Condensate Management

ASPEN® PUMPS
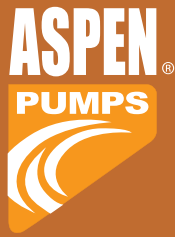
CONDENSATE PUMPS

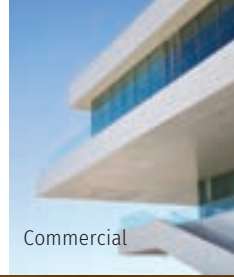# Condensate pumps designed

Commercial

- **7 Mini-split pump styles.**
- **Versatile pump positioning.**
- **Quiet operation.**

ORANGE SERIES ▲

AQUA ▼

◄ MICRO V

LIME SERIES ▲

◄ **PERISTALTIC**
remote placement -
up to 10ft vertical or
40ft horizontal from
condensate source

WHITE

MINI TANK
4 installation options
▼

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Contact: RectorSeal®   ℗ 713-263-8001 | 800-231-3345   Ⓕ 713-263-7577 | 800-441-0051   ⓦ rectorseal.com

The easiest way to find the right pump for any brand of mini-split ...

FastFind Pump Selector

for mini-split systems.

Residential

SELECTING THE CORRECT ASPEN MINI-PUMP

Seven pump models
· Aqua · Orange · Lime · White
· Peristaltic · microV · Mini Tank

Four considerations
• Appearance - A concealed (Aqua, microV) or remote condensate pump (Orange, Peristaltic, mini tank) will preserve the attractive nature of any mini-split installation. Surface mounted pumps (Lime or White) are neatly covered. All pumps are hidden from view and provide a clean finished appearance.
· Quiet Operation - Choose a remote pump (Orange or Peristaltic) installation for the quietest operation in noise sensitive areas. Silent + models are also available. They run quieter and are designated by SP suffix.
• Ease of Installation - Aspen® pump models can accommodate any installation. See the guide and chart (page 13) for options.
• Maintenance - Pump models with filters must be cleaned regularly. Choose a surface type pump (Lime or White) for easy filter access or a pump which requires no filter (Peristaltic).

Two mini-pump types:
• Split - (Orange, Aqua or microV series) are designed with separate pump and reservoir. The pump includes an electronic PCB and the pump motor.
The reservoir contains the filter and the switching mechanism to activate the pump, and must always be kept level and clean for proper operation of the float switch. The filter must be cleaned regularly. The 2 elements are connected together with a length of 1/4" ID vinyl tube and a communication cable, both of which are usually around 6 feet long. On our orange series pumps, this may be extended if required.
• Monobloc - (Lime , White series, mini tank) are designed with both the pump and reservoir as one integral unit, sharing a common body. No connecting tubes or wires are needed. All mini pumps are cooled and lubricated by the water flowing through them. They require a float switch to detect the presence of water in the drain pan and activate the pump only when water is present.

Aspen® pump features:

• Quick and easy to install
· Fit any mini-split, up to 157,000 BTU/hr
· Self priming
· Hall effect sensors operate on water rise
· Dry contact for overflow protection
· Cleanable filters
· Quiet - 21dB (A) to 47dB (A)
· Thermally protected
· Maximum water temperature 104 degree F
· Discharge hose 1/4" ID
· Kits include all components required
· Anti-siphoning device included
· 24 month limited warranty

NOTE: Sound level and pump performance varies with voltage and frequency.

Aqua Series

ASPEN® PUMPS

CSA US

Ultra-slim profile, fits inside evaporator or lineset cover

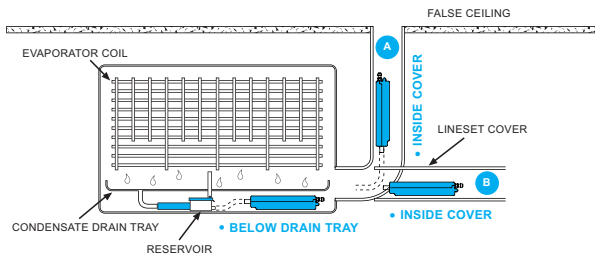|		Power Supply	Power Consumption		Ctn. Wt.	Qty.
Code	Universal Voltage Kits					
83809	(ASP-MA-UNI)	100-250 VAC	.2A	16W	2 lbs	1
	Silent Plus Kits					
83812	(ASP-MA-230-SP)	250 VAC	.1A	16W	2 lbs	1

FEATURES

Ultra-slim profil
- Self Priming
- Integral hanging loop and separate reservoir facilitates attachment in vertical applications
- 3A NC dry contacts rated @ 5A inductive at 230V AC
- Modular terminals for fast connection
- Fully potted electronics*

SPECIFICATIONS

Duty Cycle:
50% duty cycle
5 mins on / 5 mins off

Capacity:
Up to 49,500 BTU/hr. @ 230v
Up to 54,600 BTU/hr. @ 115v
3.2 GPH @ zero head,
1.6 GPH @ 33ft head

Maximum head: 33ft

Suction lift: 5ft

Sound level:
Univolt - 21dB(A)
Silent Plus - 19dB(A)

Pump Dimensions:
L-6½" x H-1⅛" x W-1⅛"

Class: II Appliance

TYPICAL PUMP LOCATIONS

FALSE CEILING

EVAPORATOR COIL

INSIDE DUCT

LINESET COVER

INSIDE COVER

CONDENSATE DRAIN TRAY

BELOW DRAIN TRAY

RESERVOIR

silent+

*Potting is the process of epoxy filling a complete assembly for resistance to shock, vibration, moisture, chemical and promotes sound dampening.
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Orange Series

ASPEN® PUMPS

CSA US

Code		Power Supply	Power Consumption		Ctn. Wt.	Qty.
	Universal Voltage Mini Kits					
83909	(ASP-MO-UNI)	100-230 VAC	.17A	16W	2 lbs	1
	Silent Plus Mini Kits					
83911	(ASP-MO-115-SP)	115 VAC	.18A	16W	2 lbs	1
83912	(ASP-MO-230-SP)	230 VAC	.11A	16W	2 lbs	1
	Maxi Kits					
83919	(ASP-MAXO-UNI)	100-240 VAC	.18A	21W	2 lbs	1
	15' Extension Cable For Mini Kits					
83891	(ASP-MOEXT)					

FEATURES

- Self Priming
- Pump installs remotely above ceiling or inside lineset cover
- Pan mount and inline style reservoir included
- Modular terminals for fast connection
- Gravity Inlet
- Fully potted electronics*
- 3A NC dry contacts rated @ 5A inductive at 230V AC

SPECIFICATIONS

Duty Cycle:
Mini - non-continuous
Maxi - 50% 5 mins on / 5 mins off

Capacity:
Mini - Up to 54,600 BTU/hr. @ 115v
Up to 49,500 BTU/hr. @ 230v
3.2 GPH @ zero head,
1.6 GPH @ 33ft head
Maxi - Up to 157,000 BTU/hr.
8.9 GPH @ zero head,
1.5 GPH @ 50ft head

Maximum head:
Mini - 33ft Maxi - 49ft

Suction lift: 5ft

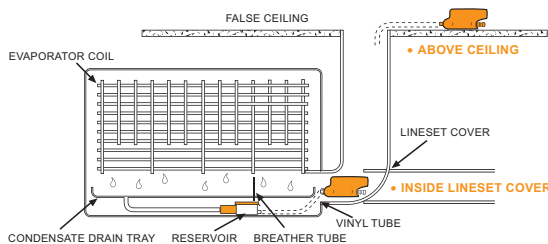**Sound level:**
Mini - 21dB(A) Maxi - 35dB(A)
Silent Plus - 19dB(A)

Pump Dimensions:
Mini: L-4¼" x W-1½" x H-2"
Maxi: L-4⅞" x W-1¾" x H-2⅝"

Class: II Appliance

TYPICAL PUMP LOCATIONS

Aspen pre-filter available - see page 79

silent+

Lime Series — Elbow design, completely reversible, duct included

ASPEN® PUMPS

CSA US

Pump Dimensions:
Mini: H-3⅛" x W-3¾" x D-1⅝"
Maxi: H-3⅜" x W-3¾" x D-1⅝"

Lineset Casing Dimensions:
Mini/Maxi Elbow Casing:
H-5¼" x W-5¼" x D-2¾"
Mini/Maxi Duct Casing:
H-31" x W-5¼" x D-2¾"
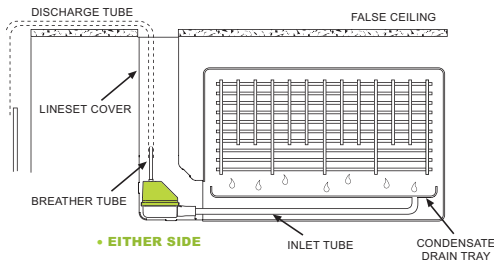
Code		Power Supply	Power Consumption		Ctn. Wt.	Qty.
	Universal Voltage Mini Kits					
83849	(ASP-ML-UNI) Slimline Ivory	100-230 VAC	.16A	16W	4 lbs	1
83859	(ASP-MLF-UNI) Fortress White	100-230 VAC	.16A	16W	4 lbs	1
	Silent Plus Mini Kits					
83852	(ASP-ML-230-SP) Slimline Ivory	230 VAC	.10A	15W	4 lbs	1
	Maxi Kits					
83831	(ASP-MAXLF-230) Fortress White	230 VAC	.10A	15W	4 lbs	1
	OEM Maxi Kits					
83835	(ASP-MAXOEM-230) No Duct	230 VAC	.10A	15W	2 lbs	1
Code	**OEM Mini Kits**					
83869	(ASP-MLOEM-UNI) No Duct	100-230 VAC	.16A	16W	2 lbs	1

FEATURES
• Left or right install
• Easily accessed for filter cleaning
• Two lineset cover styles available - Slimline or Fortress
• 3A NC dry contacts rated @ 5A inductive at 230V AC
• Fully potted electronics*

SPECIFICATIONS
Duty Cycle:
Mini - non-continuous
Maxi - 66% 10 mins on / 5 mins off
Capacity:
Mini - Up to 54,600 BTU/hr.
2.9-3.2 GPH @ zero head,
1.3-1.5 GPH @ 33ft head
Maxi - Up to 157,000 BTU/hr.
9.0 GPH @ zero head,
2.9 GPH @ 49 head
Maximum head:
Mini - 33ft   Maxi - 49ft
Sound level:
Mini - 25.5dB(A)
Maxi - 35dB(A)
Silent Plus - 21dB(A)
Class: II Appliance

TYPICAL PUMP LOCATIONS

DISCHARGE TUBE
FALSE CEILING
LINESET COVER
BREATHER TUBE
EITHER SIDE
INLET TUBE
CONDENSATE DRAIN TRAY

Aspen pre-filter available - see page 79

US Patent #6,817,194

*Potting is the process of epoxy filling a complete assembly for resistance to shock, vibration, moisture, chemical and promotes sound dampening.

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microV

ASPEN®
PUMPS

CSA US

Code	Universal Voltage	Power Supply	Power Consumption		Ctn. Wt.	Qty.
83949	(ASP-MV-UNI)	100-250 V AC	.45A	16W	2 lbs	1

FEATURES
- Compatible with all mini-split air conditioners brands/models
- Silent+, Univolt technology Plug and Play connection
- 3A NC dry contacts rated @ 5A inductive at 230V AC
- Fully Potted*
- Self Priming

SPECIFICATIONS
Duty Cycle: continuous
Capacity: Up to 66,000 BTU/hr.
3.8 GPH @ zero head,
1.8 GPH @ 33ft head
Maximum head: 33ft
Suction lift: 6.6ft
Sound level: 19dB(A)
Pump Dimensions:
H-1⅜" x W-4¼" x D-1⅛"
Class: II Appliance
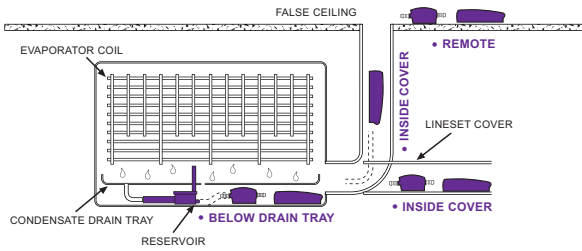
TYPICAL PUMP LOCATIONS

FALSE CEILING
• REMOTE
EVAPORATOR COIL
• INSIDE COVER
LINESET COVER
CONDENSATE DRAIN TRAY
• BELOW DRAIN TRAY
• INSIDE COVER
RESERVOIR

silent+

Aspen pre-filter available - see page 79

White Series

ASPEN PUMPS

CSA US

Mounts directly below evaporator, quick installation

Code	Universal Voltage	Power Supply	Power Consumption		Ctn. Wt.	Qty.
83939	(ASP-MW-UNI)	100-250 VAC	.17A	16W	2 lbs	1
	Accessory					
83933	Ivory Cover				2 lbs	1

FEATURES

- Surface mounts below evaporator, at either end
- Crisp white color and slim profile complement any evaporator. Additional colors available (contact RectorSeal®)
- Resilient mounting minimizes vibration & noise
- Cleanable replaceable plastic filter cartridge accepts water treatment tablet
- Accepts standard 5/8" drain hose from any mini-split
- Extra large reservoir capacity minimize pump operation
- All components clip apart for easy disassembly without tools
- Fully potted electronics*
- No need to disturb evaporator to clean filter, reservoir clips out from front for easy removal and replacement
- 3A N/C dry contacts rated @ 5A inductive @ 230V AC

SPECIFICATIONS

Duty Cycle:
Non-continuous
Capacity:
Up to 54,000 BTU/hr.
2.9 GPH @ zero head
1.2 GPH @ 33ft head
Maximum head: 39ft
Maximum Water Temp: 104° F
Suction Lift: NA
Sound level: 21dB(A)
Pump Dimensions:
L-7⅛" x H-4½" x W-2"
Class: II Appliance
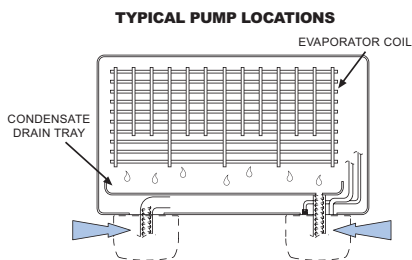
*Potting is the process of epoxy filling a complete assembly for resistance to shock, vibration, moisture, chemical and promotes sound dampening.
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Peristaltic

ASPEN PUMPS

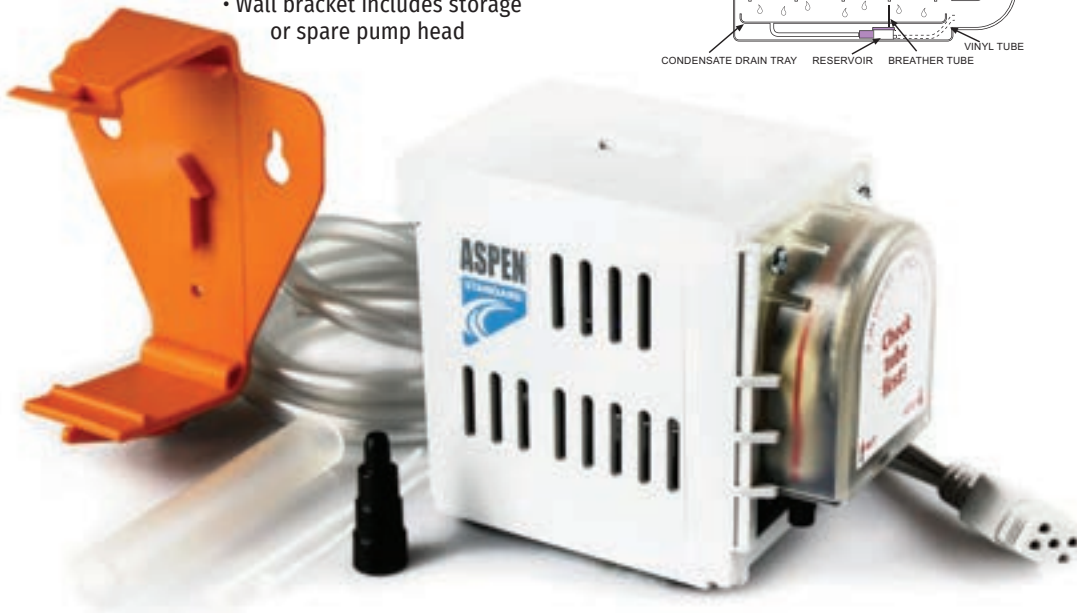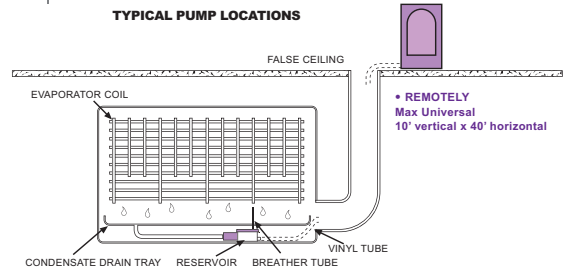|		Power Supply	Power Consumption		Ctn. Wt.	Qty.
Code	**Universal Sensor**					
83966	(ASP-PERI-UNI-230)	230 VAC	.20A	46W	6 lbs	1
	Replacement Pump Head					
83892	(ASP-PERITUBE)					

FEATURES
- Reliability - low maintenance
- Filterless operation. Pump evacuates wash from the evaporator coil during condensate production.
- Enables intermittent operation with a reservoir and float switch or continuous operation with the evaporator.
- Quick replacement pump head
- Self priming. Can run both wet and dry.
- 3 minute timer overrun protection
- Siphon proof
- Thermally protected pump
- Eliminates corrosion & clogging
- High level of lift allows remote placement - up to 10ft vertical or 40ft horizontal from condensate source
- Manual test switch
- Fire retardant housing
- Internal fuse
- Push in plug facilitates service without disconnecting wiring
- Wall bracket includes storage or spare pump head

SPECIFICATIONS
Duty Cycle:
100% Continuous
Capacity:
Up to 30,000 BTU/hr.
1.65 GPH @ 39ft head
Maximum head: 39ft
Maximum Water Temp: 104° F
Suction Lift: 10ft
Sound level: 47dB(A)
Pump Dimensions:
L-5¼" x H-4½" x W-3"
Class: II Appliance

TYPICAL PUMP LOCATIONS

FALSE CEILING

EVAPORATOR COIL

• **REMOTELY**
Max Universal
10' vertical x 40' horizontal

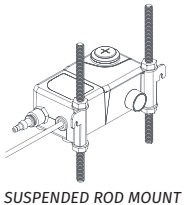CONDENSATE DRAIN TRAY   RESERVOIR   BREATHER TUBE   VINYL TUBE

Aspen pre-filter available - see page 79

Mini Tank

Versatile and powerful multi-functional condensate pump

ASPEN® PUMPS

CSA US

Mounting Options:

FLOOR MOUNT

IN DRAIN PAN

WALL MOUNT

SUSPENDED ROD MOUNT
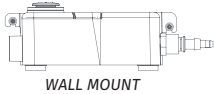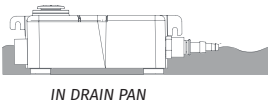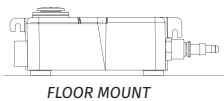
Code	Tank Pump Kit	Power Supply	Power Consumption		Ctn. Wt.	Qty.
83941	FP 1056/2	230 VAC	.15-.28A	21W	1.5 lbs	1

FEATURES
- Ideal for ducted units, floor standing and chassis units, ceiling cassette units
- High performance piston technology
- Includes anti-siphon device.
- Great alternative to large and noisy traditional condensate pumps
- 4-installation options - can be wall mounted, floor mounted, in-pan or suspended on 1/4"/ 3/8" rod.
- Accepts standard 5/8" drain hose from any mini-split
- Extra large reservoir capacity minimize pump operation
- Components clip apart for easy access to reservoir and filter
- Fully potted electronics*
- No need to disturb evaporator to clean filter
- 3A N/C dry contacts rated @ 5A inductive @ 230V AC
- Thermal protection

SPECIFICATIONS:
Duty Cycle:
50% duty cycle
5 mins on / 5 mins off
Capacity:
Up to 157,000 BTU/hr.
8.0 GPH @ zero head,
1.6 GPH @ 49ft head
Maximum head: 49ft
Maximum Water Temp: 104° F
Sound level: 35dB(A)
Pump Dimensions:
L-8½" x H-2⅝" x W-3½"

Pump Selector Guide

|	83809 (ASP-MA-UNI)	83812 (ASP-MA-230-SP)	83909 (ASP-MO-UNI)	83911 (ASP-MO-115-SP)	83912 (ASP-MO-230-SP)	83919 (ASP-MAXO-UNI)	83849 (ASP-ML-UNI)	83859 (ASP-MLF-UNI)	83852 (ASP-ML-230-SP)	83831 (ASP-MAXLF-230)	83835 (ASP-MAXOEM-230)	83869 (ASP-MLOEM-UNI)	83939 (ASP-MW-UNI)	83966 (ASP-PERI-UNI-230)	83949 (ASP-MV-UNI)	83941 MINI TANK PUMP
Electrical																
230V Model		•			•				•	•	•			•	•	•
115V Model				•												
Univolt Model	•		•			•	•	•				•	•		•	
Overflow Switch	•	•	•	•	•	•	•	•	•	•	•	•	•		•	
Mounting																
Surface Mount							•	•	•	•	•	•	•		•	•
Concealed in Evaporator	•	•													•	•
Concealed in Lineset Cover			•	•	•	•	•	•	•	•	•	•			•	•
Remote Pump Install (ideal for noise sensitive areas)	•	•	•	•	•	•								•	•	•
Easy Filter Access							•	•	•	•	•	•	•			•
Lineset Duct Kit included							•	•	•	•						
General																
Inline Reservoir Included (5/8 inlet)	•	•	•	•	•	•								•	•	•
Drain Pan Mounted Reservoir Included (optional for ducted systems)			•	•	•	•										
Integral Reservoir on Pump							•	•	•	•	•	•	•			•

For more detailed selection information see our Technical Bulletin "Selecting the Right Model Aspen® Pump for Your Mini-split Installation" on our web site.

Prior to installation, calculate condensate production of indoor evaporating coil to confirm suitability of condensate pump in application.
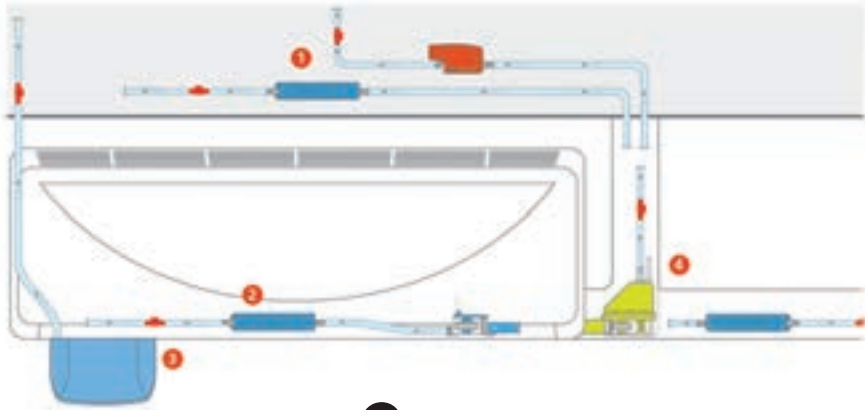
Type ①　Installation

For optimum quietness, the solution is a remote mounted pump.

PERISTALTIC, AQUA, ORANGE, microV, MINI TANK

Type ② ③　Installation – rear entry lineset

Lineset enters the evaporator from directly behind.

WHITE – Pump assembly mounts on wall surface below the evaporator (easy filter access).

AQUA – Both pump and reservoir mount inside of evaporator, below the drain pan.

microV – Both pump and reservoir mount inside of evaporator, below the drain pan.

Type ④　Installation – exposed straight lineset

Lineset enters the evaporator from either side, extending horizontally to outside wall.

AQUA, ORANGE or microV – Pump mounts outside the evaporator hidden inside horizontal lineset cover. Reservoir mounts inside of evaporator, below the drain pan.

Type ④　Installation – side entry lineset

Lineset enters the evaporator from either side, turns 90 degrees up into the ceiling and is completely concealed by lineset cover (included in kit).

LIME – *Pump assembly mounts outside the evaporator, behind easy to remove elbow cover. Transparent reservoir clips off pump for easy filter access.*

Condensate Drain Hose   Non-Insulated

Code	ID	Length	Ctn Qty	Ctn Wt
83001 (DH-14) STANDARD	1/2 in	164 ft	1	6 lbs.
83002 (DH-16) STANDARD	5/8 in	164 ft	1	7 lbs.
83003 (DH-16S) STANDARD	5/8 in	20 ft	5	6 lbs.
83004 (DHQ-16) UV RESISTANT	5/8 in	164 ft	1	6 lbs.
83005 (DSB-16) SMOOTH BORE	5/8 in	65 ft	1	2 lbs.

Non-Insulated   UV Resist   Smooth Bore

Smooth Bore (DSB-16)
Reduces resistance and maximizes condensate flow. Resists clogging.
UV Resistance (DHQ-16)
Resists deterioration from Sunlight.

Condensate Drain Hose   Insulated

Code	ID	Length	Ctn Qty	Ctn Wt
83011 (DSH-14)	1/2 in	65 ft	1	7 lbs.
83012 (DSH-20N)	3/4 in	65 ft	1	10 lbs.
83013 (DSH-25N)	1 in	65 ft	1	13 lbs.

Insulated

Insulated
Protects hose from sweating that can occur from cooler condensate and warmer ambient air.

Fittings & Cable

For mini-split installation

CONNECTOR FOR NON-INSULATED DRAIN HOSE

Code	ID	Ctn Qty	Ctn Wt
83028 (DHJ-14) *Joins DH-14 hose to DH-14 hose*	1/2 in	10	1 lb.
83029 (DHJ-16) *Joins DH-16 hose to DH-16 hose*	5/8 in	10	1 lb.

PIPE ADAPTER

Code	ID	Ctn Qty	Ctn Wt
83031 (DSH-14C) INSULATED *Joins DSH-14 insulated drain hose to A/C drain pipe*	–	10	2 lbs.

CONNECTOR FOR INSULATED DRAIN HOSE

Code	ID	Ctn Qty	Ctn Wt
83021 (DSH-14J) *Joins DSH-14 hose to DSH-14 hose*	1/2 in	10	2 lbs.
83023 (DSH-20-NJ) *Joins DSH-20 hose to DSH-20 hose*	3/4 in	10	2 lbs.

PIPE ADAPTER

Code	ID	Ctn Qty	Ctn Wt
83020 (DH-14-16V) *Joins DSH-14 Hose to 3/4 PVC*	3/4 in	10	2 lbs.
83024 (DSH-20-NV) *Joins DSH-20 Hose to 3/4 PVC*	3/4 in	10	2 lbs.

VENTED DRAIN WYE*

Code	ID	Ctn Qty	Ctn Wt
83022 (DY-16)	5/8 in	10	1 lbs.

*Recommended to be used with EZT-180 Mini waterless in-line trap. EZT-180 can be found on page 21.

WALL SLEEVE

Code	Size	Ctn Qty	Ctn Wt
83017 (NFP-75) WALL SLEEVE	3"x 5" - 7"	10	1 lb.

NON-ADHESIVE WRAP

Code	Size	Ctn Qty	Ctn Wt
83016 (HN-75-I) UV RESISTANT NON-ADHESIVE WRAP	3" x 70'	4	1 lb.

INTERCONNECT CABLE

Code	Length	Ctn Qty	Ctn Wt
87795 (CAB-14450) 4/C 14 GAUGE SHIELDED	50'	1	5 lbs.
87790 (CAB-144100) 4/C 14 GAUGE SHIELDED	100'	1	10 lbs.

Model SS1 — Primary drains or auxiliary drain outlets

Code	Description	Qty.
97632	Model SS1	24
97631	Model SS1 (clear body)	24

c UL us
LISTED
INDL. CONT. EQ.
75MF
UL 508

FEATURES
- Condensate overflow switch
- Magnetic reed switch
- Install vertically or horizontally
- Connect to either red or yellow wire
- NEW! Includes directional cleanout tool to provide cleanout access.

APPLICATION
• Detects clogged A/C condensate drains and shuts off the system to prevent water damage to floors, walls and ceilings • Can be installed horizontally or vertically, inline or on the primary pan's auxiliary drain outlet by using the included ¾" adapter, bushing and cap • Can be installed on a sloping line and does not need to be level or plumb.

US Patent No. 6,442,955

Directional Cleanout Tool — Cleanout access fitting

Code	Description	Qty.
97629	Directional Cleanout Tool	24

FEATURES
- Simple, versatile, effective
- Works with Mighty Pump™ or standard shop vac

APPLICATION
• For directional cleanout of condensate drain line • Fits perfectly with Safe-T-Switch SS1 and all 3/4" drain lines• Can be left with the Safe-T-Switch or removed for future jobs.

Model SS2 — Primary pan auxiliary outlet

Code	Description	Qty.
97637	Model SS2	24

c(UL)us LISTED
IND. CONT. EQ.
75MF
UL 508

FEATURES
• Condensate overflow switch
• Magnetic reed switch
• Connect to either red or yellow wire

APPLICATION
• Detects clogged A/C condensate drains and shuts off the system • Using the ¾" adapter the SS2 can be installed on the auxiliary outlet of the primary drain pan • Easy access to the switch and the primary drain line for service

US Patent No. 6,442,955

Model SS3 — Primary & auxiliary drain pans

Code	Description	Qty.
97647	Model SS3	24

c(UL)us LISTED
IND. CONT. EQ.
75MF
UL 508

FEATURES
• Condensate overflow switch
• Magnetic reed switch
• Connect to either red or yellow wire

APPLICATION
• Detects clogged A/C condensate drains and shuts off the system • Steel mounting bracket clips firmly over the edge of most drain pans • Slim profile can be installed on primary or auxiliary drain pans .

US Patent No. 6,698,215

Model SS2AP — Plenum rated

Code	Description	Qty.
97640	Model SS2AP	50

c(UL)us LISTED
IND. CONT. EQ.
75MF
UL 508
UL 2043

FEATURES
• Condensate overflow switch
• Magnetic reed switch
• Connect to either red or yellow wire

APPLICATION
• Detects clogged A/C condensate drains and shuts off the system • Schedule 40 CPVC, plenum rated and listed to UL-2043 • Use ¾" adapter to install on the auxiliary outlet of the primary drain pan.

US Patent No. 6,442,955

SS 103 E — Dual sensors

Code	Description	Qty.
97692	SS 103 E	24

c UL us LISTED
IND. CONT. EQ.
25XE
UL 508

FEATURES
- Electronic probe sensor
- 5-wire design
- Onboard LED indicator
- 5 amp carrying capacity
- Either normally open or normally closed

APPLICATION • For primary drain line and auxiliary drain pan or auxiliary drain outlet and auxiliary drainpan • Can be installed horizontally or vertically or inline • Onboard LED indicates the condition of the unit at a glance • No moving parts

SS 500 EP — Commercial rooftop downflow units

Code	Description	Qty.
97693	SS 500 EP	24

c UL us LISTED
IND. CONT. EQ.
25XE
UL 508
UL 2043

FEATURES
- Electronic probe sensor
- 5-wire design
- Onboard LED indicator
- Plenum rated wire
- 5 amp carrying capacity
- Either normally open or normally closed

APPLICATION
• Install on primary drain pan when plenum rating is needed
• Small size and slim profile great for use on commercial rooftop downflow units

SS 610 E — Mini-Split systems

Code	Description	Qty.
97622	SS 610 E	12

c UL us LISTED
IND. CONT. EQ.
25XE
UL 508

FEATURES
- Sensor connects to indoor units
- Onboard LED indicator can be mounted to side of unit
- Power supply - 15 to 250 volts AC, 15-100 volts DC
- Switching Capacity - 0 to 250 volts AC, 5A, 1259VA; 0 to 30 volts DC, 5A, 150W

APPLICATION
• Designed for mini-split systems • For installation directly on primary drain pan or clipped to coils above primary drain pan
• Multi-voltage
• No batteries required

US Patent No. 8,887,392

SS 700 E — Directly in the secondary drain pan

Code	Description	Qty.
97695	SS 700 E	24

c UL us LISTED
IND. CONT. EQ.
25XE
UL 508

FEATURES
- Multiple mounting angles
- Works in any position
- Universal puck works in all secondary drain pans
- Onboard LED indicator
- Stainless steel bracket
- Either normally open or normally closed

APPLICATION
• Designed to work in any position within a secondary drain pan, eliminating screws and clips • Multiple • Great for use in plastic overflow pans with round edges • Automatically resets when water drains or is removed from secondary pan
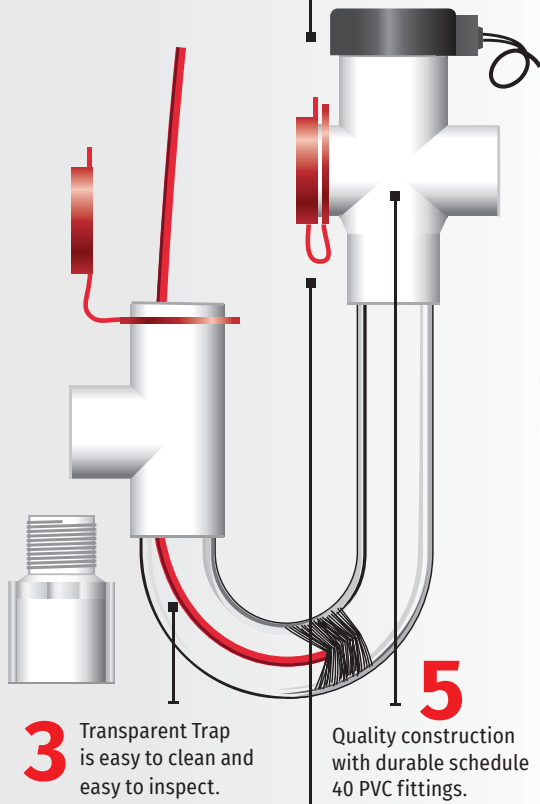
EZ TRAP®

Condensate Traps and Overflow Switches
Easy Maintenance & Overflow Protection

SmartTrap™ (200 SERIES)

1 adds a float switch that warns of blockage and shut down the A/C unit. Slip fit float switch removes easily for cleaning and inspection.

2 Proven reliability and higher switching capacity with microswitch technology. (4A NO/NC)

3 Transparent Trap is easy to clean and easy to inspect.

4 Watertight red caps provide easy access to clean the trap and drain pan outlet.

5 Quality construction with durable schedule 40 PVC fittings.

Patent No. 5,069,042

EZ TRAP®
2 Year Warranty

RS #	(ref. #)	Size
83113 (EZT113)		3/4"

Economy trap kit no/brush
Thinner walled trap for light duty applications. 10 per carton.
Includes: 3/4" trap, 3/4" cross, 3/4" tee, three 3/4" red caps, **1" drop.**

RS #	(ref. #)	Size
83114 (EZT113B)		3/4"

Economy trap kit w/brush
Thinner walled trap for light duty applications. 10 per carton.
Includes: 3/4" trap, 3/4" cross, 3/4" tee, three 3/4" red caps, cleaning brush, **1" drop**.

RS #	(ref. #)	Size
83119 (EZT119)		1"

High flow commercial trap kit
for use when a 1" dia. discharge is required. 10 per carton.
Includes: 1" standard trap, 1" cross, 1" tee, 1" x 3/4 reducer bushing, 3/4" black stub, two 1" red caps, 1" male adaptor, cleaning brush, **1" drop**.

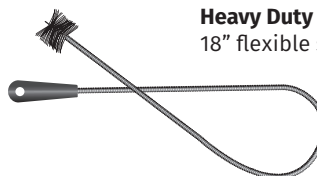| RS #	(ref. #)
83406 (EZT406)	

Standard Cleaning Brush
18" flexible rod. 25 per carton.

RS #	(ref. #)
83405 (EZT405)	

Heavy Duty Cleaning Brush
18" flexible stainless rod. 10 per carton.

200 SERIES SMART TRAP™ KITS

Float switch overflow protection. Clear cleanable trap

220 SERIES OVERFLOW SWITCHES

Float switch overflow protection.

RS #	(ref. #)	Size
83205	**(EZT205)**	3/4"

Deep SmartTrap kit
for fluctuating static pressure found in systems with variable speed air handlers. 10 per carton.
Includes: 3/4" Deep Standard Trap, 1" cross, 1" red cap, 1"x 3/4" bushing, 3/4" tee, 3/4" black stub, 3/4" male adapter, float switch assembly, 72" cable, cleaning brush, **3" drop**.

RS #	(ref. #)	Size
83224	**(EZT224)**	3/4"

Compact overflow switch
with 3/4" male threaded inlet
Thread into fitting on secondary drain pan. 10 per carton.
Includes: 1"x 3/4" male threaded street ell, float switch assembly, 72" cable.

RS #	(ref. #)	Size
83207	**(EZT207)**	3/4"

Side entry SmartTrap kit
for offset mounting on "A" coil applications on top of a vertical furnace. 10 per carton.
Includes: 3/4" Standard Trap, 3/4" cross, two 3/4" red caps, 3/4" tee, 3/4" black stub, 3/4" male adapter, float switch assembly, 72" cable, cleaning brush, reducing tee, **1" drop**.

RS #	(ref. #)	Size
83225	**(EZT225)**	3/4"

Inline universal primary/ secondary overflow switch
3/4" or 1" inlet, with 3/4" outlet. Install vertical or horizontal, inline or plugged. 10 per carton.
Includes: 1"x 3/4"x 1" tee, 3/4" male adaptor, 3/4" plug, 1"x 3/4" bushing, float switch assembly, 72" cable.

RS #	(ref. #)	Size
83210	**(EZT210)**	3/4"

Standard SmartTrap kit
fits most applications requiring automatic shut down. 10 per carton.
Includes: 3/4" Standard Trap, 3/4" cross, 3/4" red cap, 1"x 3/4" bushing, 3/4" tee, 3/4" black stub, 3/4" male adapter, float switch assembly, 72" cable, cleaning brush, 1" drop.

RS #	(ref. #)	Size
83226	**(EZT226)**	3/4"

Compact overflow switch with 3/4" female slip inlet
Two part design for use where obstructions prevent direct threading. 10 per carton.
Includes: 1"x 3/4" slip female street ell, 3/4" male adaptor, float switch assembly, 72" cable.

RS #	(ref. #)	Size
83230	**(EZT230)**	3/4"

Tamper resistant SmartTrap kit with threaded cleaning cap.
Fits most applications Includes clear u-bend for inspection, and access ports for easy cleaning. 10 per carton.
Includes: 3/4" Standard Trap, 1" cross, 3/4" locking cap, 1"x 3/4" bushing, 3/4" tee, 3/4" black stub, 3/4" male adapter, float switch assembly, 72" cable, cleaning brush, **1" drop**.

RS #	(ref. #)	Size
83228	**(EZT228)**	3/4"

Inline primary/secondary overflow switch
Same as 225 with clear extension tube for visual indication. 10 per carton.
Includes: 1"x 3/4"x 1" tee, 3/4" male adaptor, 3/4" plug, 1"x 3/4" bushing, float switch assembly, extension tube, 72" cable.

EZ TRAP®

UltraTrap™ Waterless Condensate Traps

For Negative & Positive Pressure Systems
Up to .5" WG, Capacity 2.7 GPM

UltraTrap™

1 Unique patented design retains no water and needs no priming. Spring-assisted float eliminates standing water and freezing problems associated with conventional P traps. UltraTrap allows free flow of condensate while preventing reverse airflow.

2 Captive twist-off locking ring.

Condensate collects

Float depresses water is released
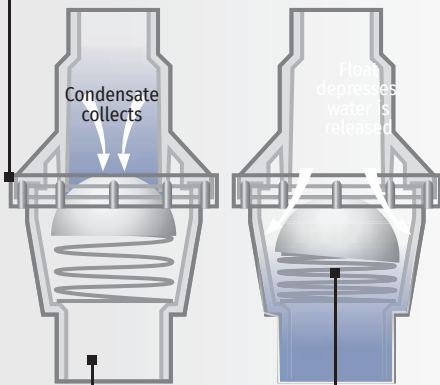
3 Transparent trap allows for easy cleaning and inspection.

4 Stainless steel spring.

EZ TRAP®

2 Year Warranty

RS #	(ref. #)	Size
83150	**(EZT150)**	3/4" OR 1"

UltraTrap waterless trap kit
eliminates standing water and freezing problems. Positive or negative pressure systems. 5 per carton.
Includes: 3/4" UltraTrap, 3/4" cross, two 3/4" red caps, 3/4" male adaptor, 3/4" coupler, cleaning brush.

RS #	(ref. #)	Size
83180	**(EZT180)**	5/8"

Mini waterless in-line trap
sized for use in ductless mini-split* applications. Use on any mini-split condensate drain line. Permits free condensate flow while blocking odors, noise and insects. Freeze resistant. Only 2-3/4" long. 10 per carton.
Includes: 5/8" MiniTrap, 9/16" adapter.

*Per 2015 IMC 307.2.4.1 Commentary: All mini-splits shall require an inline check valve in the drain line or trap to prevent airflow from interfering with condensate flow and prevent the escape of air through the drain.

600 Combo kit
SERIES Clear Trap and Overflow Switch

RS #	(ref. #)	Size
83626	**(EZT626)**	3/4"

For coverage of the entire condensate drain system. 5 per carton.

Compact overflow switch with 3/4" female slip inlet & economy trap kit w/brush
Two part design for use where obstructions prevent direct threading.
Includes: 1"x 3/4" slip female street ell, 3/4" male adaptor, float switch assembly, 72" cable. Thinner walled trap for light duty 3/4" blow molded trap, 3/4" cross, 3/4" tee, three 3/4" red caps, cleaning brush, **1" drop**.

AG-1100+   Magnetic Float Switch System for Metal Pans

Code	Description	Qty.
96100	Float Switch	30

C UL US LISTED

IND. CONT. EQ.
**75MF
UL 508**

FEATURES
• Easy, Drill-Free Installation
• Pull Up Test Knob
• Protective Cover
• UL 508

APPLICATION • The AG-1100+ is incredibly easy to install. It can be mounted to the drain pan in 10 seconds or less. Installation does not require any pre-drilling for screws. The AG-1100+ incorporates a protective cover to keep out insulation and debris that could prevent the float from rising.
• Normally Open 3rd Wire for Optional External Alarm, Digital Controller, or Energy Management System
• Residential and Commercial
• High Capacity 5 Amp, 24 Volt AC Magnetic Float Switch

US Patent 7,710,283

On Duty 24/7 **AquaGuard®**

AG-1200+   Magnetic Float Switch System for Metal & Plastic Pans

Code	Description	Qty.
96106	Float Switch	30

C UL US LISTED

IND. CONT. EQ.
**75MF
UL 508**

FEATURES
• Easy, Drill-Free Installation
• Pull Up Test Knob
• Protective Cover
• UL 508

APPLICATION • The AG-1200+ has all of the features of the 1100+ plus an innovative two-piece clamp design which allows it to be mounted to a metal secondary drain pan (without a lip) or a plastic secondary drain pan (with a lip) in 10 seconds or less, without screws or drilling. Protective cover keeps out insulation, pests and debris.
• Normally Open 3rd Wire for Optional External Alarm, Digital Controller, or Energy Management System • Residential and Commercial • High Capacity 5 Amp, 24Volt AC Magnetic Float Switch

US Patent 7,710,283

AG-1250E — Multipurpose Water Sensor

Code	Description	Qty.
96108	Water Sensor	30

c(UL)us LISTED
IND. CONT. EQ.
25XE
UL 508

FEATURES
- Either normally open or normally closed
- Solid state sensor with water detection LED
- NEW adjustable height mount
- 6 feet of control wire
- 5 amp capacity, 0-24 Vac/dc
- Can be used with communicating systems
- UL 508

APPLICATION • The AG-1250E multipurpose water sensor is mounted directly in a metal or plastic secondary pan, floor or wall. The AG-1250E is a high-amperage, solid state sensor with no moving parts to break down or become clogged. The low profile design makes it easy to install.
• Normally Open Wire for Optional External Alarm, Digital Controller or Energy Management • Versatile mounting options allow positioning on the unit, in a secondary pan, floor or wall
• Clip on mounting base for easy cleaning and drying of sensor

US Patent 8,578,770

AG-2550E — Inline Water Sensor

Code	Description	Qty.
96110	Inline Water Sensor	10

c(UL)us LISTED
IND. CONT. EQ.
25XE
UL 508

FEATURES
- Removable cap
- Install horizontal or vertical
- Water detection LED light
- Bonus secondary sensor
- Either normally open or normally closed
- 6 feet of probe & sensor wire
- Elbow & straight coupling adapters included
- 5 amp capacity, 0-24 Vac/dc
- Can be used with communicating systems
- 2 Sensors for price of 1
- UL 508

APPLICATION • The AG–2550E electronic water sensor is designed for use on the primary drain line and is integrated with an access port for clearing and removing clog causing debris. The water sensor has no moving parts and the unique design of the insulated housing allows the application of chemicals to clean the drain without any worry of retrograde backflow into your HVAC unit.
• Electronic In-Line Water Sensor and Insulated Access Port for Primary Drain Lines • Unobstructed 3/4 Inch Flow-Switch does not Impede Drainage • Integrated Easy Access Port for Cleaning Out Drain Lines and Adding Chemicals.
• Bonus Secondary Sensor with Water Detection LED Light for secondary drain pans • Normally Open Wire for Optional External Alarm, Digital Controller or Energy Management Systems.

US Patent 8,154,313 & 8,578,770

AG-3125E — Primary Pan Sensor

Code	Description	Qty.
96120	Primary Pan Sensor	30
96122	Primary Pan Sensors - 6pk	5

c(UL)us
LISTED
IND. CONT. EQ.
25XE
UL 508

FEATURES
- Time delay
- Water detection LED
- Adhesive tape mounting
- 6 feet of wire
- Either normally open or normally closed
- 5 amp capacity, 0-24 Vac/dc
- Can be used with communicating systems
- UL 508

APPLICATION • The AG-3125E primary pan sensor is mounted directly in the auxiliary drain port of the primary pan. The AG-3125E is a high amperage (24VAC, 5Amp), solid state sensor with no moving parts to break down or become clogged. • Voltage rating: 24 vac, 5 amp • LED indicator light for easy troubleshooting • Compact waterproof design

US Patent 8,151,580; 8,154,313; 8,561,417; 8,578,770

AG-3150E — Primary Pan Sensor

Code	Description	Qty.
96124	Primary Pan Sensor	10

c(UL)us
LISTED
IND. CONT. EQ.
25XE
UL 508

FEATURES
- Time delay
- Install horizontal or vertical
- Water detection LED light
- Bonus secondary sensor
- Compact waterproof design
- Either normally open or normally closed
- 5 amp capacity, 0-24 Vac/dc
- Can be used with communicating systems
- UL 508

APPLICATION • The AquaGuard AG-3150E primary pan sensor is mounted directly in the auxiliary drain port of the primary drain pan. The bonus secondary sensor can be installed either vertically or horizontally and features a water detection LED. • Redesigned Probe Sensor for Increased reliability • Two Sensors for the Price of One • 6 Feet of Both Probe & Sensor Wire • 5 Amp, 24 Volts AC Solid State Sensor with Water Detection LED Light • Normally Open Wire for Digital Controller or Energy Management Systems

US Patents 7,744,395; 8,151,580; 8,154,313; 8,561,417; 8,578,770

AG-3175E — Primary Pan Sensor (Plenum Rated)

Code	Description	Qty.
96126	Primary Pan Sensor	10

FEATURES
- Time delay
- Plenum-rated probe & wire
- Install horizontal or vertical
- Water detection LED light
- Bonus secondary sensor
- Compact waterproof design
- Either normally open or normally closed
- 5 amp capacity, 0-24 Vac/dc
- Can be used with communicating systems
- UL 508

APPLICATION • The AquaGuard AG-3175E's primary pan sensor is mounted directly in the auxiliary drain port of the primary drain pan.
The bonus secondary sensor can be installed either vertically or horizontally and features a water detection LED.
• Redesigned probe sensor for increased reliability • Two sensors for the price of one • 6 Feet of both plenum rated probe & sensor wire • 5 Amp, 24 Volts AC solid state sensor with water detection LED light • Normally open wire for optional external alarm, digital controller or energy management systems

US Patents 7,744,395; 8,151,580; 8,154,313; 8,561,417; 8,578,770

AG-2510 — AquaMate In-line Accessory Port

Code	Description	Qty.
96186	In-Line Port	10

FEATURES
- Allows easy access
- Install horizontal or vertical
- Prevents retrograde backflow
- Pre-insulated to prevent freezing or cracking

APPLICATION • The AG-2510 AquaMate In-Line maintenance and clean out port attaches directly to the primary or secondary drain line and allows easy access into the drain line for routine maintenance or in the event of a clog, which can be caused by dust, debris or insulation.

AG-3180E — Micro Pan Sensor (Plenum Rated)

Code	Description	Qty.
96128	Micro Pan Sensor	10

c**UL**us
LISTED

IND. CONT. EQ.
25XE
UL 508
UL 2043

FEATURES
- Time Delay Up to 60 sec
- Plenum Rated Probe & Wire
- Micro pan sensor
- Water detection LED light
- Bonus Secondary Sensor
- Adjustable mounting clips
- Can be mounted with double sided tape or adjustable mounting clips
- UL 508

APPLICATION • The AquaGuard AG-3180E micro-electronic condensate sensor is mounted directly in the primary drain pan.
The bonus secondary sensor features water detection LED and easily installs in the metal or plastic secondary drain pan. Both sensors continuously monitor any condensate overflow in the primary and secondary drain pans and automatically shut off the system and activate an alarm if any overflow is detected.
• Ideal for commercial package units, metal/plastic secondary drain pans & primary pan with time delay • Meets International Building Codes & Primary Pan Code Requirements • 6 Feet of Both Plenum Rated Probe and Sensor Wire • 5 Amp, 24 VAC Solid State Sensor • Switch Can Be Normally Open or Normally Closed • Normally Open Wire for Optional External Alarm, Digital Controller or Energy Management Systems

US Patent 8,578,770

AG-4200E — Electronic Condensate Management System

Code	Description	Qty.
96143	Primary Pan Sensor	1

c(UL)us LISTED
IND. CONT. EQ.
25XE
UL 508

FEATURES
- Either normally open or normally closed
- 5 amp, 24 volts AC solid state sensor with water detection LED light
- Adjustable height mount
- 6 feet of control wire
- UL 508

APPLICATION • Multipurpose Condensate Overflow Sensor that combines the proven water sensing technology of the AG-1250E with our industry leading Goliath and Titan drain pan line to deliver the ultimate condensate management system.
The AG-4200E is the complete condensate management system for Goliath, Goliath Furnace, Goliath Value Series and Titan Drain Pans
• 24 VAC, 5 Amp • 6' of Standard Control Wire • Compact Waterproof Design • Includes Vibration Isolators

US Patent 8,578,770; 8,317,169

AG-4200M — Magnetic Condensate Management System

Code	Description	Qty.
96142	Primary Pan Sensor	1

c(UL)us LISTED
IND. CONT. EQ.
25XE
UL 508

FEATURES
- Easy, Drill-Free Installation
- Pull Up Test Knob
- Water detection LED light
- Protective Cover
- UL 508

APPLICATION • Multipurpose condensate overflow sensor that combines the incredibily easy to install AG-1100+ with our industry leading Goliath and Titan drain pan line to deliver the ultimate condensate management system. It can be mounted to the drain pan in 10 seconds or less. Installation does not require any pre-drilling for screws. The AG-1100+ incorporates a protective cover to keep out insulation and debris that could prevent the float from rising. The AG-4200M is the complete condensate management system for Goliath, Goliath Furnace, Goliath Value series and Titan Drain pans.
• 3/4" PVC threaded male pipe adapter • Normally Open 3rd Wire for Optional External Alarm, Digital Controller, or Energy Management System • Residential and Commercial • High Capacity 5 Amp, 24Volt AC Magnetic Float Switch • Includes Vibration Isolators

US Patent 8,578,770; 8,317,169

AG-4250E — Primary and Secondary Pan Condensate Sensor

Code	Description	Qty.
96148	Condensate Management System	1

UL LISTED
IND. CONT. EQ.
25XE
UL 508

FEATURES
- Two sensors
- Time delay up to 60 sec
- Smart sensor technology
- 1/4 inch trigger depth
- Water detection LED light
- Wire for alarm
- Either normally open or normally closed
- UL 508

APPLICATION • We've combined the proven water sensing technology of the AG-3150E with our industry leading drain pans to deliver the ultimate condensate management system. Providing the security of TWO sensors and the durability of our drain pans. The AG-4250E is the complete condensate management system for Goliath, Goliath Furnace, Goliath Value, and Titan Flexible Series Secondary Drain Pans.
• 2 Sensors - Primary and Secondary Pans • 24 VAC, 5 Amp • Smart Sensor Technology (Patent Pending) • 6' of Standard Control Wire • Compact Waterproof Design • Includes Vibration Isolators

US Patent 8,578,770; 8,317,169

AG-9100 — External Audible and Visual Remote Alarm

Code	Description	Qty.
96180	Ext. Audio/Visual Alarm	10

FEATURES
- No battery required
- Bright white LED alarm
- 103db Audible Alert
- 12 Inches of Lead Wire
- 12-24 VAC / 6-32 VDC circuit
- Audio silence switch

APPLICATION • The ONLY multipurpose remote alarm approved for use with AquaGuard condensate management systems. The AG-9100 Audible & Visual Remote Alarm is connected directly to AquaGuard Condensate Management System. When activated, the AG-9100 produces an audible and visual signal. Can be Conveniently Mounted to a Wall, Ceiling, or Directly to a Hot Water Tank or HVAC/R Unit with Two Screws or Included Adhesive Pad Over 250 Feet Away from a Condensate Overflow Switch
For Use With • AG-1100+ • AG-1200+ • AG-1250E • AG-2550E • AG-3150E • AG-3175E • AG-3180E • AG-4200

AG-9150E — Multipurpose Water Sensor & Alarm

Code	Description	Qty.
96190	Multipurpose Water Sensor & Alarm	10

FEATURES
- Versatile Mounting Options
- Water detection LED
- 6 Feet of Control Wire
- Up to 250 Ft. away from condensate switch
- AG-1250E is UL 508

APPLICATION • The AquaGuard AG-9150E is the ultimate condensate management system for any residential or commercial application. The AG-9150E features our award winning AG-1250E Multipurpose Water Sensor combined with our AG-9100 External Audible and Visual Remote Alarm. For metal or plastic secondary pan, floors, walls and basement installations. • External Audible & Visual Remote Alarm with Five Bright White LED Lights • 103 Decibel Audible Alert that can be mounted over 250 Feet Away • 5 Amp, 24 Volts AC Solid State Sensor • Switch Can Be Normally Open or Normally Closed with Automatic Reset • Compact Waterproof Design

US Patent 8,578,770

AG-9300 — Electronic Condensate Drain Sensors

Code	Description	Qty.
96192	Universal Drain Sensor for Ductless Mini-Split Systems	10
96194	Drain Sensor for Mitsubishi Ductless Mini-Split Systems	10
96196	Drain Sensor for LG Ductless Mini-Split Systems	10

96192
c (UL) us
LISTED
IND. CONT. EQ.
75MF
UL 508

96194
96196
c RU us

FEATURES
- Quick and Easy Installation
- Low Battery Audible Alert
- Meets International Building Codes
- UL 508

APPLICATION • Each system continuously monitors any condensate overflow in the primary drain pan of any ductless mini-split system, and automatically shuts off the system and activates an alarm if any overflow is detected. • Universal Model is Compatible with All Major Manufacturer's Ductless Mini-Split Systems Currently on the Market • Additional Models Available with Exclusive Wire Harness Connectors for Mitsubishi, and LG • Long Life Lithium Battery Included (Lasts Up To the Life of the Ductless Mini-Split Unit) • Up to 20 Second Make/Break Delay with Automatic Reset

US Patent 9,038,405

Goliath®

Secondary Drain Pans

		Outer (Max) Dimension			Inside (Drip Area) Dimension		
Code	Pan Size	Length	Width	Depth	Length	Width	Depth
96200	26x56"	56.625"	26.5"	2.75"	51.0"	19.5"	2.0"
96202	28x57"	57.25"	28.375"	5.25"	51.75"	21.5"	2.0"
96204	28x69"	69.125"	28.25"	4.25"	66.5"	26.0"	2.0"
96206	30x50"	50.50"	30.25"	4.00"	45.25"	22.75"	2.1"
96208	30x62"	63.00"	30.375"	4.25"	56.875"	22.75"	2.1"
96210	30x66"	66.50"	30.25"	4.00"	64.00"	22.75"	2.1"

FEATURES
- Hangable
- Extreme temperature durability
- High tensile strength
- Crack/split/leak/rust resistant
- Self extinguishing

APPLICATION • Goliath Series Secondary Drain Pans are the strongest, most rugged HVAC secondary drain pans on the market today • Made With Pride from our own patented blend of advanced polymer DexElar® material, Goliath Series Secondary Drain Pans are engineered with superior one piece structural strength to produce a nearly indestructible drain pan with rolled edges and no seams • Each pan is strong enough to hang using only one pair of steel support struts, ensuring a quick-and-easy professional installation

• Features a network of built-in risers, which are compatible with a wide variety of sizes of HVAC units and eliminate the need to shop around for additional risers or mounting blocks. Some Goliath pans have lower risers when space is restricted • Risers run the length of pan for better strength when hanging • Each pan has specially designed indentations for placement of hanging brackets

• Goliath Series Secondary Drain Pans are compatible with our AG-4200 Condensate Management System water sensor and drain adapter as well as AG-GFR Vibration Isolators to quiet any noisy HVAC unit.

US Patent 7,900,795

All pans meet or exceed all international building codes and come with a 10 Year Limited Warranty.

Goliath®   Value Series Secondary Drain Pans

Code	Pan Size	Outer (Max) Dimension			Inside (Drip Area) Dimension		
		Length	Width	Depth	Length	Width	Depth
96214	30x50"	50.50"	30.25"	4.00"	45.25"	22.75"	2.1"
96216	30x62"	63.00"	30.375"	4.25"	56.875"	22.75"	2.1"
96218	30x66"	66.50"	30.25"	4.00"	64.00"	22.75"	2.1"

FEATURES
- Extreme temperature durability
- High tensile strength
- Crack/split/leak/rust resistant
- Self extinguishing

APPLICATION • Goliath Value Series Secondary Drain Pans are the affordable solution for fixed placement, solid surface applications when hanging a secondary drain pan and HVAC unit is not necessary. They are Made with Pride from our patented advanced polymer DexElar® material and feature a network of built-in risers, which are compatible with a wide variety of sizes of HVAC units • Superior strength, durability and versatility when compared to other HVAC secondary drain pans made of traditional ABS plastics. • Will not crack, split, or rust like a metal secondary drain pan • Can support 40% more weight than a traditional ABS plastic pan • Extreme temperature durability -20°F (-28°C) to 260°F (126.7°C) with a higher melting point and self extinguishing characteristics not found in competitors' secondary drain pans • DexElar® material is a safer material of choice than ABS plastic • Are compatible with our AG-4200 Condensate Management System water sensor and drain adapter as well as AG-GFR Vibration Isolators to quiet any noisy HVAC unit.

US Patent 7,900,795

Goliath Value Series Non-Hangable Secondary Drain Pans are to be used only for fixed placement HVAC installations and must be supported by a solid surface and are not to be hung in any application.

All pans meet or exceed all international building codes and come with a 5 Year Limited Warranty.

Goliath & Titan Series are made of DexElar® advanced polymer.

Titan™ | Secondary Drain Pans Flexible Series

Code	Pan Size	Outer (Max) Dimension			Inside (Drip Area) Dimension		
		Length	Width	Depth	Length	Width	Depth
96230	24x24"	24.00"	24.00"	2.25"	20.00"	20.50"	2.25"
96232	26x26"	26.00"	26.00"	2.25"	22.00"	22.50"	2.25"
96234	30x30"	30.00"	30.00"	2.25"	26.00"	26.50"	2.25"
96236	32x32"	32.00"	32.00"	2.25"	28.00"	28.50"	2.25"
96238	30x50"	50.50"	30.25"	2.50"	45.00"	22.75"	2.50"
96240	30x62"	63.00"	30.375"	2.50"	56.875"	22.75"	2.50"

FEATURES
- Extreme temperature durability
- High tensile strength
- Crack/split/leak/rust resistant
- Self extinguishing

APPLICATION • Used when space requirements are tight, the Titan Flexible Series Secondary Drain Pans are more flexible and durable than fabricated metal or plastic pans
• Created from our patented blend of advanced polymer DexElar® material will not rust, crack, split or leak like a traditional fabricated metal secondary drain pan. DexElar® material provides extreme temperature durability (-40°F to 260°F), high tensile strength and is self extinguishing • Titan pans are manufactured with rolled edges and no seams for superior one-piece structural strength and flexibility • They are also specifically designed and engineered to be completely compatible with our Goliath Furnace Series Furnace Risers to create a complete and professional HVAC installation • Made with Pride, Titan Flexible Series Secondary Drain Pans are compatible with our AG-4200 Condensate Management System water sensor and drain adapter.

* Hangable when properly configured with approved steel supports and pressure treated 4" x 4"s.

All Titan Flexible Series Secondary Drain Pans meet or exceed all international building codes and come with a 3 Year Limited Warranty.

Goliath® Furnace

Secondary Drain Pans Furnace Series

Code	Pan Size	Outer (Max) Dimension			Inside (Drip Area) Dimension		
		Length	Width	Depth	Length	Width	Depth
96220*	30x36"	37.50"	30.50"	3.00"	30.75"	23.00"	2.375"
96222	34x64"	64.125"	34.125"	7.50"	59.00"	26.75"	2.1"
96224	34x79"	79.00"	33.75"	7.50"	73.50"	26.50"	2.1"

FEATURES
- Extreme temperature durability
- High tensile strength
- Crack/split/leak/rust resistant
- Self extinguishing

APPLICATION • Goliath Furnace Series Secondary Drain Pans offer all the same benefits and features of our Goliath Series Secondary Drain Pans and are specifically designed for the unique clearance needs of furnace installations and piping requirements • With 7" of clearance, Goliath Furnace pans offer the necessary clearances for any piping that needs to run below a furnace unit – especially with condensing furnace installations. • Made with Pride from our own patented blend of advanced polymer DexElar® material. They are engineered with superior one-piece structural strength to produce a nearly indestructible furnace pan with rolled edges and no seams. Each pan provides extreme temperature durability (-40°F to 260°F), high tensile strength, crack/split/leak/rust resistance, and are self extinguishing. • Goliath Furnace Series Secondary Drain Pans are compatible with our AG-4200 Condensate Management System water sensor and drain adapter as well as 10 AG-GFR Vibration Isolators to quiet the operation of any noisy furnace unit.

The Goliath Furnace 30" x 36" x 3.00" pan is designed exclusively for vertical, up flow applications.

All pans meet or exceed all international building codes and come with a 10 Year Limited Warranty.

DexElar® Goliath & Titan Series are made of DexElar® advanced polymer.

Goliath® Furnace | Riser Kits

		Outer (Max) Dimension		
Code	Model	Length	Width	Height
96254	GFR 28x6	28.50"	7.50"	6.00"
96250	GFR 23x4	22.50"	5.75"	3.625"
96252	GFR 23x7	22.50"	5.75"	6.50"

FEATURES
• Constructed of DexElar®, the same durable material as Goliath and Titan HVAC secondary drain pans.
• Will not rust or crack and provide 10x the strength as metal risers.
• Compatible with our Titan secondary drain pans, metal pans or can be used as a standalone.
• Available vibration isolators quiet noisy furnace units.

APPLICATION • Goliath Furnace Risers (GFR) are the perfect solution for any furnace installation. GFRs raise furnaces providing the necessary clearance to accommodate piping and p-traps. Available in three sizes, GFR 28x6, GFR 23x4 and GFR 23x7 to accommodate a variety of furnace installation needs. Installation is quick and easy, the GFRs are made to fit either lengthwise or width wise in our Titan pans or fabricated metal pans. DexElar® material is 10X stronger than competing metal risers.

US Patent 8,220,768

All Goliath Furnace Risers meet or exceed all international building codes and come with a 3 Year Limited Warranty.

Goliath & Titan Series are made of DexElar® advanced polymer.

Actabs™ — Drain line biocide

Code	Description	Qty.
68102	EE - 3 tab pouch	50
68108	6 tablet pouch	72
68104	JR - 200 tab bottle	12
68107	DMSS - 200 tab bottle	12

Actabs™ EE	Systems from 1 to 5 tons	EPA Reg. no. 51219-7
Actabs™	Systems from 6 to 15 tons	EPA Reg. no. 51219-7
Actabs™ JR	All systems monthly application	EPA Reg. no. 51219-7
Actabs™ DMSS	Ductless Mini-Split Systems	EPA Reg. no. 51219-7

APPLICATION • EPA registered biocide eliminates or prevents most blockages in air conditioning and refrigeration drain lines due to build up of bacterial slime, rust, scale, sludge, airborne dust, silt and other solids • Lasts up to 3 months. Recommended for • Drain pan • Computer rooms • Ductless Mini-Split Systems

Hydrex™ A/C Tabs — A/C drain pan & drain line treatment

Code	Description	Qty.
68115	200 tablet bottle	12

FEATURES
• Easily dispensed
• Long lasting

APPLICATION • Prevents drain line and pan blockage in air conditioners, humidifiers and refrigerators due to build up of sludge and slime • 2 tablets per one ton of air conditioning controls odor and sludge for up to 3 months Recommended for • Drain pan

Easy Klear™ — Clean-out valve

Code	Description	Qty.
97585	¾" line	12

FEATURES
• Easy upstream or downstream access to drain line

APPLICATION • Three-way clean-out valve for A/C and refrigeration condensate drain lines • Removable cap allows access for shop-vac cleaning • ¼" opening allows access to blow out clogs using CO_2 or nitrogen charges. Recommended for • Condensate drain line

Nu Line® — A/C condensate drain cleaner

Code	Description	Qty.
97685	8 oz.	24
97690	32 oz.	12

FEATURES
• Easily dispensed
• Long lasting
• Enzyme based
• Environmentally friendly

APPLICATION • Helps prevent A/C drain line clogs and water leaks by preventing accumulation of slime and keeping drain lines open • Use every three months to help prevent mold growth Recommended for • Drain line • Drain pan

Mighty Pump™

Quickly & completely clear blockage

Code	Description	Qty.
97795	Mighty Pump™	4
97796	Replacement Hoses 2 per bag	6

FEATURES
- No nitrogen tank or gas cartridges needed
- 2-way flow w/o backflow
- Lightweight, heavy-duty molded PVC
- Easy clean up
- High volume, low pressure

APPLICATION • Hand-operated pump that can be used to vacuum or push-out a clogged drain line from inside or outside the home or building • Generates enough pressure to clear slime, mold and dirt plugs
Recommended for
• Drain Line • A/C condensate pans
• Secondary overflow pans
• Water heater pans • Tubs & toilets
Includes • Pump body • Flexible hoses • Spring check valves
• ¾" adapter • Spare O-rings