

Specialty Products For Hydronic Systems



System
Feeders



H₂O
Demineralizers



Condensate
Neutralizers



System
Cleaners



PEX-Pal
Organizers



Sidestream
Filters / CBF



Hydro-NODE
Tank Brackets



Condensate
Pumps

2023

Digital Mini System Feeder

Feature-Rich User Friendly Digital Control

- User Defined Pressure Setting (0-45psi)
 - With adjustable cut-in / cut-out setting
- User Defined Low Pressure Alert
- User Defined High Pressure Alert
- Low Level Alert Output
- LED Warning Indicator
- Set-up and Diagnostic Menu

Tilted 5" easy fill access on front of tank

DMF150 (4.5 USG) or DMF300 (17 USG) tank for storage and mixing of system make-up fluid

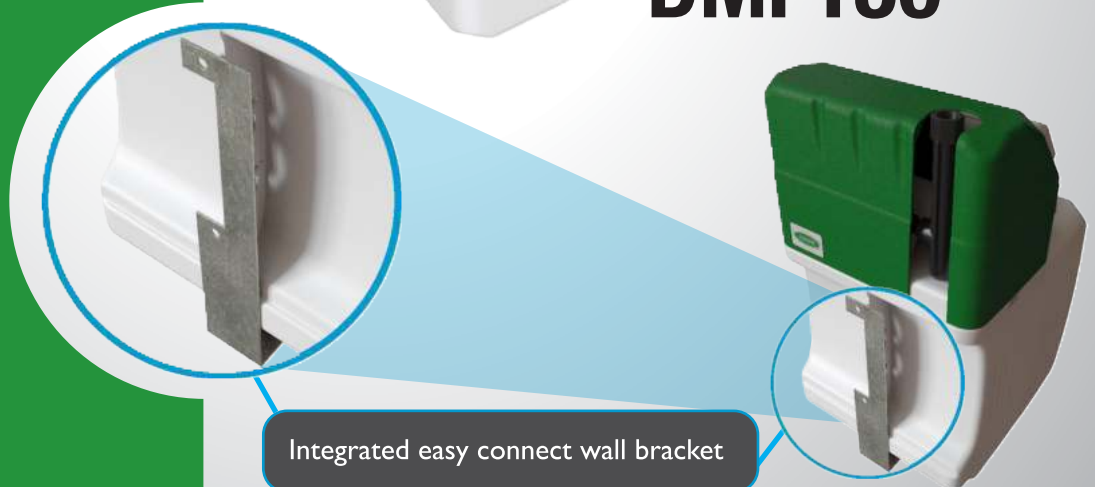
Translucent reservoir provides visual notice that system may have developed a leak and mitigates potential for flooding disaster



DMF300












DMF150



Integrated easy connect wall bracket

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System Feeders

PressurePal

Axiom System Feeders are designed to simplify the process of maintaining the cold static fluid pressure in closed-loop heating and cooling systems. Having a reservoir of suitable make-up fluid eliminates the need for backflow prevention and helps solve many of the associated problems when using domestic water as a make-up fluid.

Applications:

System Feeders are ideal for boiler/chiller systems, snow/ice melt circuits, outside air heating/cooling glycol coils, geothermal and solar heating systems.

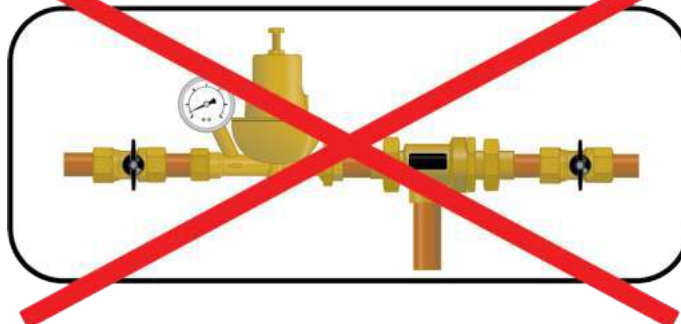
Features and Benefits

- * Automatically maintains a minimum system pressure at a user defined setting
- * Feeders are compatible with both water and glycol/water solutions
- * **Provides leak detection** – dropping fluid level provides immediate notice that the system is losing fluid
- * **Prevents major floods** – in the event of a system rupture, only the contents of the tank will be pumped into the system
- * All units plug into any standard 115VAC outlet
- * Diverter valve allows easy purging of air on initial start-up and manual mixing of fluid in the tank
- * Fluid drained for service from the system can easily be recovered and used to replenish the system following service
- * Fluid level switch shuts the pump off if the storage tank level gets too low
- * Does not require any annual recertification testing

THIS



REPLACES THIS





Residential



DMF150



MF200

DMF150

- * 0-45 psi (0-310 kPa)
- * 4.5 USG
- * Feature Rich Digital Pressure Controller
 - Large digital display
 - Simple up/down button set-up
 - Dry contact alarm (low level, low/high pressure)
 - Comes with wall bracket

MF200

- * 10-25 psi (70-172 kPa)
- * 6.0 USG
- * Comes with funnel to simplify filling

Light Commercial



DMF300

DMF300

- * 0-45 psi (0-310 kPa)
- * 17 USG
- * Feature Rich Digital Pressure Controller
 - Large digital display
 - Simple up/down button set-up
 - Dry contact alarm (low level, low/high pressure)
 - Comes with wall bracket

Commercial



SF100

SF100

- * 5-55 psi (Higher pressure models also available)
- * 55 USG (Larger reservoir tanks also available)
- * Can be configured with multiple pumps, multiple PRV's for independent system control
- * Accumulator tank prevents internal pump from cycling
- * Eliminates the need for backflow prevention on closed-loop systems
- * ETL Listed
- * Additional configuration with multiple PRV's, pumps, & alternating control panel are available

SF100 Specialty Build Options (SF100-x-xx):

- | | |
|--|--|
| * HP-L (100 USG, 25-85 psi) | * UHP (35-125 psi) |
| * 2PRV (Unit Designed for 2 Systems) | * UHP-L (100 USG, 35- 125 psi) |
| * 2PRV-L (100 USG, 2 Systems) | * D (Dual Pump) |
| * 2PRV-HP (25-85psi, 2 Systems) | * D-2PRV (Dual Pump, 2 Systems) |
| * D-P-4x (Dual Pump, Alternating Control Panel NEMA4X) | * D-P (Dual Pump, Alternating Control Panel) |

Custom units available upon request

System Feeders



Visit our sizing calculator online at
www.axiomind.com

System Feeder Selection Chart

Which System Feeder is right for you?

Use the calculator below to determine which system Feeder will best suit your application.

Feeder Sizer
System Details :

Total System Volume (Gal.):

Cold Static Fill Pressure (psi):

SELECT

Model	System Volume	System Cold Static Fill Pressure
DMF150 (4.5 USG)	Below 285 L (75 US Gal)	0 to 310 kPa (0-45 psi)
MF200 (6 USG)	Below 285 L (75 US Gal)	69 to 170 kPa (10-25 psi)
DMF300 (17 USG)	285-1135 L (75-300 US Gal)	0 to 310 kPa (0-45 psi)
SF100 (55 USG)	1135-3030 L (300-800 US Gal)	35-380 kPa (5-55 psi)
SF100-HP (55 USG)	1135-3030 L (300-800 US Gal)	170-585 kPa (25-85 psi)
SF100-L (100 USG)	Above 3030 L (800 US Gal)	35-380 kPa (5-55 psi)

ACCESSORIES

Alarm Panel



RIA10-1-SAA

Low-Level Audible & Visual Alarm Panel for use with building management systems

Wall Bracket



MF200-1430

Wall bracket assembly for mounting MF200 System Feeder to the wall

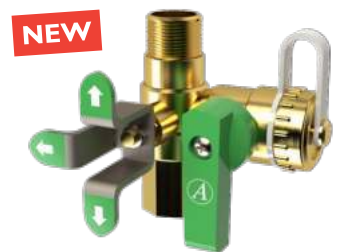
Hydro-NODE Bracket



HN-3

Expansion Tank Wall Bracket comes with pressure gauge, manual air vent, two 1/2" isolation ball valves and one ETV-1

Expansion Tank Valve



ETV-1

Multi-Position Service Valve that simplifies the process of filling, isolating and servicing hydronic expansion tanks

Another innovative product from Axiom

NC-1W



Twist off capsule allows quick media replacement

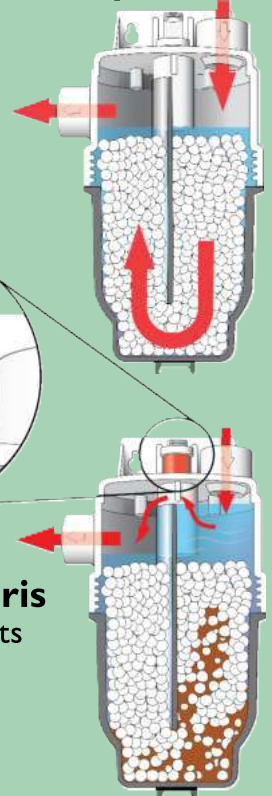
* NEW 100% POLYPROPYLENE CAPSULE *

Reversible wall-mounted bracket

Manual reset float indicates unit in bypass mode and requires maintenance

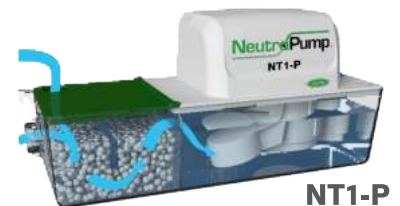
LipHter+ media

Normal Operation



Clogged with Debris
Integral bypass prevents condensate backup

JOINS OUR FAMILY OF CONDENSATE NEUTRALIZERS



NC-S "HARD PIPE KIT" INCLUDES:



NC "FULL KIT" INCLUDES:



Ideal for
condensing appliances

Condensate Neutralizers

NeutraPal™



NC-1 "Full Kit"

NC-1S "Hard Pipe Kit"



NC-2 "Full Kit"

NC-2S "Hard Pipe Kit"



NC-1W

"Wall mounted"



* New 100% Polypropylene Capsule *

Condensate fluid that is formed inside fuel burning appliances is acidic and has the potential to harm the environment and drainage systems. Axiom condensate neutralizers:

- Raise the pH level of the acidic condensate to a more neutral level which:
 - Prevents acidic fluid from damaging drains, sewer systems and concrete
 - Helps maintain a safe environment for bacteria in septic systems
- Made with corrosion resistant materials for long term durability
- Tanks and capsules come with connection hardware kits
- Includes an initial charge of Axiom's unique blend of LipHter⁺ neutralizing media

NeutraPal Series are designed with versatility in mind. Units can be either floor or wall mounted and are ideal for use with gas burning condensing appliances with low condensate outlets.

Features

- Compact capsules minimize the overall footprint
- Offset outlet connection increases the fluid contact time with LipHter⁺ media for maximum performance
- Ideal for residential and light commercial appliances (up to 1,000,000 btu/h)
- Three available kit options
 - NC-1 & NC-2 "Full Kit" comes with connection hardware and tubing.
 - NC-1S & NC-2S "Hard Pipe Kit" comes with PVC socket adapters
 - NC-1W "Wall Hung" Neutralizer

NeutraPro™

NT15



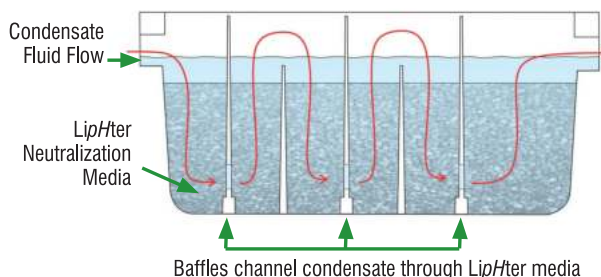
NT25

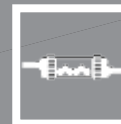


NeutraPro Series are designed to neutralize large volumes of acidic condensate at higher flow rates. They are constructed of corrosion resistant polypropylene material and include 1" NPT PVC union connections.

Features

- Integral baffles that weave the acidic fluid through Axiom's unique blend of LipHter media for maximum neutralization
- Low inlet connections accommodate near floor condensate outlets
- Ideal for commercial gas-burning appliances (up to 7,000,000 btu/h)
- Integral bypass feature prevents condensate backflow





NeutraPump™

NeutraPump Series are designed for the dual purpose of neutralizing acidic condensate and pumping the fluid to a suitable location.

NT1-P



NT25-P18



NT70-AP43



Features

- Integral baffles force the acidic fluid through Axiom's LipHter⁺ media for maximum neutralization
- Pumps come with auxiliary dry contacts in event of a high-level fluid condition
- Pumps are ETL certified and come with standard 120v plug-in connection

NT1-P Features

- Ideal for residential or light commercial appliances (up to 500,000 btu/h)
- Low profile design that can be wall or floor mounted with multiple connection options:
 - Two connections that direct fluid through LipHter⁺ media
 - One connection that bypasses neutralizing media
- Pump is capable of 20-feet of vertical lift

NT25-P18 Features

- Ideal for commercial appliances
- Pump is capable of 18-feet of vertical lift at design flow rate
- 1" NPT condensate inlet connection

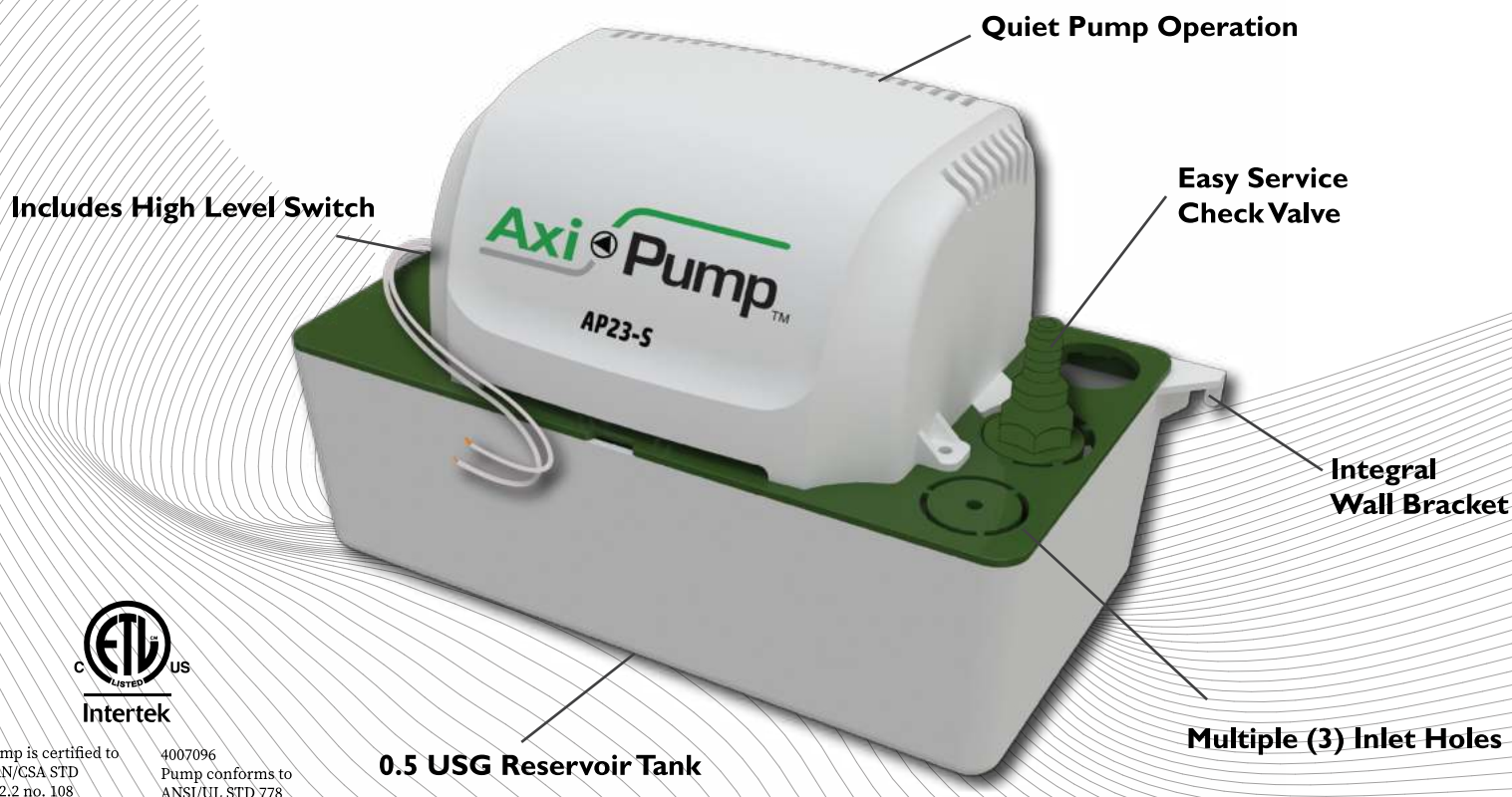
NT70-AP43 Features

- Ideal for large commercial and industrial appliances
- Pump is capable of 10-feet of vertical lift at design flow rate
- 1½" NPT condensate inlet connection on tank
- Multiple (1") condensate inlets on pump

Model	BTU/hr at operating efficiency	Condensate Flow Rate
NeutralPal Series		
NC-1 & NC-1S	400,000 @ 93%	1.6 Gal/hr
NC-2 & NC-2S	1,000,000 @ 93%	4.0 Gal/hr
NC-1W	400,000 @ 93%	1.6 Gal/hr
NeutraPro Series		
NT15	3,000,000 @ 96%	20 Gal/hr
NT25	7,000,000 @ 96%	45 Gal/hr
NeutraPump Series		
NT1-P	500,000 @ 93%	1.9 Gal/hr
NT25-P18	6,000,000 @ 96%	40 Gal/hr
NT70-AP43	20,000,000 @ 96%	132 Gal/hr

Condensate Pumps

AP23-S



Residential

23' Lift
Suitable For All HVAC Equipment
(Boilers, Furnaces, Air Conditioners)



▶ Comes with High Level Switch

Commercial

43' Lift
Suitable For All HVAC Equipment
(Boilers, Furnaces, Air Conditioners)



- ▶ Rated For High Temperature
(Up to **212 °F/100 °C**)
- ▶ Comes with High Level Switch



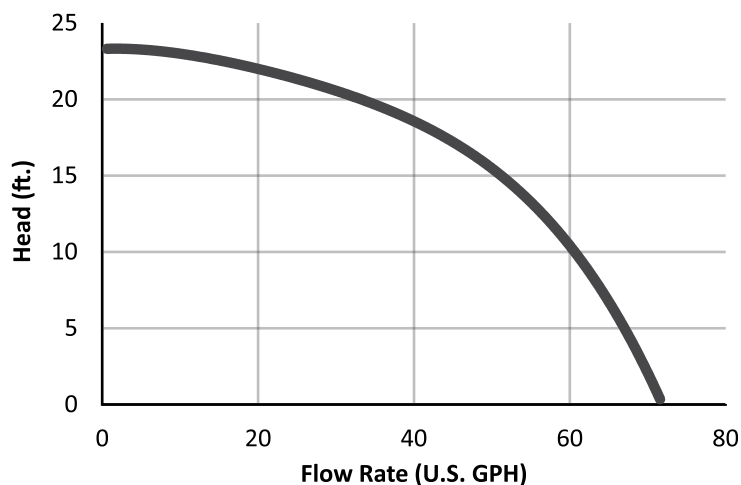
Axi-Pump Condensate Pumps automatically remove the condensate fluid produced from HVAC appliances like air conditioners and dehumidifiers, and acidic water generated from high-efficiency furnaces, boilers, and tankless water heaters.



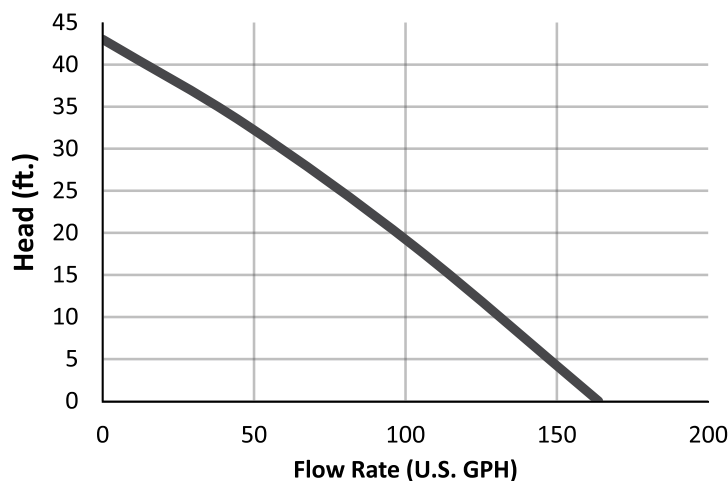
Features and Benefits

	AP23	AP23-S	AP43-HTS
High Level Switch		✓	✓
Integral Wall Mount	✓	✓	
Multiple Inlet Holes	✓	✓	✓
Quiet Pump Operation	38 dB	38 dB	60 dB
Thermally Protected	✓	✓	✓
Corrosion Resistant Material	✓	✓	✓
Stainless Steel Pump Shaft	✓	✓	✓
Max Fluid Temperature	140°F (60°C)	140°F (60°C)	212°F (100°C)
Continuous Duty	✓	✓	✓
Minimum Fluid pH	2.3	2.3	2.3
ETL Listed	✓	✓	✓

AP23 Series Pump Curve

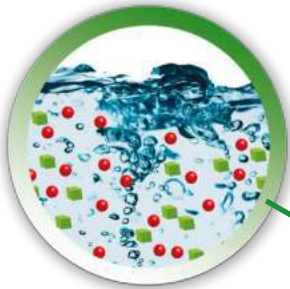


AP43-HTS Pump Curve

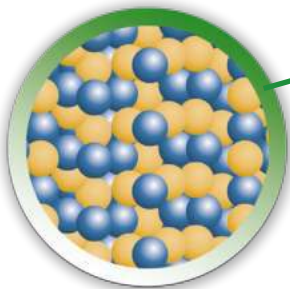


PURO PAL

-1



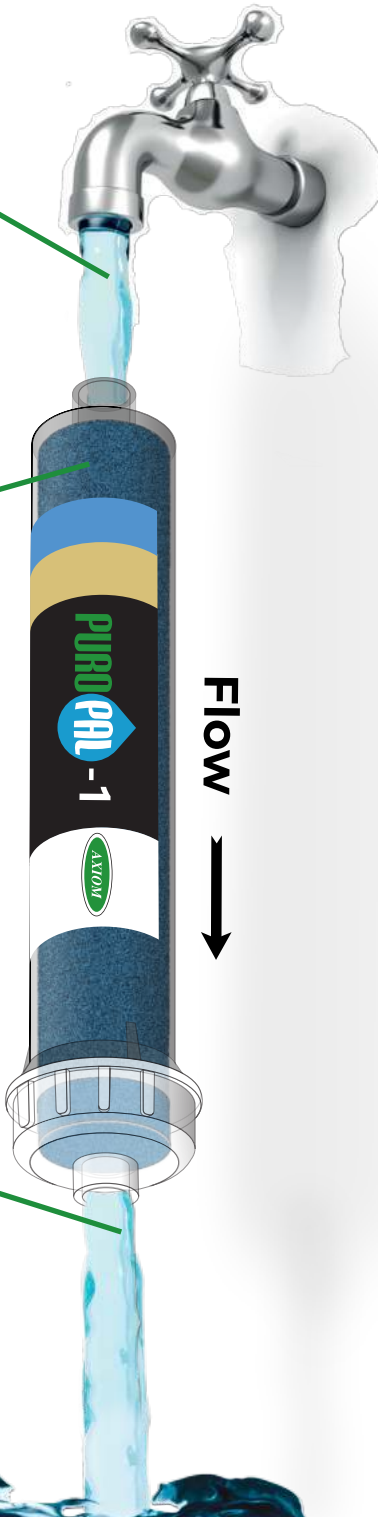
Domestic water with minerals and gases



Special Purolpal 2-component mixed bed resin



Fully demineralized water through ion exchange



Demineralizers prevent valuable metal components in closed loop hydronic systems from corroding and scaling

H2O Demineralizer Benefits

- Removes scale producing ions like calcium and magnesium that reduce boiler efficiency and can lead to heat exchanger failure
- Removes aggressive salts such as:
 - Nitrates which cause corrosion
 - Sulfates which attack copper piping
 - Chlorides which cause stress corrosion cracking in stainless steel
- Lowers electrical conductivity, which reduces corrosion by slowing the rate of oxidation
- Demineralized water meets the strict water quality requirements from boiler and glycol manufacturers
- An economical and convenient alternative to pre-blended/diluted glycol

H₂O Demineralizers



Disposable cartridges are ideal for use on job specific residential and light commercial water treatment applications. Use the PuroPal series of disposable cartridges to provide demineralized water, rather than paying a premium and transporting treated water to site or purchasing pre-blended glycol solutions. Simply carry the cartridge inside, hook up to the site's water supply with garden hose connections, and begin delivering demineralized water through the PuroPal cartridge's ion-exchange resin.

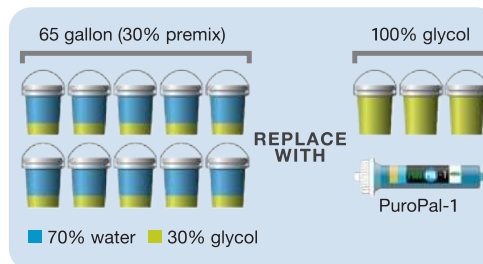
DISPOSABLE CARTRIDGES

PuroPal-1



PuroPal-1

- ◆ Disposable cartridge with a translucent exterior
 - When media is expired the resin will change from blue to beige
- ◆ Designed for single point of use applications
 - One PuroPal-1 cartridge will treat approximately 65 USG (inlet water 200ppm)



PuroPal-1000



PuroPal-1000

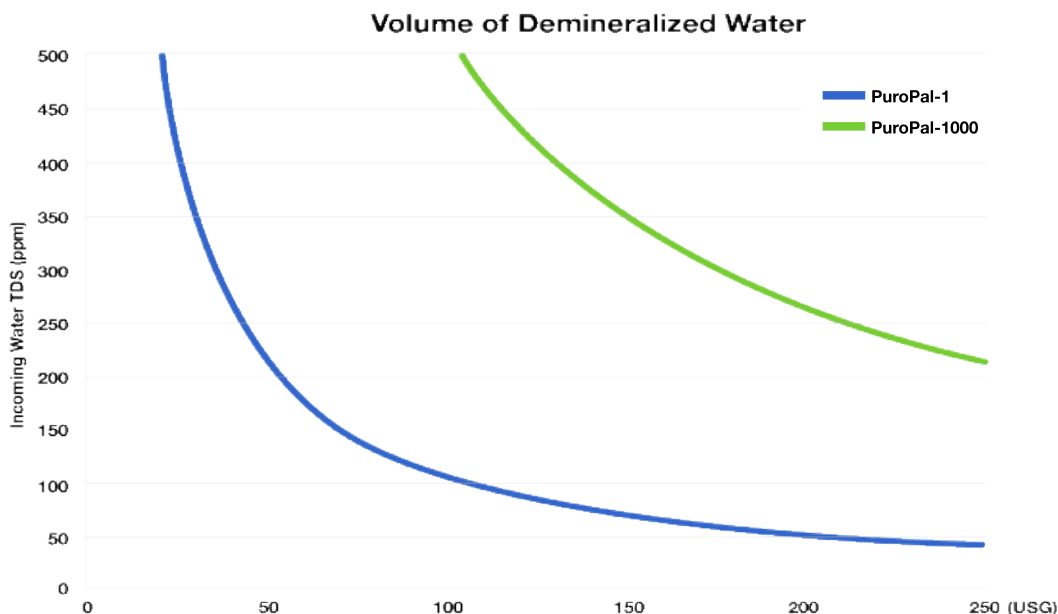
- ◆ Robust design, easy to handle
- ◆ Larger cartridges provide increased treated fluid volume
- ◆ Cartridge can be used with the PuroPal-Meter accessory to accurately measure treated fluid volume
- ◆ One cartridge will treat approximately 265 USG (inlet water 200ppm)

ACCESSORIES

PuroPal-Meter



Flow and Conductivity Meter



H₂O Demineralizers

MOBILE FILLING UNITS

PuroPal Pro Series mobile filling units incorporate a robust design with integrated metering and intelligent controls, convenient drain valve allows for ease of transportation and storage. Ideal for larger (or multiple smaller) closed-loop systems, Mobile filling units provide the most economical method to providing demineralized water at individual job sites.

PuroPal Leader



PuroPal Leader

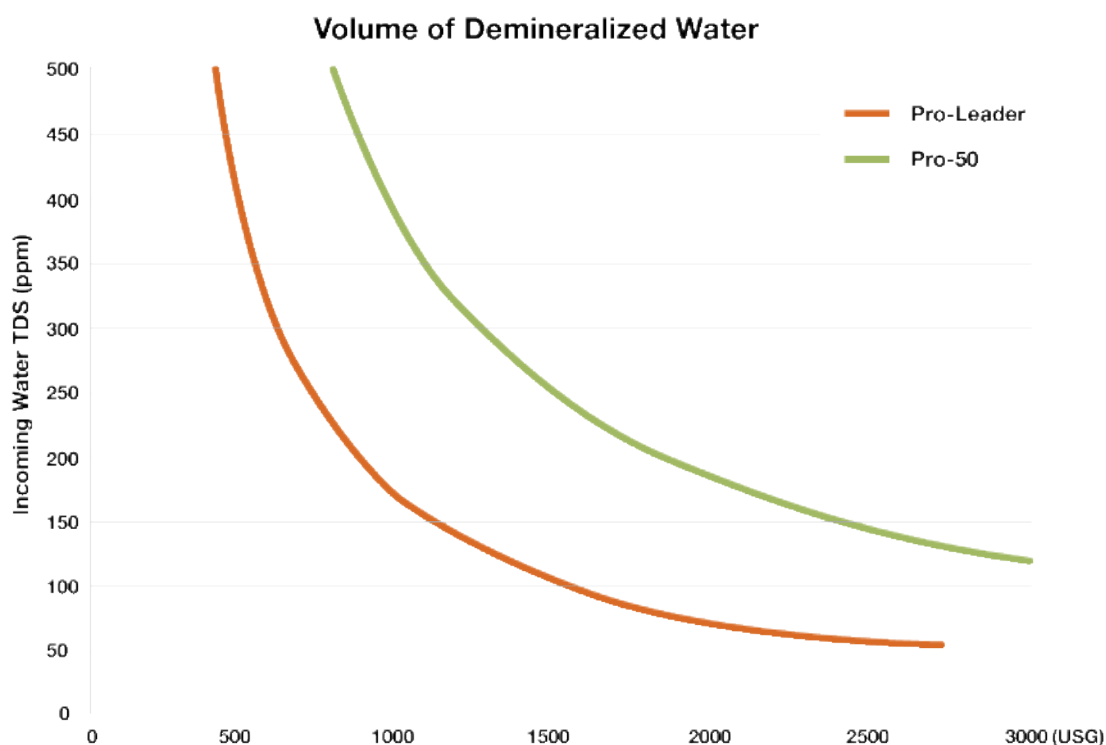
- ◆ Small footprint, floor standing mobile filling unit
- ◆ PuroPal Console provides a real-time digital display of the incoming and outgoing water quality, flow rate and the total treated demineralized water
- ◆ Resin is self-contained in field replaceable cartridges, meaning down-time is mere seconds when exchanging the cartridge
 - One cartridge will treat approximately 793 USG (inlet water 200ppm)

PuroPal Pro-50

PuroPal Pro-50



- ◆ Commercial grade and high capacity stainless steel demineralizing cart
- ◆ Comes with inlet & outlet conductivity meter, flow meter, and blending valve for specific water treatment requirements
- ◆ 50L canister treats approximately 1,775 USG (inlet TDS 200ppm)





MAKE-UP WATER UNITS

PuroPal Complete Series make-up water demineralization units are the ideal solution for fixed placement applications when used to provide 'top-up' treated water in closed-loop hydronic systems. All Axiom make-up water demineralizers utilize a replaceable ion-exchange mixed-bed resin to ensure that the delivered fluid is a high quality (low conductivity) H₂O source.

PuroPal Complete-2



- ◆ High grade stainless steel cylinder houses replaceable mixed-bed resin
- ◆ Active Flow and Conductivity Meter (shown below)
 - LED light indicates when delivered fluid exceeds user-defined limits
 - Tracks the total amount of fluid that has been treated
- ◆ Each unit also includes:
 - Robust shut-off ball valves
 - Integral float-style air vent reducing the amount of entrained air
 - Piping connection hardware

PuroPal Complete-2

- Limited Availability

- ◆ Small footprint, with integral wall mount bracket demineralizing station
 - 2L resin canister will treat approximately 55 USG (inlet water 200ppm)

PuroPal Complete-12/50



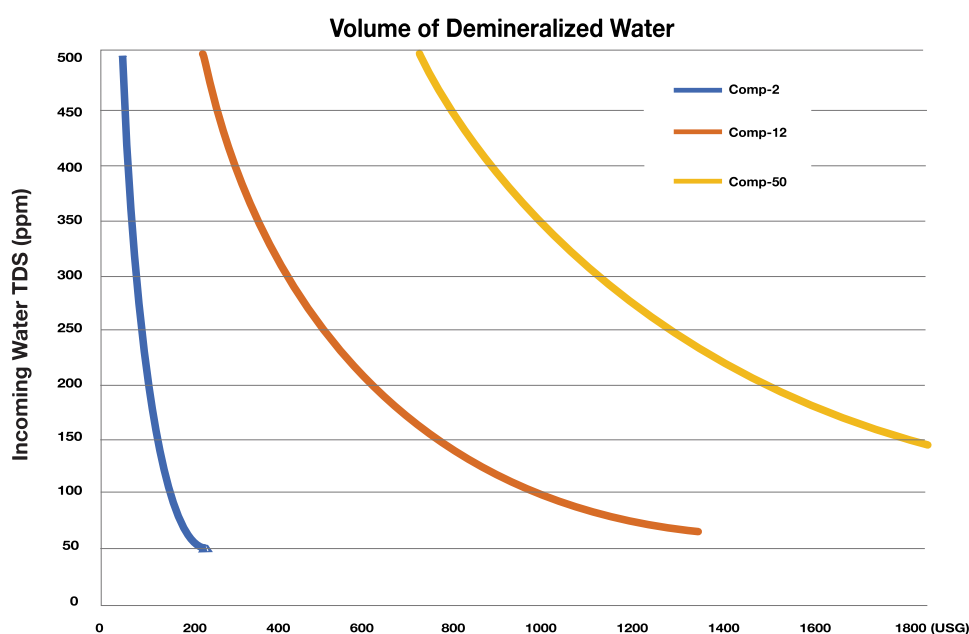
Active Flow and
Conductivity Meter



PuroPal Complete-12/50

- Limited Availability

- ◆ Floor Standing demineralizing stations
- ◆ Stainless Steel Braided Connection Lines with ball valves
 - Comp-12: 12L Canister treats approximately 480 USG (inlet TDS 200ppm)
 - Comp-50: 50L Canister treats approximately 1,775 USG (inlet TDS 200ppm)





Hydronic System Cleaners and Inhibitors

CLEANING AND PROTECTION FOR CLOSED LOOP HYDRONIC SYSTEMS

Suitable for all kinds of closed loop hydronic heating and cooling systems: traditional hydronic heating systems, chilled water systems, and geothermal systems.

Features and Benefits

- Eco-friendly chemicals do not contain harmful or hazardous substances
- Easy to use. The heating system can be cleaned both with the boiler on or off
- Neutral pH does not corrode or damage gaskets, plastics, or metals (steel, copper, and aluminum)
- Keeps the heat exchanger, pipes, and radiators clean
- Low concentration requirements (0.5 L or 16.9 oz. treats 100 L or 25 U.S. gallons of water. Dosage: 0.5%)
- Provides energy savings by reducing fuel consumption - A clean heat exchanger is an efficient exchanger
- Restores heat transfer and water circulation to their original levels
- Reduces maintenance costs. Proper fill and inhibitors lead to longer running systems



PROTECT 1

SYSTEM CORROSION AND SCALE INHIBITOR

Provides energy savings by protecting against corrosion and lime scale. Suitable for use with all metals (steel, copper, and aluminum).

Dosage: 0.5%

Available in 500mL, 2L, 20L



CLEAN 3

SYSTEM CLEANER FOR NEW HYDRONIC SYSTEMS

Provides energy savings by removing oil residue and metal oxides from new hydronic systems.

Dosage: 0.5%

Available in 500mL, 2L, 20L



CLEAN 5

SYSTEM CLEANER FOR OLD HYDRONIC SYSTEMS

Provides energy savings by removing sludge and metal oxides from old hydronic systems.

Dosage: 0.5%

Available in 500mL, 2L, 20L



CLEAN 10

SYSTEM AND BOILER CLEANER

Provides energy savings by removing limescale, sludge, and metal oxide incrustations inside the boiler and hydronic system.

Dosage: 0.5%

Available in 5L, 20L



Boiler

Boiler water and fire side cleaners remove incrustations from boiler components without damaging metal or plastic parts.

WATER SIDE CLEANER



CLEAN BOILER

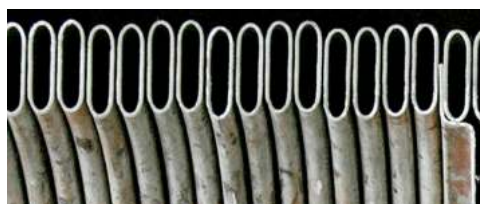
BOILER WATER SIDE CLEANER
Removes metal oxides and limescale deposits from the water side of boiler's heat exchanger. Provides energy savings, reduces noise, and restores heat transfer to original levels.

Dosage: 10 to 20%
Available in 1L

Before



After



ACCESSORIES



Axi-Therm Protect 1 Concentration Test Kit

- Colour-coded drop test for accurate Protect 1 dosage
- A single P1-Test kit can be used multiple times

P1-Test Kit

SKU	Purpose	Bottle Size	Treatment Volume	Case Qty
AXTH-BOILER-1L	Boiler Water Side Cleaner	1L (33.8oz)	5 to 10 litres (1.32 to 2.64 gal)	10
AXTH-CF9AL	2-Part, Aluminum Boiler Combustion Side Cleaner	2x1L (33.8 oz)		5
AXTH-CFSTEEL-1L	Stainless Steel Boiler Combustion Side Cleaner	1L (33.8 oz)		10
AXTH-P1-500mL	System Corrosion and Scale Inhibitor	500mL (16.9oz)	100 litres (25 gal)	12
AXTH-P1-2L	System Corrosion and Scale Inhibitor	2L (67.6 oz.)	400 litres (100 gal)	6
AXTH-P1-20L	System Corrosion and Scale Inhibitor	20L (5.28 gal)	4000 litres (1060 gal)	1
AXTH-C3-500mL	Chemical Cleaner for NEW Hydronic Systems	500mL (16.9oz)	100 litres (25 gal)	12
AXTH-C3-2L	Chemical Cleaner for NEW Hydronic Systems	2L (67.6 oz.)	400 litres (100 gal)	6
AXTH-C3-20L	Chemical Cleaner for NEW Hydronic Systems	20L (5.28 gal)	4000 litres (1060 gal)	1
AXTH-C5-500mL	Chemical Cleaner for OLD Hydronic Systems	500mL (16.9oz)	100 litres (25 gal)	12
AXTH-C5-2L	Chemical Cleaner for OLD Hydronic Systems	2L (67.6 oz.)	400 litres (100 gal)	6
AXTH-C5-20L	Chemical Cleaner for OLD Hydronic Systems	20L (5.28 gal)	4000 litres (1060 gal)	1
AXTH-C10-5L	System & Boiler Cleaner	5L (1.32 gal)	50 to 100 litres (12.5 to 25 gal)	4
AXTH-C10-20L	System & Boiler Cleaner	20L (5.28 gal)	200 to 400 litres (50 to 100 gal)	1



Axi-Therm

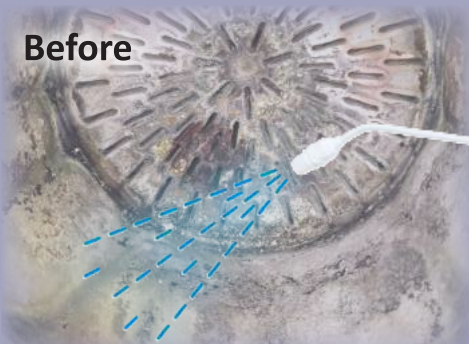
Fire Side Cleaners

Axi-Therm unique combustion-side chemical treatments quickly help clean and restore the heat transfer area of condensing appliances back to near new levels.

- Restores combustion operating efficiency to near new levels by cleaning fume-side encrustations developed during the process of combustion
- Comes with extension nozzle to help access hard to reach areas inside heat exchangers
- Chemical is formulated to help reduce time on-site by breaking the bond between encrusted combustion residue and the surface of the heat exchanger. Simply spray, let the treatment sit, brush and thoroughly rinse away

CLEAN F-STEEL

Before

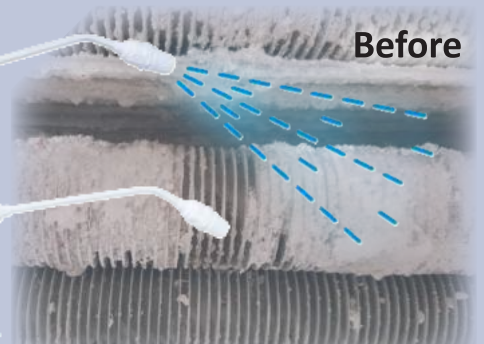


After

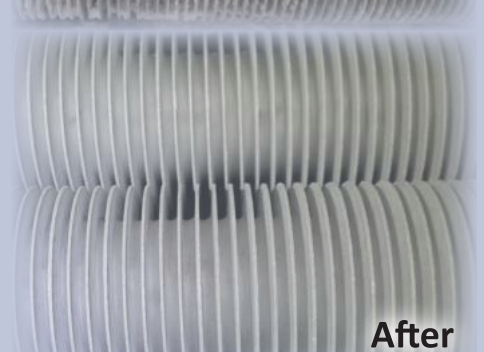


CLEAN F9-AL

Before



After



CLEAN F-STEEL

Combustion cleaner for stainless-steel heat exchangers.

Before



After



CLEAN F9-AL

Two-step combustion cleaner for aluminum heat exchangers.

Before



After



PUROPAK

HYDRONIC WATER QUALITY KIT



PuroPAK Options		PuroPAK-P	PuroPAK-CP
Clean 5	Clean sludge and metal oxide formations from existing systems		1
PuroPal-1	Demineralize system fill water	2	2
Protect 1	Provide lasting protection against corrosion and scale formation	3	3

Your “In the Box”
solution to hydronic water quality



Hydro-NODE

Expansion Tank Brackets



HN-1



HN-2

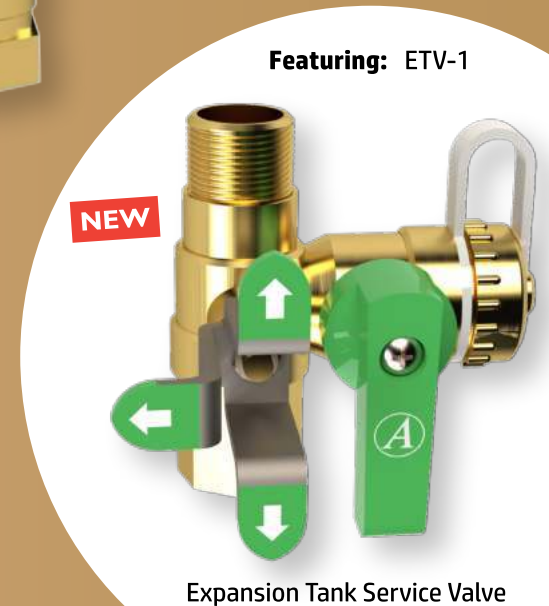


HN-3

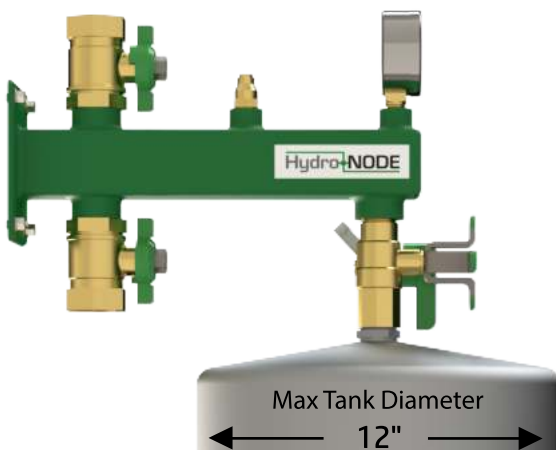


HN-3

Featuring: ETV-1

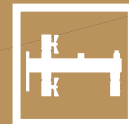


Expansion Tank Service Valve



The Hydro-NODE is an easy connect wall bracket designed to mount the critical hydronic system components in a convenient location.

Hydro-NODE



Hydro-NODE

The Hydro-NODE is an easy connect bracket designed to mount critical hydronic system components in a convenient location.

Features

- * Securely mount critical hydronic components
- * Provides means for easy servicing of expansion tank
- * Powder-coated for professional finish

HN-1



HN-1

- * Robust welded-steel bracket
- * Bracket includes five individual NPT connections
 - Three 1/2" FNPT open connections
 - Two 1/4" FNPT open connections

HN-2



HN-2

Includes the same robust welded-steel bracket as the HN-1 and comes fully assembled with the following connections:

- * Three 1/2" FNPT ball valve connections
 - Expansion tank connection (suitable for up to 12" diameter tanks)
 - System feeder or fill inlet connection
 - Closed loop hydronic system connection
- * Two 1/4" FNPT connections
 - 1/4" manual air vent
 - 1/4" FNPT plugged connection for accessory component

HN-3

NEW



HN-3

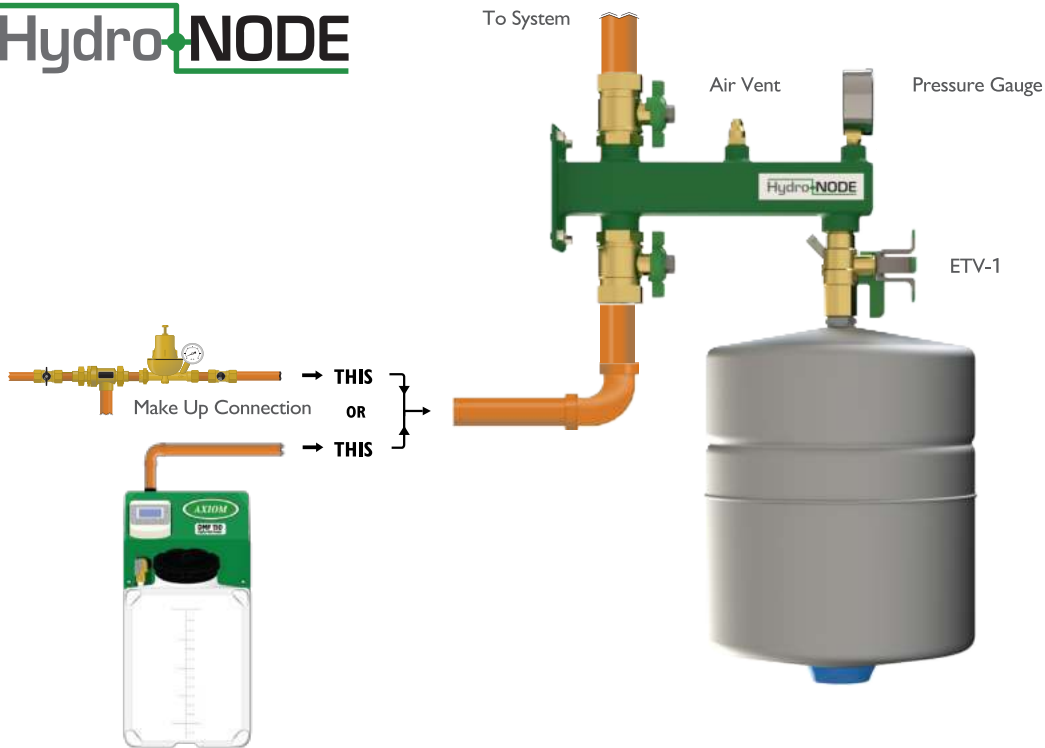
Includes the same robust welded-steel bracket as the HN-1 and comes fully assembled with the following connections:

- * One 1/2" 3-way Expansion Tank Valve with Hose drain
- * Two 1/2" FNPT ball valve connections
 - System Feeder or fill-inlet connections
 - Closed loop hydronic system connection
- * One 1/4" manual air vent
- * One 1/4" pressure gauge

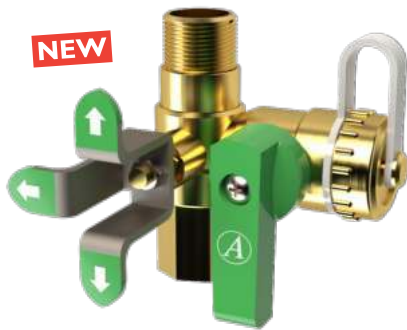


Hydro-NODE

Hydro-NODE



ETV-1

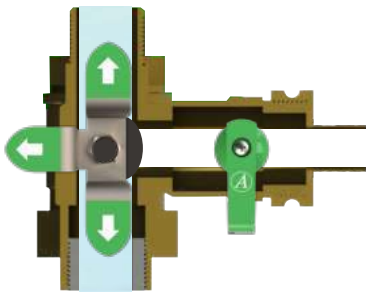


Expansion Tank Service Valve

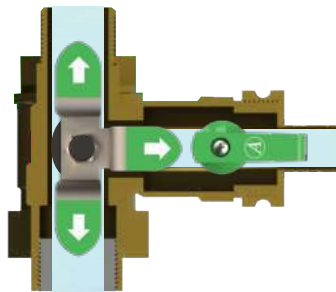
The ETV-1 expansion tank service valve simplifies the process of filling, isolating, draining, and servicing a hydronic expansion tank.

- * Forged brass ball valves with blow-out proof stem
- * 1/2" Multi-function 3-way valve enables contractors to:
 - Isolate and drain expansion tank
 - Isolate and drain the closed-loop system
 - Fill the closed-loop system
- * 1/2" MNPT x FNPT x GHT connections
- * Replaces multiple components and reduces installation time

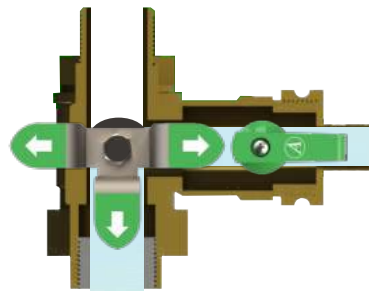
Valve Positions



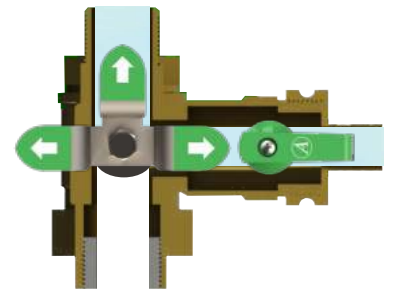
Normal Operation



Fill / Drain System
& Expansion Tank



Fill / Drain Expansion
Tank



Fill / Drain System

PEX Tubing Organizer

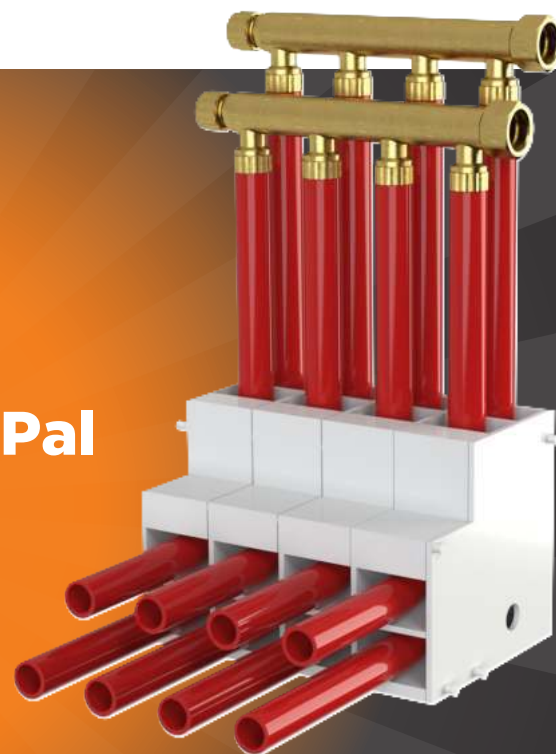


PEX-Pal



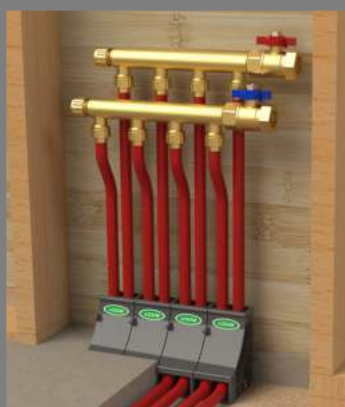
PEX-Jr

Ideal for over-pour radiant floor heating

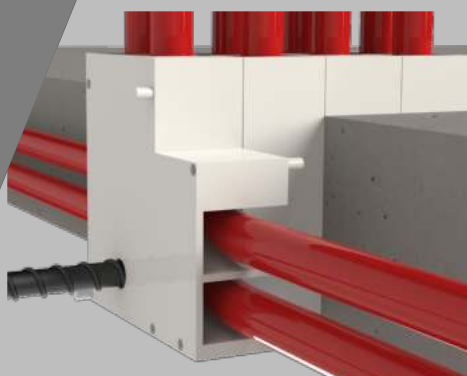


PEX-Pal

Ideal for in-floor high mass radiant floor heating



3.2 inch



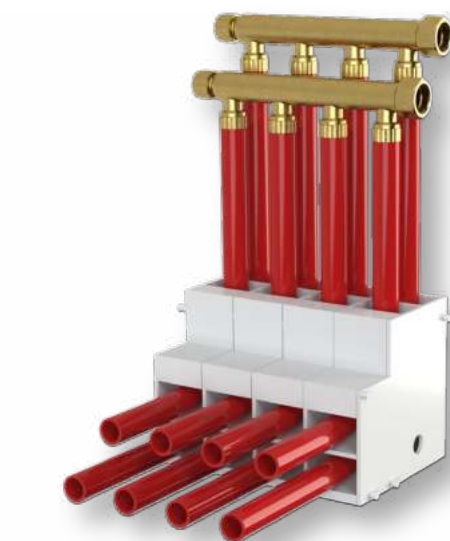
PEX Tubing Organizer

PEX-Pal™

PEX-Pal tubing organizer collects and organizes in-floor tubing used in high-mass radiant floor heating installations.

Features

- Units are designed as modular blocks that quickly and easily snap together to match the number of loops on the manifold
- Two-channel design positions both the supply and return piping with the appropriate spacing required for connections to the manifold
- Modules are constructed of a high impact strength plastic suitable to be embedded in a concrete slab
- Enclosed design protects the tubing at the poured-floor surface
- Modules are designed to connect together with outlets orientated in opposite directions, for manifold applications located on interior walls, accommodating piping routed in opposite directions
- Can be easily secured in place to available decking, rebar, ready-rod, temporary manifold support or wooden forms, prior to concrete being poured
- Designed to maintain manufacturers' recommended minimum bend radius for $\frac{3}{4}$ " and smaller diameter plastic piping

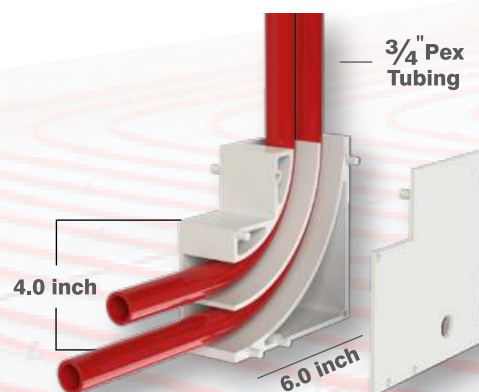
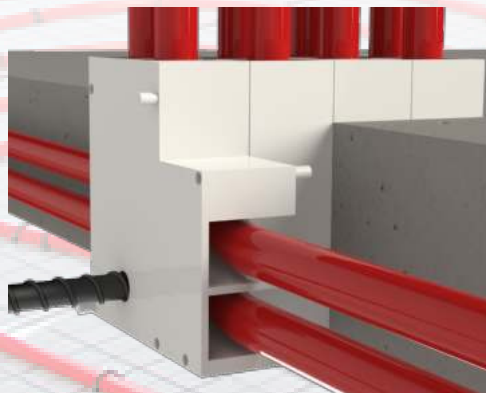
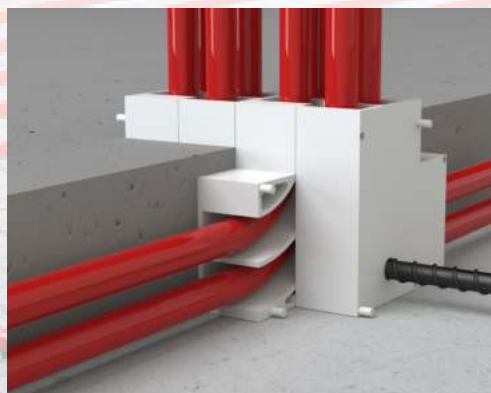


PEX-Pal



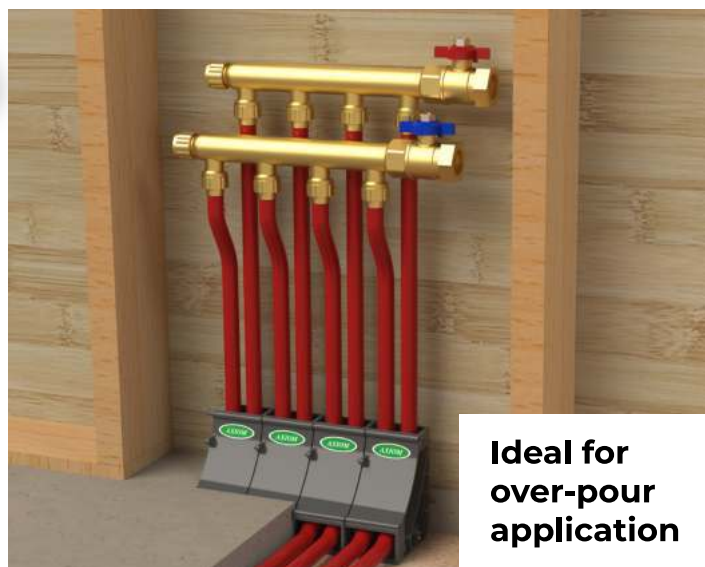
EndPlate

Product	Description	Box Qty
PEX-Pal	Two-channel tubing organizer module	40
EndPlate	EndPlate for PEX-Pal	10





PEX-Pal Jr™



PEX-Jr

The PEX-Pal Jr tubing organizer is a stand-up bracket that allows you to easily collect and organize in-floor tubing commonly used in over-pour radiant floor heating installations.

Features

- Modules protect the tubing at the floor surface
- Ideal for over-pour radiant installations
- Multiple modules press-fit together to match the number of loops on the manifold
- Each PEX-Pal Jr module fits two 1/2" PEX tubing runs (supply/return)
- Compact module design fits inside 2" x 4" interior wall
- Outlets can be reversed for manifold locations with piping in opposite directions
- Enclosed sides eliminate the need for an endplate
- Multiple mounting options (screwed to floor, backplate, or secured with rebar)
- Constructed of high impact polystyrene
- Designed to maintain manufacturers' recommended minimum bend radius for 1/2" plastic piping



Product	Description	Box Qty
PEX-Jr	Stand-up tubing module (for two 1/2" tubing runs)	12

Sidestream Filters

FilterPak

SFP SERIES



SFP-10
SFP-20

FH SERIES



FH-10
FH-20

Hydronic Sidestream Filter Packages deliver effective ongoing protection against the damaging effects of debris in all types of closed-loop hydronic systems. Ensuring the fluid in a closed-loop hydronic system is clean helps reduce overall maintenance and operating costs of the system. Monitoring and maintaining clean hydronic system fluid is now simple and convenient.

Max Temperature: 200°F (93°C)

Max Pressure: 125psi (860kPa)

Connections:

SFP-10, FH-10 3/4" FNPT

SFP-20, FH-20 1" FNPT

Features

- **Brass and stainless-steel construction**
- **Manual balancing valve incorporates flow balancing with memory stop, filter cartridge isolation and an integral manual air vent**
- **Comes with standard DOE 25 micron cotton wound filter cartridge**
 - 5 and 10 micron filter options available
- **Filter Housing uses a double O-ring for reliable leak-free use**
 - Includes ball valve drain valve with hose connection to ensure safe, mess free fluid handling
 - Can be used for chemical dosing up to 0.8 USG (3.0L)

Model	Connections	Sidestream Flow Rate	Filter Size	Filter Options (micron rating)	Vessel Volume
SFP-10 (FH-10)	3/4" FNPT	1-10 GPM (System <200GPM)	10" DOE cotton wound	5, 10, 25	0.4 gal (1.5L)
SFP-20 (FH-20)	1" FNPT	1-20 GPM (System <400GPM)	20" DOE cotton wound	5, 10, 25	0.8 gal (3.0L)

ASFI SERIES



ASFI-075
ASFI-100

Sight Flow Indicators

Max Temperature: 200°F (93°C)

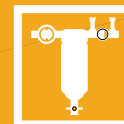
Max Pressure: 125psi (860kPa)

Connections:

ASFI-075 3/4" FNPT

ASFI-100 1" FNPT

- **Sight Flow Indicator provides a quick indication of the 'health' of the fluid and detects the presence of flow**
- **Rebuild kits available (glass, gaskets, and opening tool)**



CHEMICAL BY-PASS FEEDERS

CBF SERIES



Chemical By-Pass Feeders provide simple delivery of chemicals to any closed loop system

Max Pressure and Temperature: 265psi (1.83MPa) at 200°F (93°C)
300psi (2.07MPa) models available

Connections: FNPT (3/4")

Features

- Allows for safe and easy chemical dosing
- Ball valves for easy chemical dosing and pot feeder isolation
- Graduated funnel with stainless steel filter for clean, accurate, and mess free chemical addition
- Pressure vessel and fittings made with brass and carbon steel
- 2 Gallon (7.6L) models comes with wall bracket
- 5 Gallon (18.9L) model comes with adjustable steel legs

Model	Size	Pressure Vessel Volume	Max Pressure
CBF-2	3/4"	2 gal (7.6L)	265psi (1.83MPa)
CBF-5	3/4"	5 gal (18.9L)	265psi (1.83MPa)
CBF-2-SS	3/4"	2 gal (7.6L)	265psi (1.83MPa)

CBF-HP SERIES



HIGH PRESSURE MODELS

Features

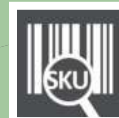
- Fully accessible lid
- Maximum pressure rating is 300 psi

Model	Size	Pressure Vessel Volume	Max Pressure
CBF-2-HP	3/4"	2 gal (7.6L)	300psi (2.07MPa)
CBF-5-HP	3/4"	5 gal (18.9L)	300psi (2.07MPa)



Index

Part #	Description	Wgt (lbs.)	Page
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AP23-S	Axi-Pump Condensate Pump (23' Lift w/ high level safety switch)	4.25	8,9
AP43-HTS	Axi-Pump Condensate Pump (43' Lift, high temperature, w/ high level safety switch)	6.90	8,9
ASFI-075	¾" Sight Flow Indicator	2	24
ASFI-100	1" Sight Flow Indicator	2	24
ASFI-K	ASFI Rebuild kit	1	24
ASFI-Tool	ASFI Opening Tool	1	24
AXTH-BOILER-1L	1L (33.8 oz) bottle. Treats 5 to 10 litres (1.32 to 2.64 gal)	5	15
AXTH-C10-20L	Clean10 20L (5.28 gallons) jug. Treats 200 to 400 litres (50 to 100 gal)	45	14
AXTH-C10-5L	Clean10 5L (1.32 gallons) jug. Treats 50 to 100 litres (12.5 to 25 gal)	12	14
AXTH-C3-20L	Clean3 20L (5.28 gallons) jug. Treats 4000 litres (1060 gal)	45	14
AXTH-C3-2L	Clean3 2L (67.6 oz) bottle. Treats 400 litres (100 gal) per bottle	5	14
AXTH-C3-500ml	Clean3 500mL (16.9 oz) bottle. Treats 100 litres (25 gal) per bottle	2	14
AXTH-C5-20L	Clean5 20L (5.28 gallons) jug. Treats 4000 litres (1060 gal)	45	14
AXTH-C5-2L	Clean5 2L (67.6 oz) bottle. Treats 400 litres (100 gal) per bottle	5	14
AXTH-C5-500ml	Clean5 500mL (16.9 oz) bottle. Treats 100 litres (25 gal) per bottle	2	14
AXTH-CF9AL	QTY 2 - 1L (33.08 oz) bottles c/w extender spray nozzle. For use on Condensing Aluminum Heat Exchangers	10	16
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AXTH-P1-20L	Protect1 20L (5.28 gallons) jug. Treats 4000 litres (1060 gal)	45	14
AXTH-P1-2L	Protect1 2L (67.6 oz) bottle. Treats 400 litres (100 gal) per bottle	5	14
AXTH-P1-500ml	Protect1 500mL (16.9 oz) bottle. Treats 100 litres (25 gal) per bottle	2	14
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SFP-20-25M	25 micron filter replacement for 20" Filter housing (15 per box)	10	24
SFP-20-5M	5 micron filter replacement for 20" Filter housing (15 per box)	35	24



Notes

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