featuring hollow fiber membrane technology from German innovators, Seccua GmbH, filter out nearly ALL bacteria, parasites, viruses, and nutrient particulates, with low pressure loss. This keeps systems clean, minimizing biofilms, fouling, corrosion, and risk of disease outbreak. Disinfectant residuals (whether provided municipally or onsite) remain in the water, with much higher effectiveness, due to drastically reduced biomass and sediment. This adds up to healthier buildings, happier residents, and reduced liability risk to owners.*

TYPE 1 » POINT-OF-ENTRY TREATMENT:

- >99.999% bacterial, protozoan, and sediment reduction (>99.99% viral reduction)
- Flow-through filter design (no constant waste stream) with low pressure loss
- Dissolved substances remain in water (disinfectants, minerals, etc.)
- Long membrane life (10+ yr typical) with EPA-compliant integrity verification
- Minimal maintenance: Self-cleaning (flushes 1-4 times daily)
- 3-month datalogging of GPM, inlet/oultlet pressure, and status
- BAS, Ethernet, and cellular integration options
- Simple, 120VAC power supply (7 FLA), plug included

POINT-OF-ENTRY SYSTEMS: Standard Units



¹Assumes 50°F, reasonable-quality city water supply and normal membrane fouling ²Equals possible GPM flow for indicated draw duration @20 PSID, using 25% of nominal hydro tank volume ³Percentage of total calculated fixture units derived from flush valves and other "short-cycle" fixtures ⁴Other configs. possible. Includes (bag) pre-filter(s) and standard hydro tanks

5Virex Pro filter unit is wall-mounted. All other systems (including pre-filters and hydro tanks) are floor-mounted 4Drain line connection is 1° on Virex Pro and 2° on all GT models 7Standard flush duration is 10 seconds (may be increased, dependent on feed water quality)





System and accessory characteristics (including dimensions) are subject to change without notification.



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TYPE 2 » **POINT-OF-USE TREATMENT:**

- Provide safe water to cooling towers, humidifiers, misters, water features, and banks of fixtures
- >99.999% bacterial, protozoan, and sediment reduction (>99.99% viral reduction) _
- Flow-through filter design (no constant waste stream) with low pressure loss .
- Dissolved substances remain in water (disinfectants, minerals, etc.) -
- Flushable membrane for long service life (GT = automatic flush, Basic = manual flush) _
- Intuitive control system with 73 PSI pressure relief mechanism (GT only) _
- Working temperature range: 40°-104°F
- Max inlet pressure: 72 PSI

POINT-OF-USE SYSTEMS: Available Units

| | UrSpring GT | UrSpring Basic |
|--|------------------------|------------------|
| Model | URSGT200 | URSB200 |
| Flow Range @ 25 PSID ¹ | 8 – 11 GPM | 8 – 11 GPM |
| Flow Range @ 15 PSID ¹ | 6 – 9 GPM | 6 – 9 GPM |
| Flow Range @ 10 PSID ¹ | 3.5 – 5 GPM | 3.5 – 5 GPM |
| Bacteria Reduction | >99.999% | >99.999% |
| Virus Reduction | >99.99% | >99.99% |
| Inlet/Outlet Connections | 3⁄4" FNPT or SWT | 3⁄4" FNPT or SWT |
| Drain Line Size | 3/4" | 3/4" |
| Min Flush GPM (to drain ²) | 8 | 8 |
| Flush Duration | 10 seconds | 10 seconds |
| Max Filtration PSID ³ | 32 | 32 |
| Flush Mechanism | Automatic ⁴ | Manual valve |
| Membrane Life⁵ | 3 years (typ) | 3 years (typ) |
| Maximum Hardness | None | None |
| Maximum Iron | 2 PPM | 2 PPM |
| Flow and PSID Monitoring | Yes | No |
| Electrical Requirements | 120v, 1ph (5W) | None |
| ¹ Based on 70-100% permeability and 50°F feed. Install multiple units or increase temp. for greater flow NSF/ANSI 61 COMPLIAN | | |



UrSpring GT

UrSpring Basic

²Install ball or gate valve on drain line if flow exceeds drain capacity ³System will relieve excess supply pressure to drain and activate alarm if 32 PSID exceeded during filtration

4Flush cycle initiated when user-defined loss in permeability reached (flow rate vs PSID)

⁵Assumes reasonable-quality city water feed (may vary by installation)





NSF/ANSI 61 COMPLIANT

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TYPE 3 » HOT WATER RECIRC TREATMENT:

- Continuously filter hot water as it recirculates around the facility
- >99.999% bacterial, protozoan, and sediment reduction (>99.99% viral reduction)
- Significant reductions in nutrient load and bacterial counts
- Flow-through filter design (no constant waste stream) with low pressure loss
- Disinfectants remain in water, with higher effectiveness
- Flushes on % fouling and operating time
- Intuitive control system with 73 PSI pressure relief mechanism (protects water heaters)
- Working temperature range 40°-158°F (max intermittent temp: 170°F)
- Max inlet pressure: 72 PSI

| | UrSpring HotWater | |
|--|------------------------|--|
| Model | URSHW200 | |
| Flow Range @ 7 PSID ¹ | 5.1 – 7.4 GPM | |
| Flow Range @ 5 PSID ¹ | 4.3 – 6.2 GPM | |
| Flow Range @ 2 PSID ¹ | 2.5 – 3.6 GPM | |
| Bacteria Reduction | >99.999% | |
| Virus Reduction | >99.99% | |
| Inlet/Outlet Connections | 3⁄4" FNPT or SWT | |
| Drain Line Size | 3/4" | |
| Min flush GPM (to drain ²) | 8 | |
| Flush Duration | 10 seconds | |
| Max Filtration PSID ³ | 32 | |
| Flush mechanism | Automatic ⁴ | |
| Membrane Life ⁵ | 1 year (typ) | |
| Maximum Hardness | None | |
| Maximum Iron | 2 PPM | |
| Flow and PSID Monitoring | Yes | |
| Electrical Requirements | 120v, 1ph (5W) | |

Based on 70-100% permeability and 120°F water temp. Install multiple units or increase temp. for greater flow 2Install ball or gate valve on drain line if flow exceeds drain capacity

³System will relieve excess supply pressure to drain and activate alarm if 32 PSID exceeded during filtration ⁴Flush cycle initiated when user-defined loss in permeability reached (flow rate vs PSID) ⁵Assumes reasonable-quality city water feed

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May also be installed on parallel loop with jockey pump (Dimensions identical to UrSpring GT - see previous page)

THE WCC DIFFERENCE

- Easy-to-use system design questionnaires
- 3D (Revit®) renditions for every system
- Custom AIA® format specifications
- Detailed project submittals
- Project-specific installation diagrams
- Intuitive, adaptable controls
- Large network of local representatives and service agents



TO GET STARTED ON YOUR HIGH-CAPACITY ULTRAFILTRATION PROJECT:



To find your authorized WCC representative, please visit: www.watercontrolinc.com/ representative-locator/. Go to www.watercontrolinc.com, where you'll find detailed product specification info and application design questionnaires. SPEAK DIRECTLY WITH ONE OF WCC'S DESIGN ENGINEERS

Call 1-866-405-1268 or email techsupport@watercontrolinc.com.

We look forward to working with you!

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