AXIOM

Specialty Products For Hydronic Systems

System Feeders

H$_2$O Demineralizers

Condensate Neutralizers
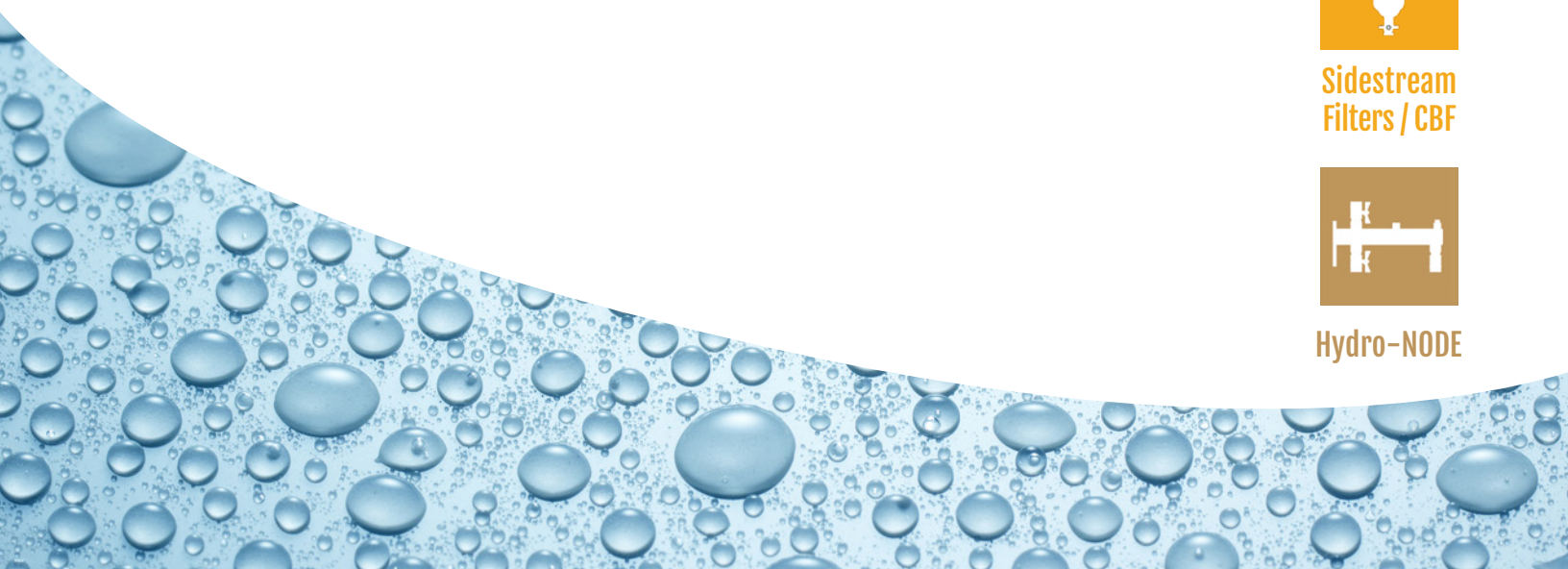
System Cleaners

PEX-Pal

Sidestream Filters / CBF

Hydro-NODE

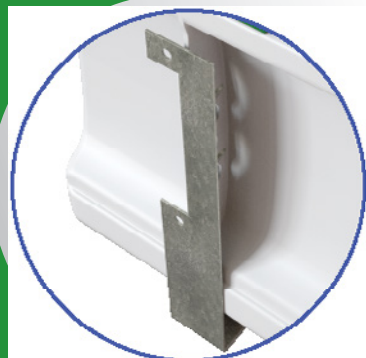# Digital Mini System Feeder

DMF150

18.0 PSI

Feature-Rich User Friendly Digital Control
- User Defined Pressure Setting (0-45psig)
  - 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

17 liter (4.5 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
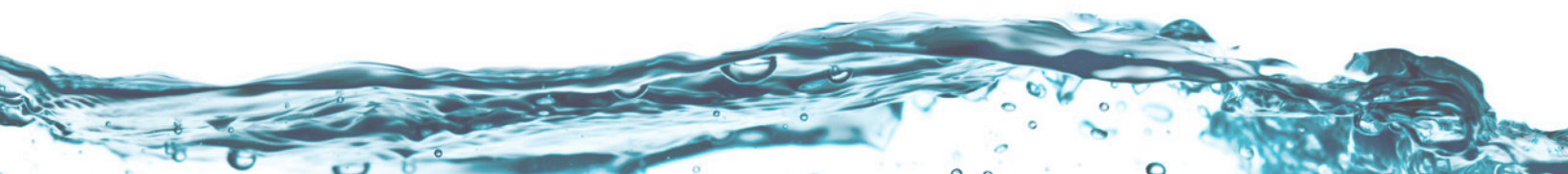
Integrated easy connect wall bracket

Table of Contents

Category	Page

System Feeders

PressurePal

DMF150

MF200

DMF300
NEW

SF100

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 115 VAC 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

ACCESSORIES

Alarm Panel

Tank Shelf
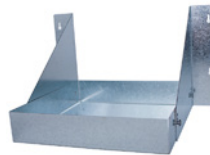
Hydro-NODE
NEW
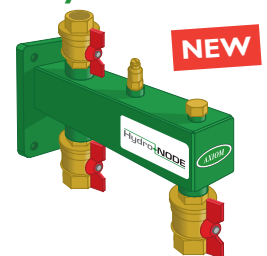
SF100 Specialty Build Options (SF100-x-xx):

■ HP-L (100 USG, 25-85 PSI)

■ 2PRV (Unit Designed for 2 Systems)

■ 2PRV-L (100 USG, 2 Systems)

■ 2PRV-HP (25-85PSI, 2 Systems)

■ D-P-4x (Dual Pump, Alternating Control Panel 4x)

■ UHP (35-125 PSI)

■ UHP-L (100 USG, 35-125 PSI)

■ D (Dual Pump)

■ D-2PRV (Dual Pump, 2 Systems)

■ D-P (Dual Pump, Alternating Control Panel)

Custom units available upon request

Visit our sizing calculator online at
AxiomInd.com/system-feeders.php

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

System Feeder Selection Chart

Model	System Volume	System Cold Static Fill Pressure
DMF150 (4.5 USG)	Below 285 L (75 US Gal)	0 to 310 kPa (0-45 psig)
MF200 (6 USG)	Below 285 L (75 US Gal)	69 to 170 kPa (10-25 psig)
DMF300 (17 USG)	285-1135 L (75-300 US Gal	0 to 310 kPa (0-45 psig)
MF300 (17 USG)	285-1135 L (75-300 US Gal)	69 to 170 kPa (10-25 psig)
SF100 (55 USG)	1135-3030 L (300-800 US Gal)	35-380 kPa (5-55 psig)
SF100-L (100 USG)	Above 3030 L (800 US Gal)	35-380 kPa (5-55 psig)
SF100-HP (55 USG)	1135-3030 L (300-800 US Gal)	170-585 kPa (25-85 psig)

THIS

REPLACES THIS

PURO PAL

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

H₂O Demineralizer Benefits
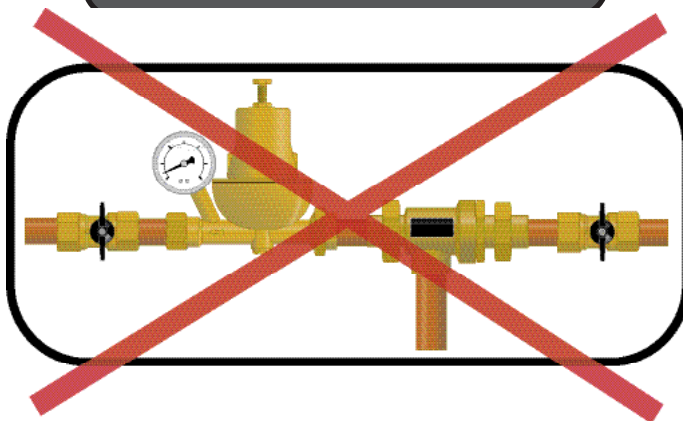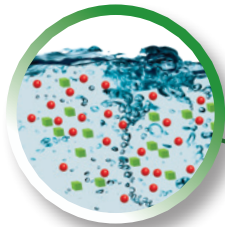
Domestic water with minerals and gases
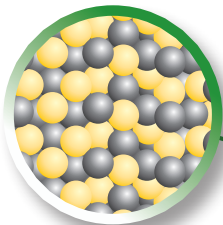
Special Puropal 2-component mixed bed resin

Fully demineralized water through ion exchange

- 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
  - Sulphates 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
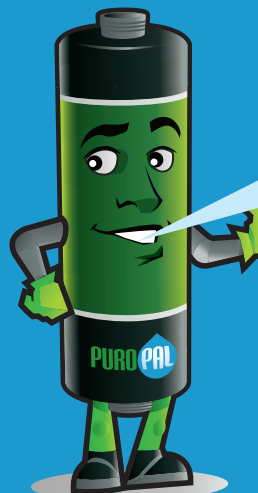
Typical glycol manufacturers dilution water quality requirements are <100 ppm TDS, <25 ppm of chlorides, and <25 ppm of sulphates.

Boiler manufacturers water quality requirements can be as low as 50 ppm TDS for system fluid.

PUROPAL

H₂O Demineralizers

PUROPAL

Disposable cartridges are ideal for use on job specific residential and light commercial water treatment applications. Use the PuroPal Disposable series cartridges to provide demineralized water rather than paying a premium and/or 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-300

Puropal-1000

PuroPal-1 & 300

- 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 50 USG (inlet water 200ppm)
  - One PuroPal-300 cartridge will treat approximately 87 USG (inlet water 200ppm)

50 gallon (30% premix)   100% glycol

REPLACE WITH

PuroPal 300

■ 70% water   ■ 30% glycol
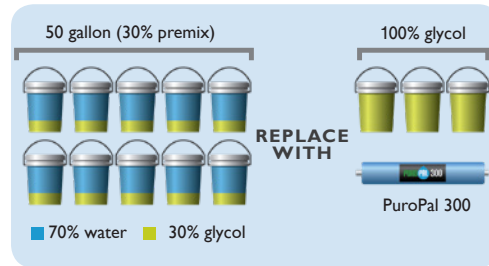
PuroPal-1000

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

ACCESSORIES

Puropal-Meter

Flow and Conductivity Meter

Hose Kit

Wall Mounting Bracket

Volume of Demineralized Water

Incoming Water TDS (ppm)

— Puropal-1
— Puropal-300
— Puropal-1000

(USG)
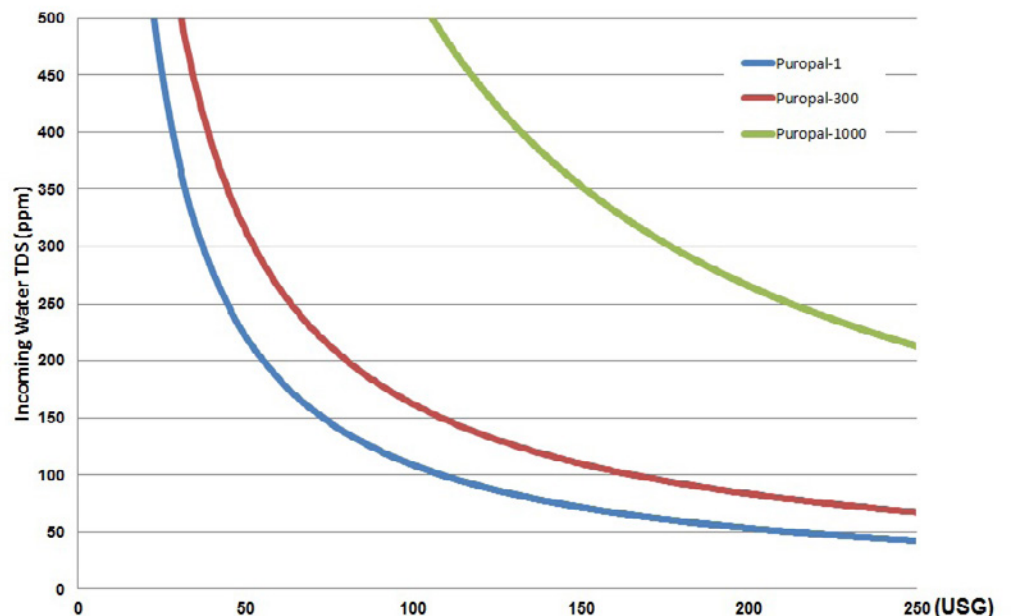
H₂O Demineralizers

MOBILE FILLING UNITS

PuroPal Pro Series mobile filling units incorporate a robust design with integrated metering and intelligent controls, and convenient draining 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

- 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)

PuroPal Pro-50

Volume of Demineralized Water

Legend: Pro-Leader, Pro-50. X-axis: (USG) 0–3000. Y-axis: Incoming Water TDS (ppm) 0–500.
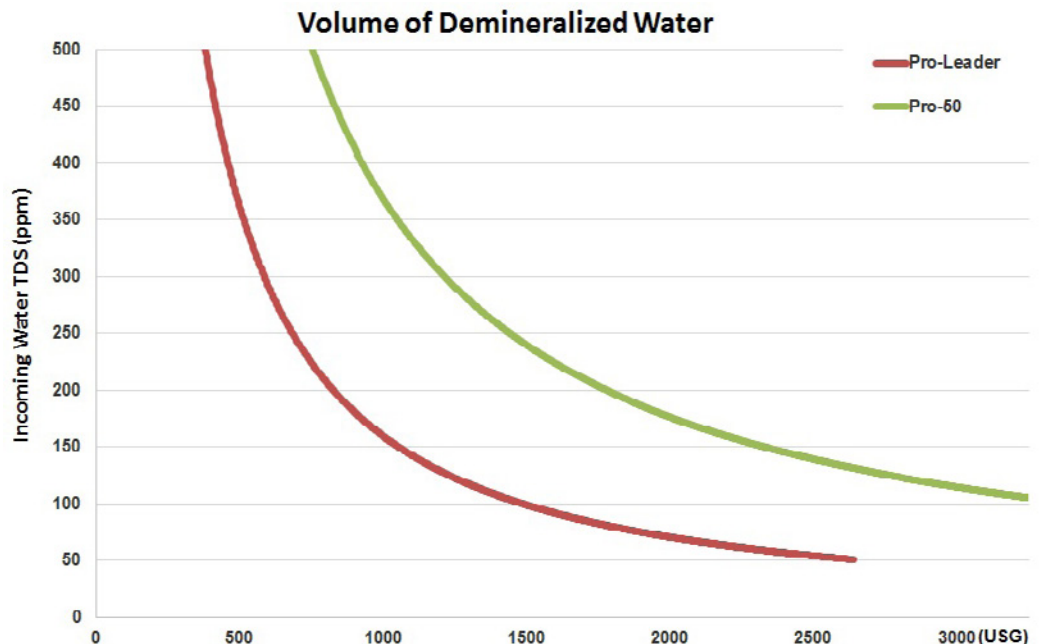
PURO**PAL** Leader

North America's Most Advanced Portable Demineralizer featuring intelligent monitoring and high-performance media filter cartridge.

Demineralized water offers the following:

- Greater energy efficiency
- Reduced maintenance costs
- Maximizes the life span of individual system components

Single Lever Valve

Plug and play: one simple movement is enough to start demineralization.

PuroPal Console

The information centre provides real time data about the incoming and outgoing water quality, flow and total treated demineralized water.

Warning & Control

The combined meter issues a multi-visual warning when the user defined limit is reached.

High Performance Replaceable Cartridge

The patented fluid flow path through the resin maximizes the capacity of the ion exchange; once expired the self-contained cartridge can be replaced in seconds.

Integrated Drain Valve

Easily dispose of any fluid for convenience, portability and storage.

H₂O Demineralizers

MAKE-UP WATER UNITS

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) H_2O source.

- 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

PuroPal Complete-2

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

PuroPal Complete-12/25/50

PuroPal Complete-12/25/50

- Floor Standing demineralizing stations
- Stainless Steel Braided Connection Lines with ball valves
  - Comp-12: 12L Canister treats approximately 480 USG (inlet TDS 200ppm)
  - Comp-25: 25L Canister treats approximately 828 USG (inlet TDS 200ppm)
  - Comp-50: 50L Canister treats approximately 1,775 USG (inlet TDS 200ppm)

Active Flow and Conductivity Meter

Volume of Demineralized Water

- Comp-2
- Comp-12
- Comp-25
- Comp-50

Incoming Water TDS (ppm): 0, 50, 100, 150, 200, 250, 300, 350, 400, 450, 500

(USG): 0, 500, 1000, 1500, 2000, 2500, 3000
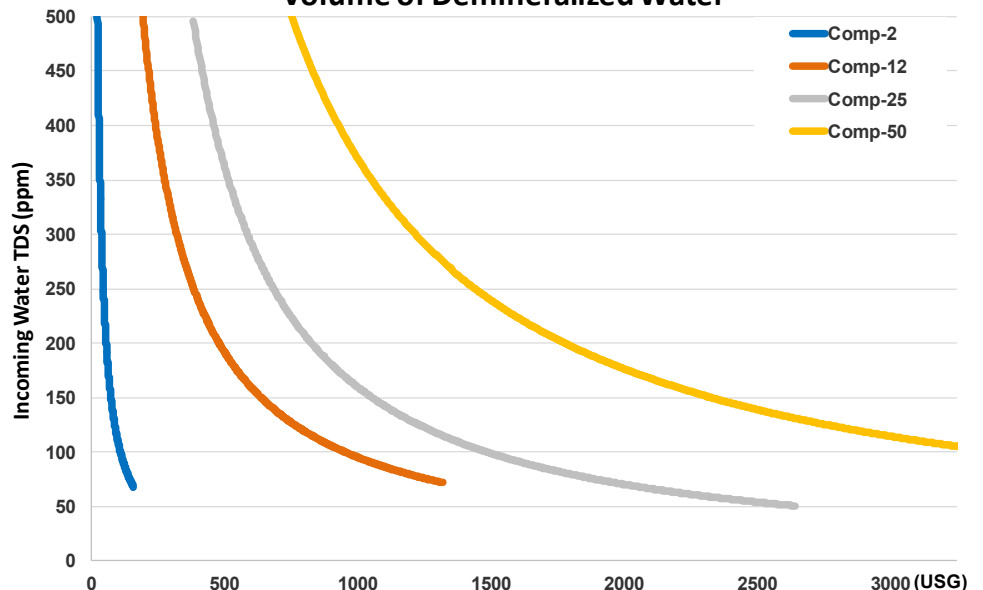
Another innovative product from Axiom

NT1-P

A condensate neutralization tank with high lift pump in one complete package

Baffles to channel flow

A/C condensate inlet

*Neutra*Pump.

NT1-P

AXIOM

Alternate inlet

Li*pH*ter✛ media

High lift pump
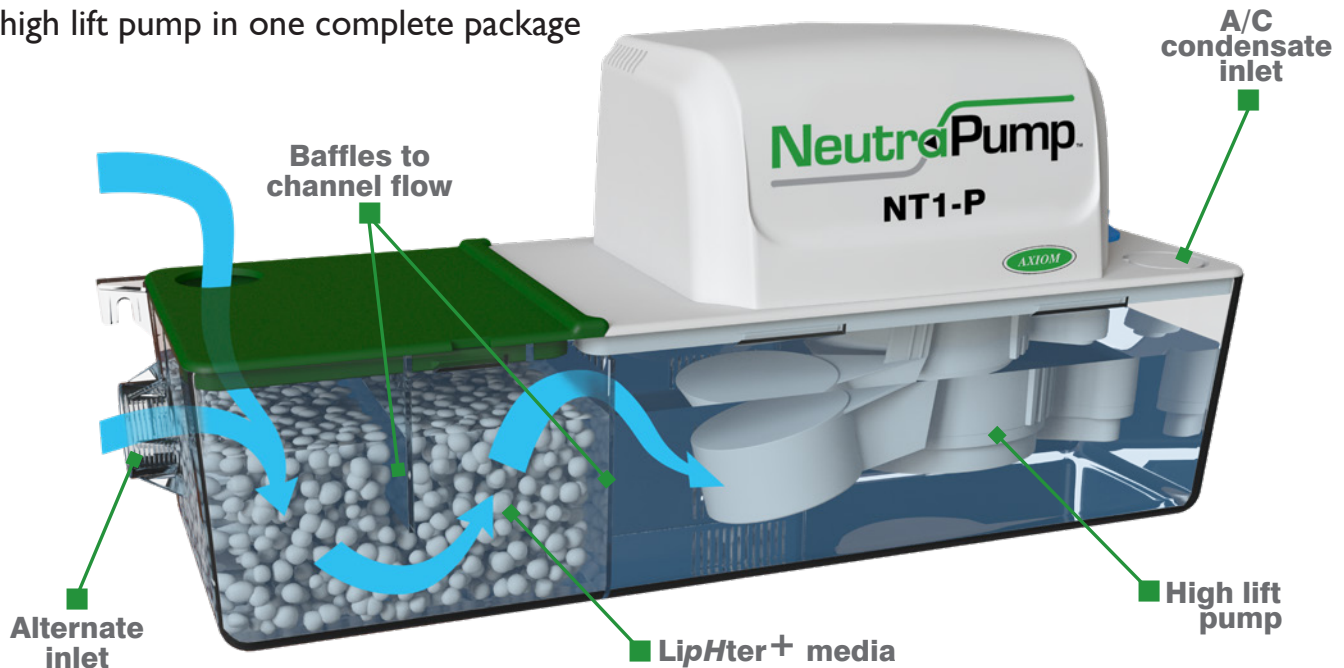
JOINS OUR FAMILY OF CONDENSATE NEUTRALIZERS

NT25-P

AXIOM

NC-1

AXIOM

NC-2

NT15

NC "FULL KIT" INCLUDES:

NC-S "HARD PIPE KIT" INCLUDES:
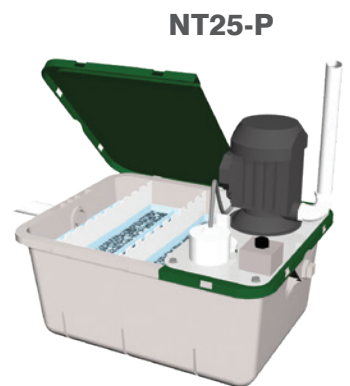
NT25

Ideal for condensing appliances

Condensate Neutralizers

NeutraPal

NC-1

NC-2

NC-1 & NC-2 "Full Kit"

NC-1S & NC-2S "Hard Pipe Kit"

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 Li*pH*ter+ 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 Li*pH*ter+ media for maximum performance
- Ideal for residential and light commercial appliances (up to 1,000,000 btu/h)
- Two standard options
  - NC-1 & NC-2 "Full Kit" (shown at left)
  - NC-1S & NC-2S "Hard Pipe Kit" (*shown at left*)

NeutraPro

NT25

NT15

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 Li*pH*ter 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

Condensate Fluid Flow

Li*pH*ter Neutralization Media

Baffles channel condensate through Li*pH*ter media

NeutraPump™

NT1-P

NT25-P
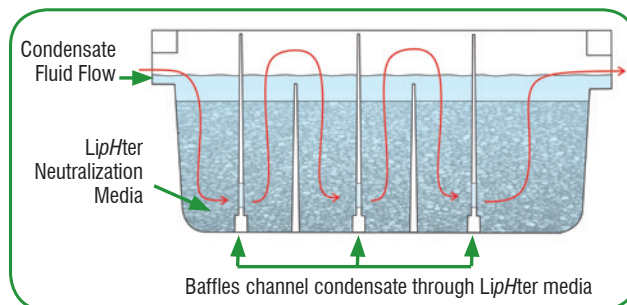
NT70-P

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

Features

- Integral baffles force the acidic fluid through Axiom's Li*pH*ter+ 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
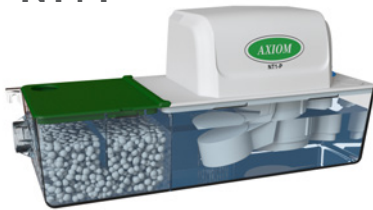
NT1-P Features

- 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 Li*pH*ter+ media
  - One connection that bypasses neutralizing media
- Pump is capable of 20-feet of vertical lift

NT25-P Features

- Ideal for commercial appliances
- Pump is capable of 22-feet of vertical lift at design flow rate
- 1" NPT condensate inlet connection

NT70-P Features

- Ideal for large commercial and industrial appliances
- Pump is capable of 22-feet of vertical lift at design flow rate
- 1 ½" NPT condensate inlet connection

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
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-P	6,000,000 @ 96%	40 Gal/hr
NT70-P	20,000,000 @ 96%	132 Gal/hr

Axi-Therm

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 aluminium)
- 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 a happy 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.

Available in 500mL, 2L, 20L

Dosage: 0.5%

CLEAN 5

SYSTEM CLEANER FOR OLD HYDRONIC SYSTEMS
Provides energy savings by removing sludge and metal oxides from old hydronic systems.

Available in 500mL, 2L, 20L

Dosage: 0.5%

CLEAN 10

SYSTEM AND BOILER CLEANER

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

Available in 5L, 20L

Dosage: 5 to 10%

BIOCIDE

To remove and prevent biomasses and bacterial colonies from forming in low temperature hydronic systems.

Dosage: 0.5%
Available in 500mL

Boiler

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

WATER SIDE CLEANER

Before

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
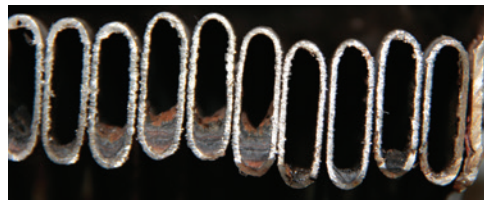
After

FIRE SIDE CLEANER

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

➤ Units come with extension nozzles 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
Combustion cleaner for stainless steel heat exchangers
Available in 1L

CLEAN F9-A
General combustion cleaner
Available in 1L

CLEAN F9-AL
Two-step combustion cleaner for aluminum heat exchangers
Available in 1L

Before   After

Before   After

Before   After

Axi-Therm

ACCESSORIES

Injet

Boiler Water Test Kit

NEW

Biocide Test Kit

pH Test Paper

INJET Chemical Injection Bottle

➤ Re-usable injection bottle for use with Axi-Therm water side chemical cleaners and inhibitors.

➤ Integral hand pump allows users to safely pressurize the container (up to 29 psi) for simple chemical delivery to closed-loop hydronic systems
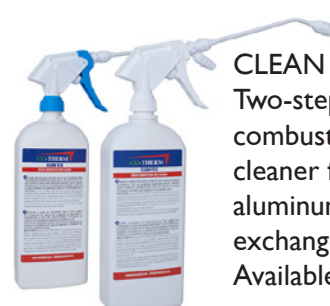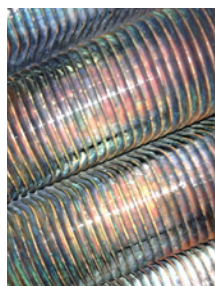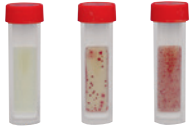
➤ 2L (0.5 USG) reservoir capacity

➤ ¾" GHT connection for easy connection to closed-loop hydronic

Axi-Therm Boiler Water Quality Titration Test Kit

➤ Colour-coded test kit for simple analysis of test results of the following:

Alkalinity, Chloride, Hardness (CA & Total), Sodium Nitrate, Molybdenum

Axi-Therm Biocide Test Kit

➤ Simple vial and visual test strip shows the presence of any bacterial colonies and whether additional biocide treatment is required

Axi-Therm pH Test Paper

➤ pH strips for testing the pH of closed-loop hydronic system fluid

➤ One pH Test kit includes 100 individual strips

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
AXTH-BIO-500mL	System Biocide Removal	500mL (16.9oz)	100 litres (25 gal)	12

PEX Tubing Organizer

PEX-Pal

PEX-Pal tubing bends safely collect and organize 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 to be 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 ¾" and smaller diameter plastic piping
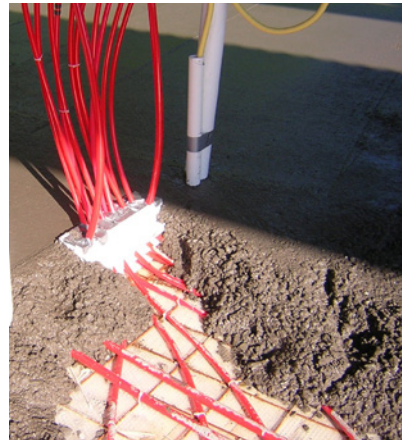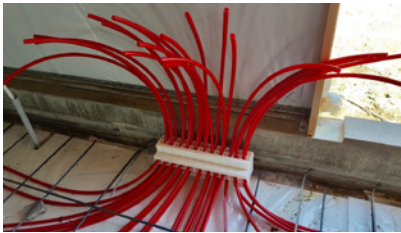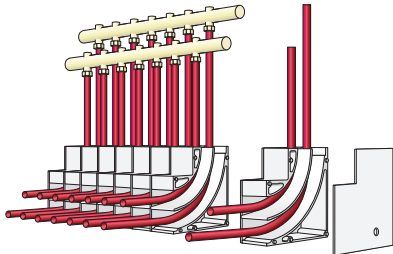
Product	Description	Box Qty
PEX40	Two-channel tubing organizer module	40
EP10	End-Plate for PEX-Pal	10

FilterPak

SFP SERIES

SFP-10
SFP-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   ¾" FNPT
    SFP-20, FH-20   1" FNPT

Features

- Brass and stainless-steel construction
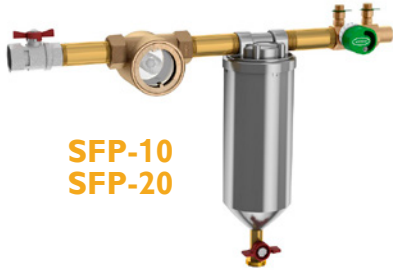- Manual balancing valve incorporates flow balancing with memory stop, filter cartridge isolation and an integral manual air vent
- Comes with standard DOE 25 micron cotton wound filter cartridge
  - 5 and 10 micron filter options available
- Filter Housing uses a double O-ring for reliable leak-free 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)

FH SERIES

FH-10
FH-20

Model	Connections	Sidestream Flow Rate	Filter Size	Filter Options (micron rating)	Vessel Volume
SFP-10 (FH-10)	¾" 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   ¾" 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

Chemical by-pass feeder provides 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 (¾")

CBF SERIES

CBF-2

CBF-5

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
- Wall bracket available for 2 Gallon (7.6L) model
- 5 Gallon (18.9L) model comes with adjustable steel legs
- Models with wide opening for adding dry chemical are available

Model	Size	Pressure Vessel Volume	Max Pressure
CBF-2	¾"	2 gal (7.6L)	265psi (1.83MPa)
CBF-5	¾"	5 gal (18.9L)	265psi (1.83MPa)

CBF-HP SERIES

CBF-2-HP

CBF-5-HP

HIGH PRESSURE MODELS

Features

- Fully accessible lid
- Maximum pressure rating is 300 psi

Model	Size	Pressure Vessel Volume	Max Pressure
CBF-2-HP	¾"	2 gal (7.6L)	300psi (2.07MPa)
CBF-5-HP	¾"	5 gal (18.9L)	300psi (2.07MPa)

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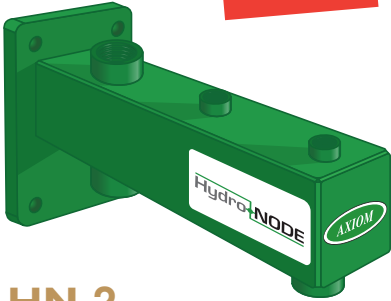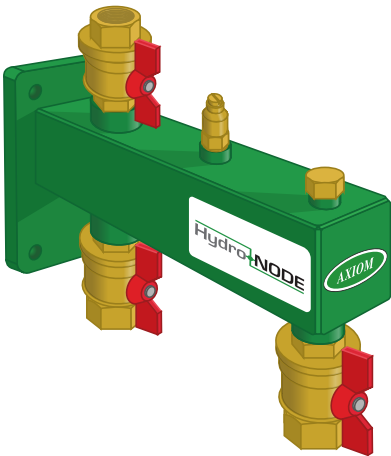
The Hydro-NODE is an easy connect bracket designed to mount critical hydronic system components at a convenient location.

HN-1

NEW

HN-2

Features

■ Securely mount critical hydronic components

■ Provides means for easy servicing of expansion tank

■ Powder-coated for professional finish

HN-1

■ Robust welded-steel bracket

■ Bracket includes five individual NPT connections

- Three ½" FNPT open connections

- Two ¼" FNPT open connections

HN-2

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

■ Three ½" 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 ¼" FNPT connections

- ¼" Manual air vent

- ¼" FNPT plugged connection for
  accessory component

*Ball valves come with butterfly handles that can be rem
if required by local codes for anti-tampering purposes

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OR

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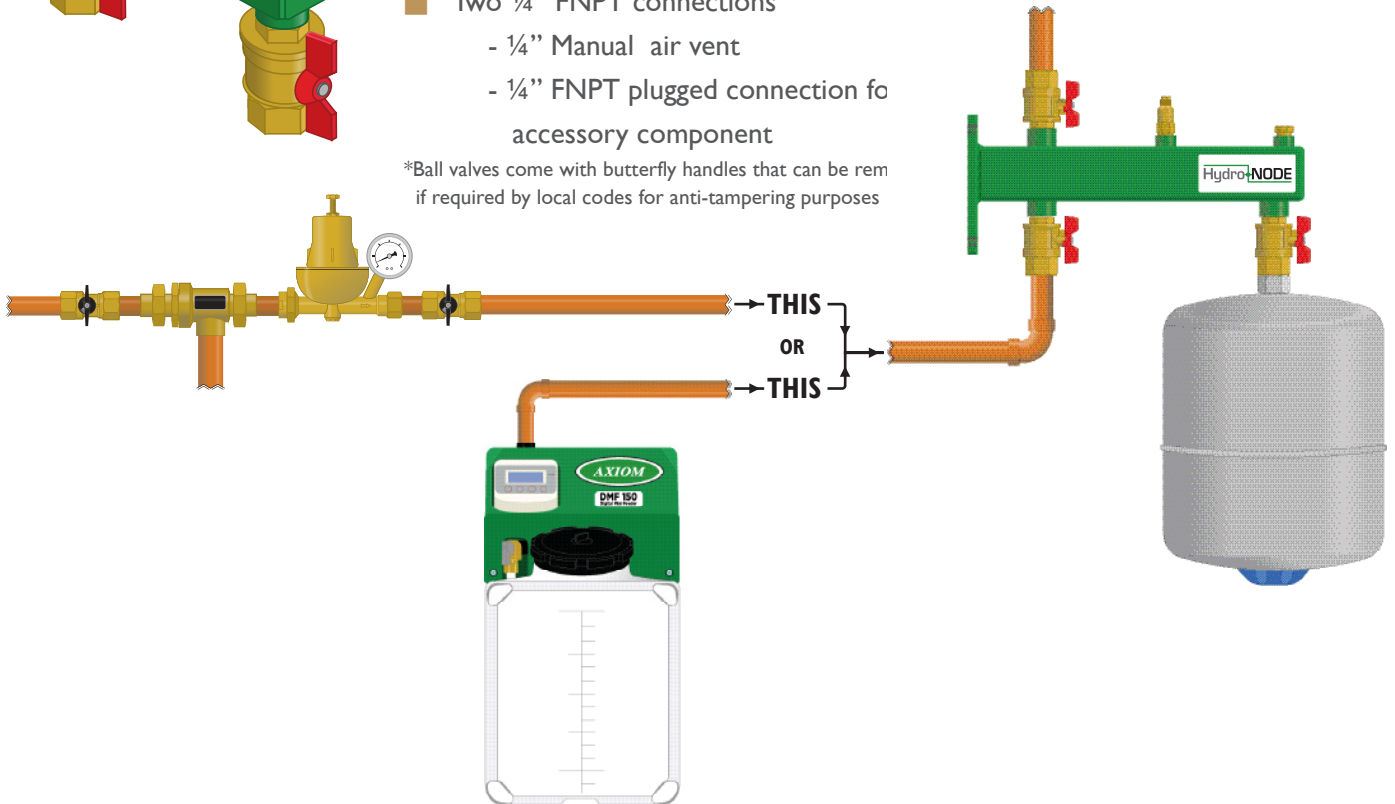
Part #	Description	Wgt (lbs.)	Page
ASFI-075	3/4" Sight Flow Indicator	2	16
ASFI-100	1" Sight Flow Indicator	2	16
ASFI-K	ASFI Rebuild Kit	1	16
ASFI-Tool	ASFI Opening Tool	1	16
AXTH-BIO-500mL	Biocide 500mL (16.9oz) bottle. Treats 100 litres (25 gal) per bottle	2	12
AXTH-BIO-TEST	Biocide test kit	0.5	14
AXTH-BOILER-1L	1L (33.8oz) bottle. Treats 5 to 10 litres (1.32 to 2.64 gal)	5	13
AXTH-C10-20L	Clean10 20 L (5.28 gallons) jug. Treats 200 to 400 litres (50 to 100 gal)	45	12
AXTH-C10-5L	Clean10 5 L (1.32 gallons) jug. Treats 50 to 100 litres (12.5 to 25 gal)	12	12
AXTH-C3-20L	Clean3 20 L (5.28 gallons) jug. Treats 4000 litres (1060 gal)	45	12
AXTH-C3-2L	Clean3 2L (67.6 oz.) bottle. Treats 400 litres (100 gal) per bottle	5	12
AXTH-C3-500mL	Clean3 500mL (16.9oz) bottle. Treats 100 litres (25 gal) per bottle	2	12
AXTH-C5-20L	Clean5 20 L (5.28 gallons) jug. Treats 4000 litres (1060 gal)	45	12
AXTH-C5-2L	Clean5 2L (67.6 oz.) bottle. Treats 400 litres (100 gal) per bottle	5	12
AXTH-C5-500mL	Clean5 500mL (16.9oz) bottle. Treats 100 litres (25 gal) per bottle	2	12
AXTH-CF9A-1L	1L (33.8 oz) bottle c/w extended spray nozzle. For use on Condensing Heat Exchangers	5	13
AXTH-CF9AL	Qty 2 - 1L (33.8 oz) bottles c/w extender spray nozzle. For use on Condensing Aluminum Heat Exchangers	10	13
AXTH-CFSTEEL-1L	1L (33.8 oz) bottle c/w extender spray nozzle. For use on Condensing Stainless Steel Heat Exchangers	5	13
AXTH-INJET	Reusable chemical injection bottle	3	14
AXTH-P1-20L	Protect1 20 L (5.28 gallons) jug. Treats 4000 litres (1060 gal)	45	12
AXTH-P1-2L	Protect1 2L (67.6 oz.) bottle. Treats 400 litres (100 gal) per bottle	5	12
AXTH-P1-500mL	Protect1 500mL (16.9oz) bottle. Treats 100 litres (25 gal) per bottle	2	12
AXTH-P1-Test	Protect1 concentration test kit	1	14
AXTH-pH-Strips	pH test strips	0.5	14
CBF-2	Chemical Bypass Feeder - 2USG	25	17
CBF-2-HP	Chemical Bypass Feeder, Removable Lid - 2USG, 300psi	28	17
CBF-5	Chemical Bypass Feeder - 5USG	55	17
CBF-5-HP	Chemical Bypass Feeder, Removable Lid - 5USG, 300psi	58	17
CBF-B	Chemical Bypass Feeder - Wall Bracket for CBF-2 series	2	17
DMF150	Digital System Mini Feeder - 0-45psi, 4.5USG	10	2
DMF300	Digital System Mini Feeder - 0-45psi, 18USG	24	2
EP10	PEX-Pal - Tubing Organizer End Plate (10 pack)	1.5	15
EXCHBAG-1	Permeable resin exchange bag	5	6,8
FH-10	3/4" Stainless Steel Filter Housing (10" Filter)	6	16
FH-20	1" Stainless Steel Filter Housing (20" Filter)	10	16
HN-1	Hydro-NODE Expansion Tank Bracket	3	18
HN-2	Hydro-NODE Expansion Tank Bracket - Full Kit	4	18
LEADER-CartHP	HighPower Mixed bed resin cartridge for Leader 4.75USG (18 L)	33	6
MBR-12	HighPower Mixed bed resin (12 L)	30	6,8
MBR-2	HighPower Mixed bed resin for the Puropal-complete-2	5	8
MF200	System Mini Feeder - 6USG, 10-25psi	14	2
MF200-1430	Wall mount bracket for MF200	12	2
MF300	System Mini Feeder - 17USG, 10-25psi	24	2
NC-1	Condensate Neutralizer - "NeutraPal" Full Kit (1.6Gal/hr)	6	10
NC-1S	Condensate Neutralizer - "NeutraPal" Hard Pipe Kit (1.6Gal/hr)	4	10
NC-2	Condensate Neutralizer - "NeutraPal" Full Kit (4.0Gal/hr)	10	10
NC-2S	Condensate Neutralizer - "NeutraPal" Hard Pipe Kit (4.0Gal/hr)	8	10
NM-1	Condensate Neutralizer - NC-1 Replacement LipHter+ media	3	10

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Part #	Description	Wgt (lbs.)	Page
NM-15	Condensate Neutralizer - NT15 Replacement Li*pH*ter media	35	10
NM-1P	Condensate Neutralizer - NT1-P Replacement Li*pH*ter+ media	4	10
NM-25	Condensate Neutralizer - NT25 Replacement Li*pH*ter media	40	10
NT15	Condensate Neutralizer - "NeutraPro" Low Profile Tank (20Gal/hr)	40	10
NT1-P	Condensate Neutralizer & Pump - "NeutraPump" Full Kit (1.9Gal/hr)	10	11
NT25	Condensate Neutralizer - "NeutraPro" High Capacity Tank (45Gal/hr)	46	10
NT25-P	Condensate Neutralizer & Pump - "NeutraPump" Full Kit (40gal/hr)	64	11
NT70	Condensate Neutralizer - "NeutraPro" High Flow Tank (132Gal/hr)	185	10
NT70-P	Condensate Neutralizer & Pump - "NeutraPump" High Flow Capacity (132Gal/hr)	215	11
NT70-TP	Condensate Pump - "NeutraPump" High Flow Capacity (132Gal/hr)	20	11
PEX40	PEX-Pal - Tubing Organizer (40 pack)	24	15
PUROPAL-1	Disposable H2O demineralizer w/ color changing resin	3	5
PUROPAL-1000	Disposable H2O demineralizer	14	5
PUROPAL-300	Disposable H2O demineralizer w/ color changing resin	4	5
PUROPAL-COMP-12	Make up water demineralizer 3 USG (12 L)	46	8
PUROPAL-COMP-2	Make up water demineralizer .5 USG (2 L)	18	8
PUROPAL-COMP-25	Make up water demineralizer 7 USG (25 L)	42	8
PUROPAL-COMP-50	Make up water demineralizer 13 USG (50 L)	47	8
PUROPAL-HoseKit	braided hose, S.S. hose clamps, and 3/4" GHT x barb adapters	5	5
PUROPAL-LEADER	Portable H2O demineralizer 4.75 USG (18 L)	50	6
PUROPAL-METER	Flow and conductivity meter	4	5
PUROPAL-PRO-50	Portable H2O demineralizer cart 13 USG (50 L)	81	6
PUROPAL-WB	Wall bracket for disposable H2O demineralizing cartridges	3	5
RIA10-1-SAA	Low Level Alarm Panel (Used with SF & MF Models)	4	2
RIA10-1-4X	NEMA4x Low Level Alarm Panel (Used with SF Models)	5	2
SF100	System Feeder - 55USG, 10-55psi	47	2
SF100-2240	Containment Basin for SF100	33	2
SF100-2PRV	System Feeder - 55USG, 10-55psi, 2PRV outlet	50	2
SF100-2PRV-HP	System Feeder - 55USG, 25-85psi, 2PRV outlet	53	2
SF100-2PRV-L	System Feeder - 100USG, 10-55psi, 2PRV outlet	70	2
SF100-2PRV-HP-L	System Feeder - 100USG, 25-85psi, 2PRV outlet	72	2
SF100-D	System Feeder - 55USG, 10-55psi, Duplex Pump	52	2
SF100-D-2PRV	System Feeder - 55USG, 10-55psi, Duplex Pump, 2PRV	55	2
SF100-D-P	System Feeder - 55USG, 10-55psi, Duplex Pump, Alternating Control Panel	118	2
SF100-D-P-2PRV	System Feeder - 55USG, 10-55psi, Duplex Pump, 2PRV, Alternating Control Panel	134	2
SF100-D-P-L	System Feeder - 100USG, 10-55psi, Duplex Pump, Alternating Control Panel	131	2
SF100-HP	System Feeder - 55USG, 25-85psi	50	2
SF100-L	System Feeder - 100USG, 10-55psi	60	2
SF100-HP-L	System Feeder - 100USG, 25-85psi	63	2
SF100-UHP	System Feeder - 55USG, 35-125psi	48	2
SF100-UHP-L	System Feeder - 100USG, 35-125psi	61	2
SFP-10	Side Stream Filter Package - 3/4", 10" Filter Housing, Full Kit	10	16
SFP-10-10M	10 micron filter replacement for 10" filter housing (30 per box)	0.5	16
SFP-10-25M	25 micron filter replacement for 10" filter housing (30 per box)	0.5	16
SFP-10-5M	5 micron filter replacement for 10" filter housing (30 per box)	0.5	16
SFP-20	Side Stream Filter Package - 1", 20" Filter Housing, Full Kit	13	16
SFP-20-10M	10 micron filter replacement for 20" filter housing (15 per box)	0.5	16
SFP-20-25M	25 micron filter replacement for 20" filter housing (15 per box)	0.5	16

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