

DEFEAT THE HIDDEN THREATS IN HYDRONIC WATER SYSTEMS

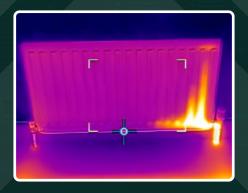
Award-Winning Filtration Technology for Unmatched Asset Protection













Validated by industry experts, engineered for sustainability & cost savings.





NEXO INTERNATIONAL

THE REAL COST OF POOR WATER QUALITY

Water quality is critical to the efficiency of closed-loop heating and cooling systems. Poor water quality can lead to several issues, including:

Common Issues

SCALE FORMATION



Leads to energy loss, erosion corrosion, localized heat damage, and bacterial growth.

CORROSION



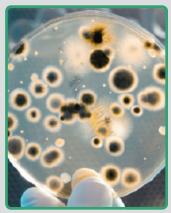
Material degradation causing deposits, pinholing, blockages, and equipment failure.

FOULING



Breakdown of inhibitors and glycol, causing acidic conditions, accelerated corrosion, and gassing.

MICROBIAL GROWTH



A mix of chemical and biological contamination leading to inefficiencies and failures

Impacts

ENERGY LOSS

Inefficient systems increase operational costs, energy use, and CO2 emissions.

BREAKDOWNS & FAILURES

Corrosion and biological deposits cause premature system failures.

HIDDEN COSTS

Standard filters can't capture high contamination levels, leading to frequent technician visits

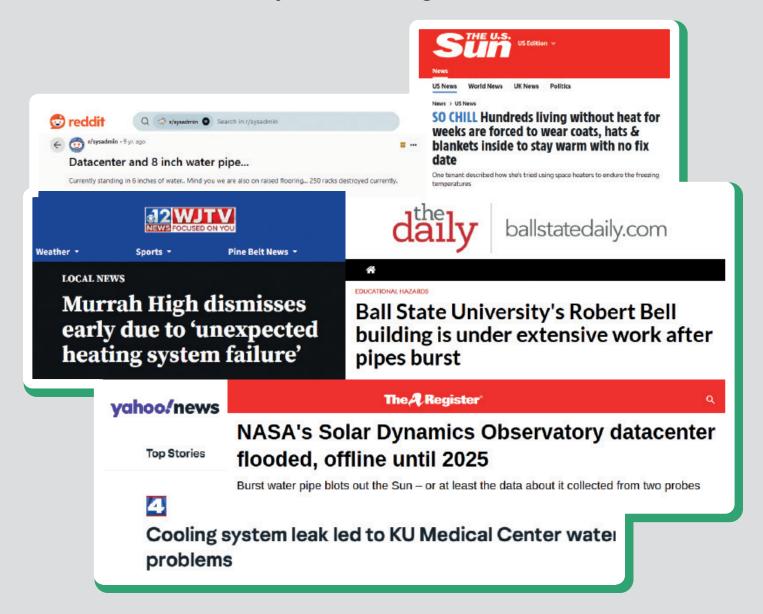
SUSTAINABILITY RISKS

Poor water quality jeopardizes HVAC efficiency and CO2 reduction targets.

Side stream filters address these problems by filtering a small percentage (5-15%) of the total water flow, allowing the entire system volume to be filtered within a 24-hour period. Integrating side stream filtration with a comprehensive water treatment program is essential for preventative maintenance, primarily aimed at extending the operational life of mechanical components. Maintaining clean water and removing the interaction between scale, corrosion, biofilm, and suspended solids helps prevent expensive repairs, reduce energy consumption, and extend the lifespan of your equipment.

VEXO offers a range of filtration products tailored for heating and cooling circuits. The X-POT range has been successfully implemented in both new installations and older, highly corroded, and contaminated systems that initially lacked filtration solutions. By ensuring thorough filtration and water treatment, VEXO's X-POT helps maintain optimal system performance and reliability, preventing costly repairs and extending the lifespan of your equipment.

Stories of When Untreated Systems Go Wrong



THE ULTIMATE DEFENSE AGAINST SYSTEM FAILURE

MULTI-TECHNOLOGY PATENTED DESIGN

Captures more contaminants than standard filters.

MAGNET-ONLY PRE-FILTRATION

Extends filter life and improves efficiency.



Reduces maintenance costs and energy waste.

INDUSTRY VALIDATION

Peer-reviewed technical studies, award-winning performance.

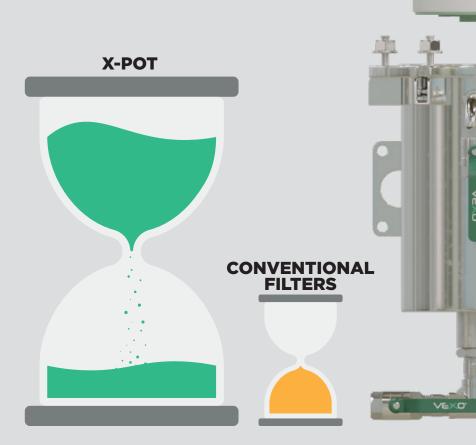
SUPPORTS CHEMICAL & NON-CHEMICAL WATER TREATMENT

Ensuring long-term system protection.

Every day we've been able to catch something and it's made our building performance that much better by removing all the material that's being caught by the X-POT. The better the quality the water the more efficient the system will perform.

Brett Fowler, Maintenance Supervisor The Pennsylvanian Appartments







At VEXO, we understand that each sector faces unique challenges and demands specific solutions. Our expertise in water treatment and hydronic system management has enabled us to develop and refine solutions that cater to various industries, ensuring optimal performance, sustainability, and efficiency.

CASE STUDIES & WHITE PAPERS

Including testimonials of success stories.

PROVEN RESULTS

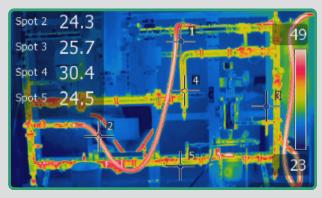
Facilities reduced costs and extended asset life.

INDEPENDENT DATA

Validation of superior filtration & energy savings.







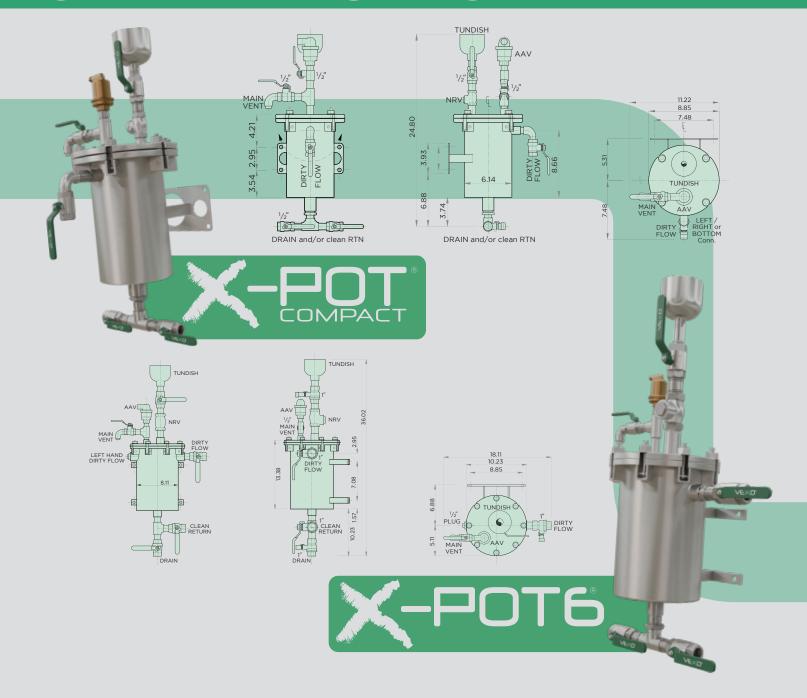
Thousands of installations worldwide have resulted in 100% positive client feedback, showcasing the effectiveness of the X-POT in real-world applications.



- Offices - Skyscrapers - Data Centres
- Military - Federal - Local Government
- Factories - Processing Plants

And much more!

X-POT STANDARD UNITS



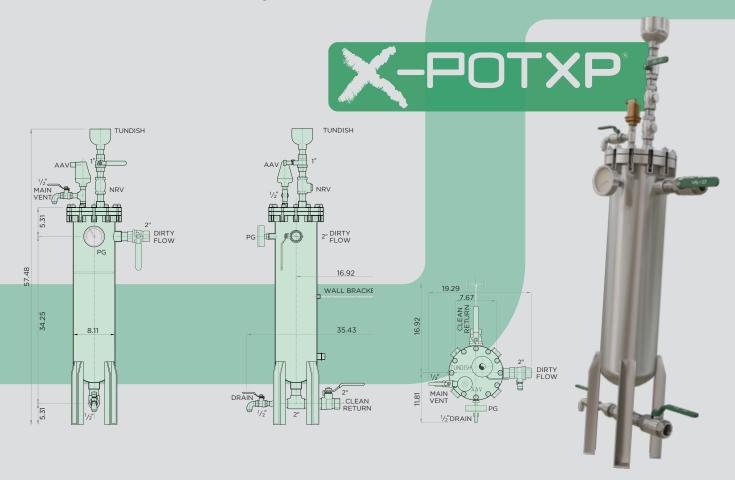
MODEL	MAX. WORKING PRESSURE	MAX. SYSTEM VOLUME	MAX. SYSTEM BTU	MAX. SYSTEM HP	MAX. FLOW RATE	PIPE CONNECTION
X-POT COMPACT	150 PSI	9,130 US gal	9.84MM	294 HP	Up to 6.34 GPM	1/2" NPT
X-POT6°	150 PSI	22,824 US gal	24.6MM	735 HP	Up to 15.85 GPM	1" NPT
X-POTXP	232 PSI	79,876 US gal	86.12MM	2,572 HP	Up to 55.47 GPM	2" NPT



X-POT COMPACTIdeal for small-scale commercial applications.

X-POT 6
Designed for mid-sized HVAC systems.

X-POT XP
The ultimate solution for large-scale and industrial facilities.



MODEL	FILTRATION RATE	MAGNETIC GAUSS	VOLUME IN VESSEL	MIN. WORKING TEMPERATURE	MAX. WORKING TEMPERATURE
X-POT°	Down to 0.5 micron	4No. 8000 Gauss Neodymium Magnets	1.18 US gal	32°F	203°F
X-POT6	Down to 0.5 micron	6No. 8000 Gauss Neodymium Magnets	2.6 US gal	32°F	203°F
X-POTXP	Down to 1 micron	13No. 8000 Gauss Neodymium Magnets	6.6 US gal	32°F	203°F

X-POT PLUS & HIGH PRESSURE UNITS



MODEL	MAX. WORKING PRESSURE	MAX. SYSTEM VOLUME	MAX. FLOW RATE	PIPE CONNECTION
X-POTXP*	232 PSI	79,885 US gal	Up to 55.47 GPM	2" NPT
X-POTXXP	435 PSI	79,885 US gal	Up to 55.47 GPM	2" NPT
X-POTH:	145 or 435 PSI	684,734 US gal	Up to 475.51 GPM	6" Flange



Insulation **Jackets**



Compliant with ASHRAE 90.1.

Technician Site Test Kits & Lab Services



System water testing options.

PD-Monitor



Proactive filtration performance monitoring.

X-PO® 100 & Biocide **Additives**



Core treatment solutions.



MODEL	FILTRATION RATE	MAGNETIC GAUSS	VOLUME IN VESSEL	MIN. WORKING TEMPERATURE	MAX. WORKING TEMPERATURE
X-POTXP*	Down to 1 micron	13No. 8000 Gauss Neodymium Magnets	6.6 US gal	32°F	203°F
X-POTXXP	Down to 1 micron	13No. 8000 Gauss Neodymium Magnets	6.6 US gal	32°F	203°F
X-POT#	Down to 1 micron	52No. 8000 Gauss Neodymium Magnets	55.4 US gal	32°F	203°F

VEXO X-POT INDICATIVE INSTALLATION LAYOUT

NOTE

For pipe and

size

connections

refer to the

connections

COOLING SYSTEMS

N

PIBV

(Not Supplied)

X-POT

Flow rate set point &

pipe connection

calculations

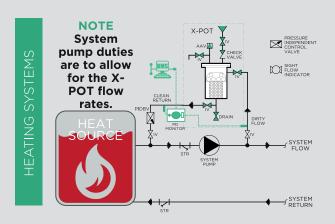
The size of the pipe connections and

flow rate set point to the X-POT is determined by the total system

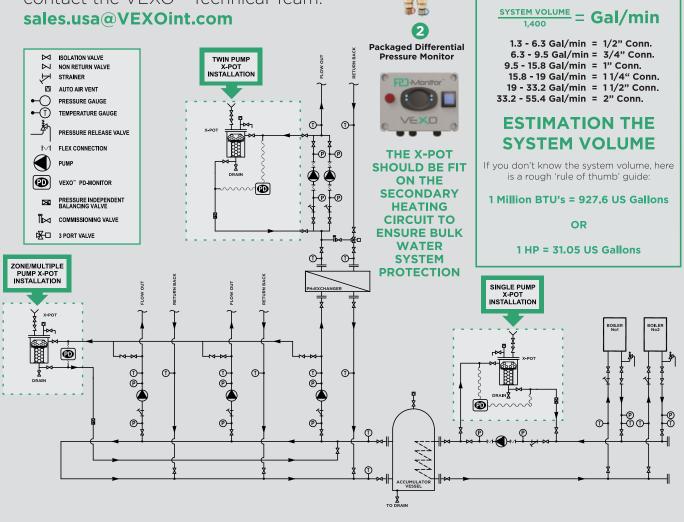
volume - circulated through the X-POT in a 24-hour period.

SIGHT FLOW INDICATOR

> SYSTEM FLOW



The X-POT™ provides a number of installation solutions. These examples are **indicative only**. If your system cannot accommodate any of these scenarios due to complexity, please contact the VEXO™ Technical Team:



NOTES

BUY ONCE, BUY RIGHT Don't Let Water Quality Jeopardize Your System - Invest in X-POT













