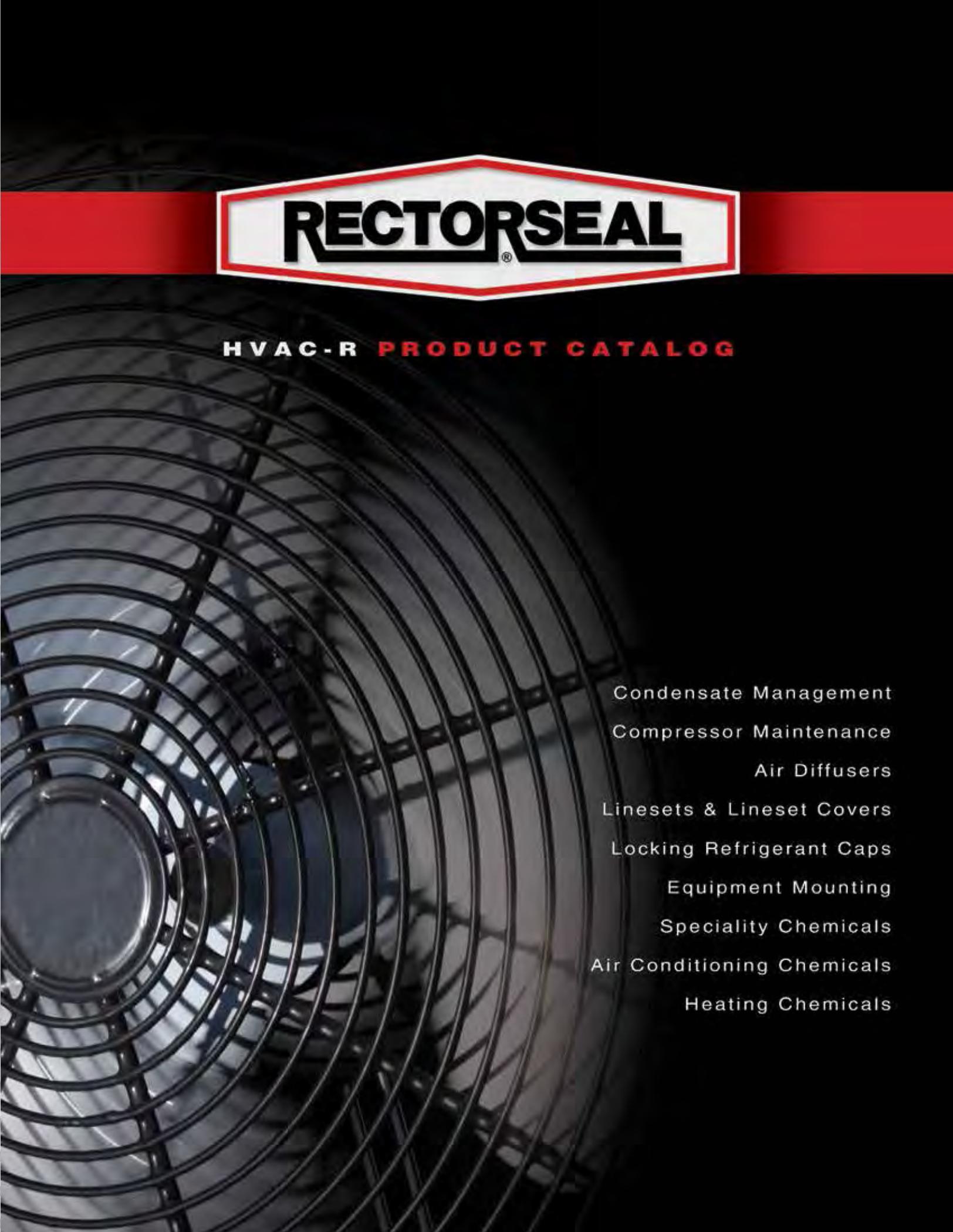




RECTORSEAL[®]

HVAC-R PRODUCT CATALOG



Condensate Management
Compressor Maintenance
Air Diffusers
Linesets & Lineset Covers
Locking Refrigerant Caps
Equipment Mounting
Speciality Chemicals
Air Conditioning Chemicals
Heating Chemicals

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Condensate Management

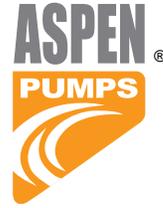
- Aspen® Pumps •
- Mighty Bracket™ •
- Drain Hoses •
- Safe-T-Switch® •
- EZ Trap® •
- AquaGuard® •
- Condensate Pans and Risers •
- Drain Line Cleaners •
- Mighty Pump™ •





MINI-SPLIT PUMP KITS

Selecting the correct Aspen pump model for your mini-split installation.



Six pump styles

1. Aqua
2. Orange
3. Lime
4. White
5. Peristaltic
6. microV

Four considerations

1. Appearance

A concealed (Aqua or microV) or remote condensate pump (Orange or Peristaltic) 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.

2. Quiet Operation

Choose a remote pump (Orange or Peristaltic) installation for the quietest operation in noise sensitive areas. Silent Plus models are also available. They run quieter and are designated by SP suffix.

3. Ease of Installation

Aspen pump models can accommodate any installation. See the guide and chart (at right) for options.

4. 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).

Multiple Benefits

- Quick and easy to install
- Fit any mini-split, up to 60,000 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
- 12 month limited warranty

Peristaltic pumps offer three major **benefits for mini-split applications.**

- 1. The ability to run both wet and dry**, enables intermittent operation with a reservoir and float switch or continuous with the evaporator.
- 2. The capability to pump contaminants** washed from the evaporator coil during condensate production.
- 3. A High level of suction** enables remote mounting up to 40 feet away from the evaporator.

Minipumps always consists of two elements:

- 1. Pump body** - Includes an electronic PCB and the pump motor.
- 2. Reservoir** - Contains the filter and the switching mechanism to activate the pump. This must always be kept level and clean for proper operation of the float switch. The filter must be cleaned regularly.

Minipumps are available in 3 styles:

- 1. Split type** - (Orange, Aqua or microV series) are designed with separate pump and reservoir. 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.
- 2. Monobloc type** - (Lime or White series) are designed with both the pump and reservoir as one integral unit, sharing a common body. No connecting tubes or wires are needed.

Minipumps are not designed to run dry as they are both 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.

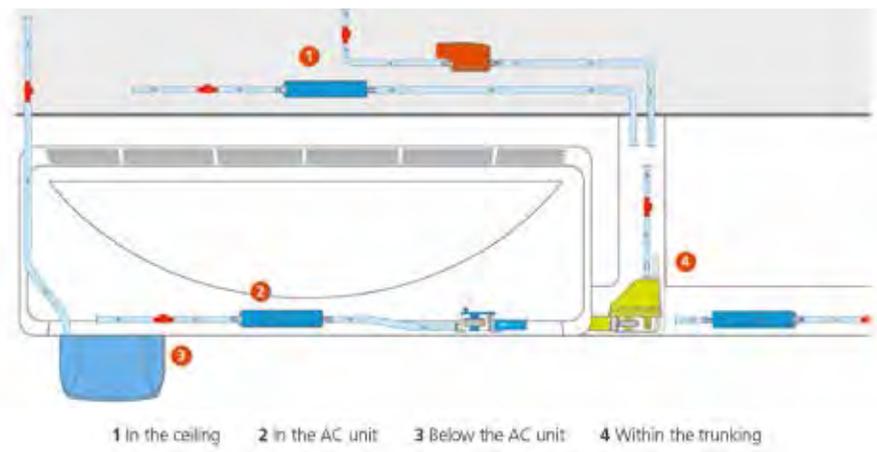
ASPEN® is a registered trademark of Aspen Oldco Limited Company UK

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

Pump Selector Guide

	83809 (ASP-MA-UNI)	83811 (ASP-MA-115-SP)	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)	83851 (ASP-ML-115-SP)	83852 (ASP-ML-230-SP)	83881 (ASP-MLF-230-SP)	83830 (ASP-MAXLF-115)	83831 (ASP-MAXLF-230)	83834 (ASP-MAXOEM-115)	83835 (ASP-MAXOEM-230)	83869 (ASP-MLOEM-UNI)	83939 (ASP-MW-UNI)	83965 (ASP-PERF-UNI-115)	83966 (ASP-PERF-UNI-230)	83949 (ASP-MV-UNI)	
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.



1 In the ceiling 2 In the AC unit 3 Below the AC unit 4 Within the trunking

Type 1 Installation

For optimum quietness, the solution is a remote mounted pump.
PERISTALTIC, **AQUA**, **ORANGE** and **microV**

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 mounts at rear of evaporator, below the drain pan.
microV - Both pump and reservoir mounts at rear 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 at rear of evaporator, below the drain pan.

Type 4 Installation - side entry lineset

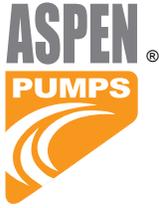
Lineset enters the evaporator from either side, turns 90 degrees up into the ceiling and is completely concealed by lineset cover (included in kit).
LIME - Pump assembly mounts outside the evaporator, behind easy to remove elbow cover. Transparent reservoir clips off pump for easy filter access.



MINI-SPLIT PUMP KITS

Continued

Aqua Series



Ultra-slim profile, fits inside evaporator or lineset cover

Code	Universal Voltage Kits	Power Supply	Power Consumption	Ctn. Wt.	Qty.
83809	(ASP-MA-UNI)	100-250 VAC	.07-.13A 16W	2	1
Silent Plus Kits					
83811	(ASP-MA-115-SP)	115 VAC	.13A 16W	2	1
83812	(ASP-MA-230-SP)	230 VAC	.07A 16W	2	1



FEATURES

- Ultra-slim profile
- Self Priming
- Integral hanging loop and separate reservoir facilitates attachment in vertical applications
- 3A NO/NC dry contacts rated @ 5A inductive at 230V AC
- Fully potted electronics*

Specifications:

Duty Cycle:

50% duty cycle
5 mins on / 5 mins off

Capacity:

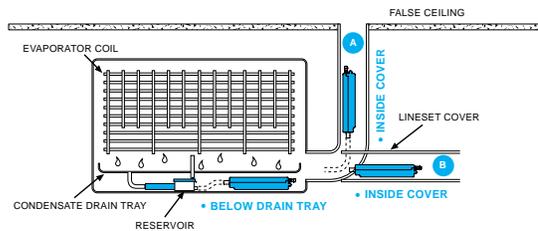
Up to 30,000 BTU/hr.
3.2 GPH @ zero head,
0.8 GPH @ 33ft head

Maximum head: 33ft

Suction lift: 5ft

Sound level: Mini - 24dB(A)
Silent Plus - 19dB(A)

TYPICAL PUMP LOCATIONS



Pump Dimensions:

L-6 1/2" x H-1 1/8" x W-1 1/8"

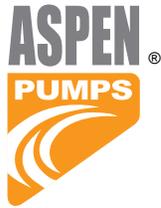


*Potting is the process of epoxy filling a complete assembly for resistance to shock, vibration, moisture, chemical and promotes sound damping.

MINI-SPLIT PUMP KITS

Continued

Orange Series



Installation flexibility, proven reliability

Code	Universal Voltage Mini Kits	Power Supply	Power Consumption	Ctn. Wt.	Qty.
83909	(ASP-MO-UNI)	100-250 VAC	.11-.18A 16W	2	1
Silent Plus Mini Kits					
83911	(ASP-MO-115-SP)	115 VAC	.18A 16W	2	1
83912	(ASP-MO-230-SP)	230 VAC	.11A 16W	2	1
Maxi Kits					
83919	(ASP-MAXO-UNI)	100-250 VAC	.15-.28A 21W	2	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 NO/NC dry contacts rated @ 5A inductive at 230V AC

Specifications:

Duty Cycle:

Mini - continuous
Maxi - 50% 5 mins on / 5 mins off

Capacity:

Mini - Up to 30,000 BTU/hr.
3.2 GPH @ zero head,
0.8 GPH @ 33ft head

Maxi - Up to 60,000 BTU/hr.
10 GPH @ zero head,
3.8 GPH @ 50ft head

Maximum head:

Mini - 33ft Maxi - 50ft

Suction lift: 5ft

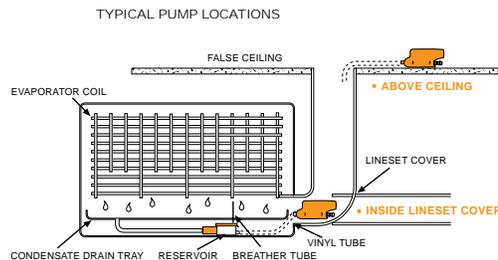
Sound level:

Mini - 26dB(A) Maxi - 35dB(A)
Silent Plus - 19dB(A)

Pump Dimensions:

Mini: L-4¹/₄" x W-1¹/₂" x H-2"

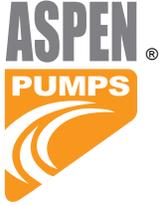
Maxi: L-4⁷/₈" x W-1³/₄" x H-2⁵/₈"



MINI-SPLIT PUMP KITS

Continued

Lime Series



Elbow design, completely reversible, duct included

Code	Universal Voltage Mini Kits	Power Supply	Power Consumption	Ctn. Wt.	Qty.
83849	(ASP-ML-UNI) Slimline Ivory	100-250 VAC	.10-.16A 16W	4	1
83859	(ASP-MLF-UNI) Fortress White	100-250 VAC	.10-.16A 16W	4	1
Silent Plus Mini Kits					
83851	(ASP-ML-115-SP) Slimline Ivory	115 VAC	.16A 13.5W	4	1
83852	(ASP-ML-230-SP) Slimline Ivory	230 VAC	.10A 15W	4	1
83861	(ASP-MLF-230-SP) Fortress White	230 VAC	.10A 15W	4	1
Maxi Kits					
83830	(ASP-MAXLF-115) Fortress White	115 VAC	.23A 18W	4	1
83831	(ASP-MAXLF-230) Fortress White	230 VAC	.10A 15W	4	1
OEM Maxi Kits					
83834	(ASP-MAXOEM-115) No Duct	115 VAC	.16A 13.5W	2	1
83835	(ASP-MAXOEM-230) No Duct	230 VAC	.10A 15W	2	1
83869	(ASP-MLOEM-UNI) No Duct	100-250 VAC	.10-.16A 16W	2	1



FEATURES

- Left or right install
- Easily accessed for filter cleaning
- Two lineset cover styles available - Slimline or Fortress
- 3A NO/NC dry contacts rated @ 5A inductive at 230V AC
- Fully potted electronics*

Specifications:

Duty Cycle:

Mini - continuous
 Maxi - 66% 10 mins on / 5 mins off

Capacity:

Mini - Up to 30,000 BTU/hr.
 3.2 GPH @ zero head,
 0.8 GPH @ 33ft head
 Maxi - Up to 60,000 BTU/hr.
 10 GPH 115v @ zero head,
 8 GPH 230v @ zero head

Maximum head:

Mini - 33ft Maxi - 49ft

Sound level:

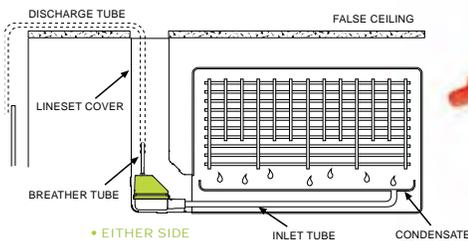
Mini - 27dB(A) Maxi - 35dB(A)
 Silent Plus - 21dB(A)

Pump Dimensions without casing:

Mini: L-3³/₄" x H-3¹/₈" x W-1⁵/₈"

Maxi: L-3³/₄" x H-3³/₈" x W-1⁵/₈"

TYPICAL PUMP LOCATIONS



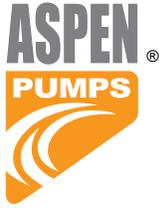
US Patent #6,817,194

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MINI-SPLIT PUMP KITS

Continued

White Series



Mounts directly below evaporator, quick installation

Code	Universal Voltage	Power Supply	Power Consumption	Ctn. Wt.	Qty.
83939	(ASP-MW-UNI)	100-250 VAC	.11-.18A 16W	2	1
Accessory					
83933	Ivory Cover			2	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 breather tube required
- 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: Continuous

Capacity:

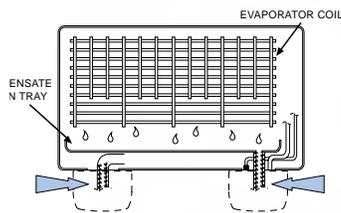
Up to 30,000 BTU/hr.
3.2 GPH @ zero head,
0.8 GPH @ 33ft head

Maximum head: 33ft

Maximum Water Temp: 104° F

Sound level: 25dB(A)

TYPICAL PUMP LOCATIONS



Pump Dimensions:
L-7 1/8" x H-4 1/2" x W-2"



MINI-SPLIT PUMP KITS

Continued

Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Linset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products

Peristaltic



Ideal for remote location applications

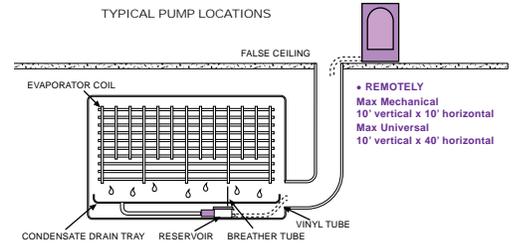
Code	Universal Sensor	Power Supply	Power Consumption	Ctn. Wt.	Qty.
83965	(ASP-PERI-UNI-115)	115 VAC	.20A 46W	6	1
83966	(ASP-PERI-UNI-230)	230 VAC	.20A 46W	6	1
Replacement Pump Head					
83892	(ASP-PERITUBE)				

FEATURES

- Quiet operation
- Reliability - low maintenance
- Filterless operation
- Quick replacement pump head
- Self priming
- 3 minute timer overrun protection
- Siphon proof
- Thermally protected pump
- Eliminates corrosion & clogging
- 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 for 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)

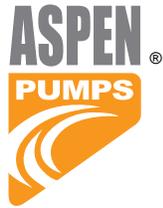


ASPEN® is a registered trademark of Aspen Oldco Limited Company UK

MINI-SPLIT PUMP KITS

Continued

microV



Ultra-slim profile, fits inside evaporator or lineset cover

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



FEATURES

- Compatible with all mini-split air conditioners brands/models
- Silent+, Univolt technology Plug and Play connection
- 3A NO/NC dry contacts rated @ 5A inductive at 230V AC
- Fully Potted*
- Self Priming

Specifications:

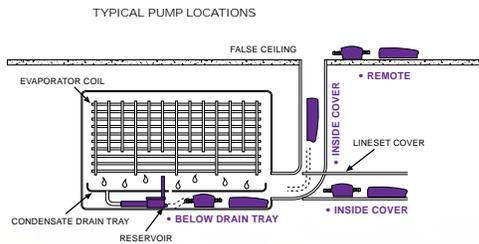
Duty Cycle:
50% duty cycle
5 mins on / 5 mins off

Capacity:
Up to 66,000 BTU/hr.
3.8 GPH @ zero head,
0.8 GPH @ 33ft head

Maximum head: 33ft

Suction lift: 6.6ft

Sound level: 21dB(A)



Mighty Bracket™

Mini-split installation support tool

Code	Description	Qty.
97705	Mini-split support tool	4

FEATURES

- Allows single person installation
- Simple clip on support
- Does not damage walls.
- Use on most brands of mini-splits

Patent Pending

Application • Hook onto mini-split mounting plate to hold unit securely in place while installing refrigerant lines, condensate line and electrical hookup.





MINI-SPLIT CONDENSATE DRAIN HOSE AND FITTINGS

HOSE STYLES

Smooth Bore
Reduces resistance and maximizes condensate flow. Resists clogging.

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

UV Resistance
Resists deterioration from Sunlight.



NON-INSULATED DRAIN HOSE		RS # (ref. #)			
Code	ID	LENGTH	CTN QTY	CTN WT	
83001 (DH-14) SMOOTH BORE	1/2 in	164 ft	1	6 lbs.	
83012 (DSH-20N) SMOOTH BORE	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.	

INSULATED DRAIN HOSE		RS # (ref. #)			
Code	ID	LENGTH	CTN QTY	CTN WT	
83011 (DSH-14) SMOOTH BORE	1/2 in	65 ft	1	7 lbs.	
83012 (DSH-20N) SMOOTH BORE	3/4 in	65 ft	1	10 lbs.	
83013 (DSH-25N) SMOOTH BORE	1 in	65 ft	1	13 lbs.	

HOSE COUPLER		RS # (ref. #)			
Code	ID	LENGTH	CTN QTY	CTN WT	
83021 (DSH14J) JOIN DSH-14	1/2 in	-	10	1 lb.	
83023 (DSH20NJ) JOIN DSH-20	3/4 in	-	10	1 lb.	
83028 (DHJ-14)	1/2 in	-	10	1 lb.	
83029 (DHJ-16)	5/8 in	-	10	1 lb.	
83031 (DSH-14C) INSULATED	-	-	10	2 lbs.	

PIPE ADAPTOR		RS # (ref. #)			
Code	ID	LENGTH	CTN QTY	CTN WT	
83020 (DH-14-16V) DSH-14 TO 3/4 PVC	3/4 in	-	10	2 lbs.	
83024 (DSH-20-NV) DSH-20 TO 3/4 PVC	3/4 in	-	10	2 lbs.	

VENTED DRAIN WYE		RS # (ref. #)			
Code	ID	LENGTH	CTN QTY	CTN WT	
83022 (DY-16)	5/8 in	-	10	1 lbs.	

*EZT-180 Mini waterless in-line trap can be found on page 19.

WALL SLEEVE		RS # (ref. #)		
Code	SIZE	CTN QTY	CTN WT	
83017 (NFP-75) WALL SLEEVE	3"x 5" - 7"	10	1 lb.	

NON-ADHESIVE WRAP		RS # (ref. #)		
Code	SIZE	CTN QTY	CTN WT	
83016 (HN-75-I) UV RESISTANT NON-ADHESIVE WRAP	3" x 70'	4	1 lb.	

INTERCONNECT CABLE		RS # (ref. #)		
Code	SIZE	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.	



SAFE-T-SWITCH® OVERFLOW SWITCHES

The most reliable switch.

Model SS1

Primary drains or auxiliary drain outlets

Code	Description	Qty.
97632	Model SS1	24



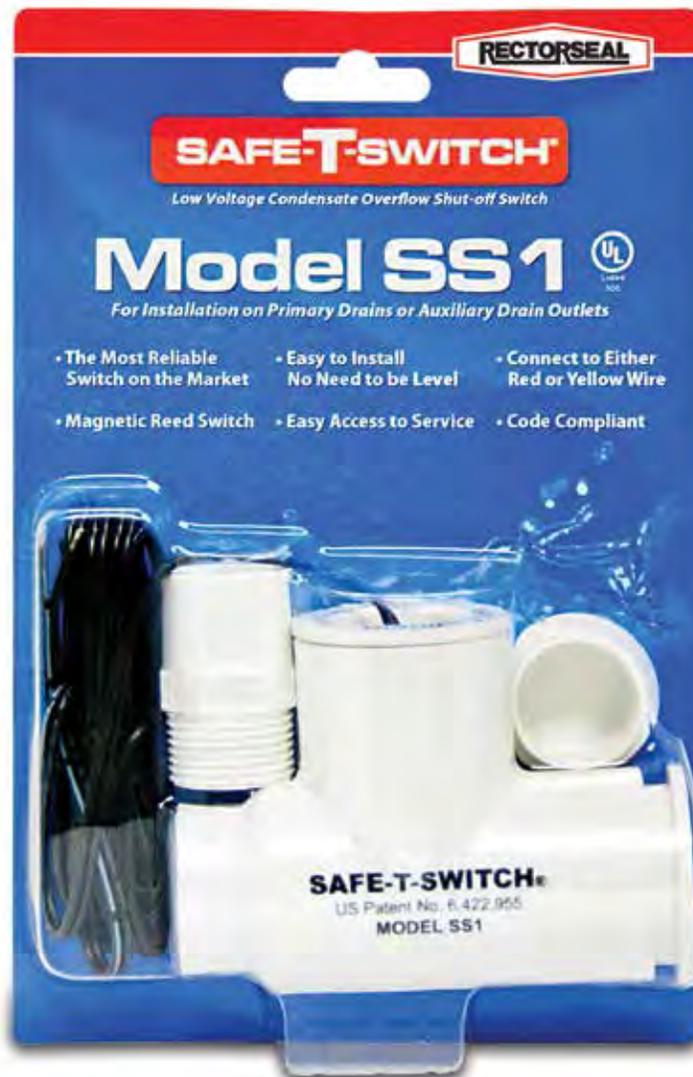
FEATURES

- Condensate overflow switch
- Magnetic reed switch
- Install vertically or horizontally
- Connect to either red or yellow wire

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 3/4" 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



SAFE-T-SWITCH® OVERFLOW SWITCHES

Continued

Model SS2

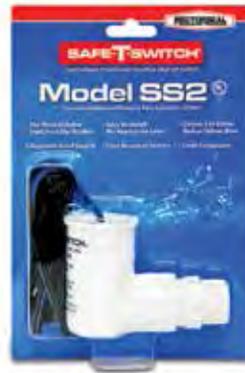
Primary pan auxiliary outlet

Code	Description	Qty.
97637	Model SS2	24



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 3/4" 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

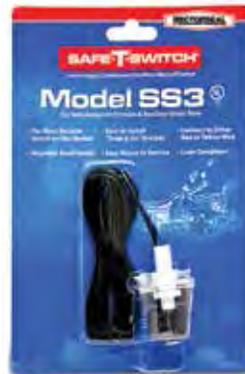
Primary & auxiliary drain pans

Code	Description	Qty.
97647	Model SS3	24



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



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 3/4" adapter to install on the auxiliary outlet of the primary drain pan

US Patent No. 6,442,955

Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Lineset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products



SAFE-T-SWITCH® ELECTRONIC SWITCHES

Condensate Management

SS 103 E

Dual sensors

Code	Description	Qty.
97692	SS 103 E	24



FEATURES

- Electronic probe sensor
- 5-wire design
- Onboard LED indicator
- 5 amp carrying capacity

Application

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



Compressor Maintenance

Air Diffusers

Linesets & Lineset Covers

Locking Refrigerant Caps

Equipment Mounting



US Patent Pending

SS 500 EP

Commercial rooftop downflow units

Code	Description	Qty.
97693	SS500 EP	24



FEATURES

- Electronic probe sensor
- 5-wire design
- Onboard LED indicator
- Plenum rated wire
- 5 amp carrying capacity

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



Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products

SAFE-T-SWITCH® ELECTRONIC SWITCHES

Continued

SS610 E Mini-Split systems

Code	Description	Qty.
97622	SS610 E	12



- FEATURES**
- Sensor connects to indoor units
 - Attaches to pan or coils with unique bracket
 - Onboard LED indicator can be mounted to side of unit
 - No batteries required
 - Univolt input 15-250 Vac 15-100 Vdc

Application • Designed for mini-split systems • For installation directly on primary drain pan or clipped to coils above primary drain pan • Multi-voltage • Can be wired in both normally open & normally closed systems



US Patent No. 8,887,392

SS700 E Directly in the secondary drain pan

Code	Description	Qty.
97695	SS700 E	24



- FEATURES**
- Multiple mounting angles
 - Works in any position
 - Universal puck works in all secondary drain pans
 - Onboard LED indicator
 - Stainless steel bracket will not rust
 - Automatically resets when water drains or is removed from secondary pan

Application • Designed to work in any position within a secondary drain pan, eliminating screws and clips

- Multiple position option for the sensor and provides adjustable height
- Great for use in plastic overflow pans with round edges



EZ TRAP®

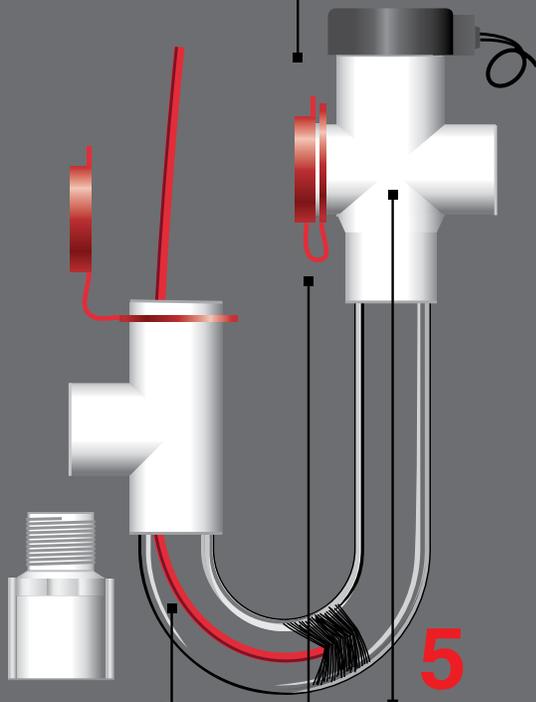
Condensate Traps & Overflow Switches

Easy Maintenance & Overflow Protection

1 SmartTrap™ (200 SERIES)

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.

EZ TRAP

(Patent No. 5,069,042)

2 Year Warranty

100
SERIES

ClearTrap™ kits

Clear cleanable trap.

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, cleaning brush, 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. #)

Size

83105 (EZT105)

3/4"



Deep cross trap kit

for fluctuating static pressure found in systems with variable speed air handlers. 10 per carton. Includes: 3/4" deep standard trap, 3/4" cross, 3/4" tee, 3/4" black stub, two 3/4" red caps, 3/4" male adaptor, cleaning brush, 3" drop.

Accessories

83406 (EZT-406)

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



83405 (EZT-405)

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



Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Lineset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products

200 SERIES

SmartTrap™ kits

Float switch overflow protection.
Clear cleanable trap.

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, 48" cable, cleaning brush, 3" drop.



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, 48" cable, cleaning brush, reducing tee, 1" drop.



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, 48" cable, cleaning brush, 1" drop.



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, 48" cable, cleaning brush, 1" drop.



220 SERIES

Overflow switches

Float switch overflow protection.

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, 48" cable.



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, 48" cable.



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, 48" cable.



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, 48" cable.



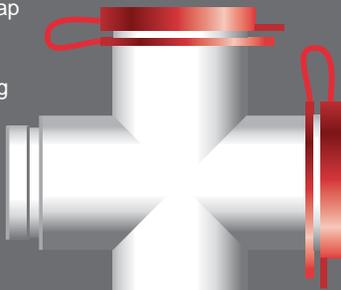
EZ TRAP®

UltraTrap™ Waterless Condensate Traps

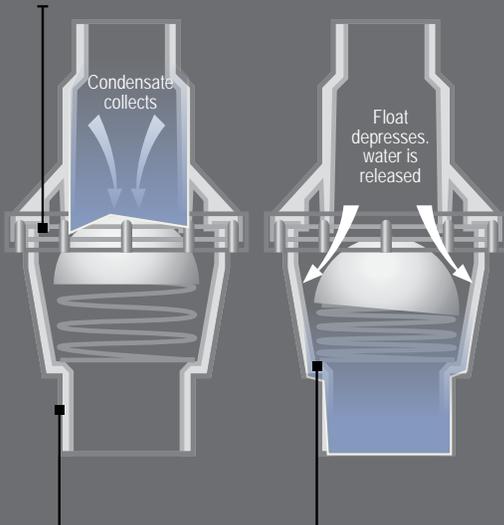
For Negative & Positive Pressure Systems Up to .5" WG, Capacity 2.7 GPM

1 UltraTrap™

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.



3 Transparent trap allows for easy cleaning and inspection.

4 Stainless steel spring.

EZ TRAP

(Patent No. 6,698,225)

2 Year Warranty

100
SERIES

Waterless kits

Waterless freeze protection.

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.

U. S. Patent No. 6,698,225

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.

600
SERIES

Combo kit

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

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, 48" cable.



Economy trap kit w/brush

Thinner walled trap for light duty applications.

Includes: 3/4" blow molded trap, 3/4" cross, 3/4" tee, three 3/4" red caps, cleaning brush, 1" drop.

Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Lineset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products



AQUAGUARD® SENSORS



AG-1100+

Magnetic Float Switch System for Metal Pans

Code	Description	Qty.
96100	Float Switch	30



FEATURES

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

US Patent
7,710,283

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, 24Volt AC Magnetic Float Switch



AG-1200+

Magnetic Float Switch System for Metal & Plastic Pans

Code	Description	Qty.
96106	Float Switch	30



FEATURES

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

US Patent
7,710,283

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



Condensate Management

Compressor Maintenance

Air Diffusers

Linsets & Linset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products

AG-1250E

Multipurpose Water Sensor

Code	Description	Qty.
96108	Water Sensor	30



FEATURES

- Switch can be normally open or normally closed
- 5 Amp, 24 Volts AC solid state sensor with water detection LED light
- NEW adjustable height mount
- 6 feet of control wire
- UL 508 Approved

US Patent
8,578,770

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 4th 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



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.



AQUAGUARD® SENSORS

Continued

AG-2550E

Inline Water Sensor

Code	Description	Qty.
96110	Inline Water Sensor	10



FEATURES

- Removable cap
- Install horizontal or vertical
- Water detection LED light
- Bonus secondary sensor
- Switch can be normally open or normally closed
- 6 feet of probe & sensor wire
- Elbow & straight coupling adapters included
- 2 Sensors for price of 1
- UL 508 Approved

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

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 4th Wire for Optional External Alarm, Digital Controller or Energy Management Systems.



AG-3125E

Primary Pan Sensor

Code	Description	Qty.
96120	Primary Pan Sensor	30
96121	Primary Pan Sensors - 3 pks	5
96122	Primary Pan Sensors- 6 pks	5



FEATURES

- Time delay
- Water detection LED
- Adhesive tape mounting
- 6 feet of wire
- UL 508 Approved

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

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.

- Controls normally closed
- Voltage rating: 24 vac, 5 amp
- LED indicator light for easy troubleshooting
- Compact waterproof design



Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Lineset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products

AG-3150E

Primary Pan Sensor

Code	Description	Qty.
96124	Primary Pan Sensor	10



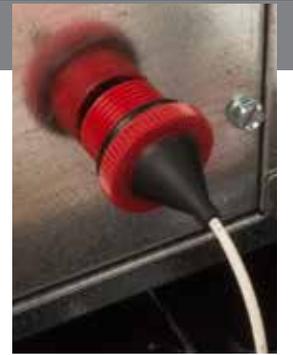
FEATURES

- Time delay
- Install horizontal or vertical
- Water detection LED light
- Bonus secondary sensor
- Compact waterproof design
- UL 508 Approved

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

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
- Switch Can Be Normally Open or Normally Closed
- Normally Open 4th Wire for Optional External Alarm, Digital Controller or Energy Management Systems



AG-3157

Probe Extension Wire

Code	Description	Qty.
96184	Probe Extension Wire	10

FEATURES

- 6 foot extension
- Quick & easy installation
- Shur plug connectors

US Patents
7,744,395

Application • The AG-3157 is a six foot extension cable for AquaGuard Condensate Management Systems • The AG-3157 is installed between the condensate water probe and the AG-3000 Series Secondary Sensor on our AquaGuard AG-3150E Condensate Management Systems



AQUAGUARD® SENSORS

Continued

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
- UL 508 Approved

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

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
- Switch can be normally open or normally closed
- Normally open 4th wire for optional external alarm, digital controller or energy management systems



AG-3177

Probe Extension Wire (Plenum Rated)

Code	Description	Qty.
96185	Probe Extension Wire	10

FEATURES

- 6 foot extension
- Quick & easy installation
- Shur plug connectors

US Patents
7,744,395

Application • The AG-3177 is a code compliant plenum rated six foot extension cable for AquaGuard Condensate Management Systems

- The AG-3177 is more resistant to flames and would produce less smoke in the event of a fire than standard electrical wiring
- The AG-3177 is installed between the condensate water probe and the AG-3000 Series Secondary Sensor on our AquaGuard AG-3175E and AG-3180E Condensate Management Systems



Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Lineset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products

AG-3176E

Primary Pan Probe (Plenum Rated)

Code	Description	Qty.
96182	Electronic Probe	10

FEATURES

- Slim micro probe
- Adhesive pad
- Two adjustable mounting clips
- Waterproof molded shur plug connector
- UL 508 Approved

US Patent
7,744,395; 8,151,580; 8,154,313; 8,56,417;
8,578,770, D527,793

Application • The AquaGuard AG-3176E is an alternative plenum rated primary pan probe for the AquaGuard AG-3150E and AG-3175E.

- The AquaGuard AG-3176E can be substituted for the secondary drain pan probe sensor on our AquaGuard AG-3150E and plenum rated AG-3175E Condensate Management Systems that are normally installed in the auxiliary drain port • Can detect as little as 1/16 inch of condensate water



AG-3180E

Micro Pan Sensor (Plenum Rated)

Code	Description	Qty.
96128	Micro Pan Sensor	10



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 Approved

US Patent
7,744,395; 8,151,580; 8,151,621; 8,154,313;
8,169,314; 8,561,417; 8,578,770

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 4th Wire for Optional External Alarm, Digital Controller or Energy Management Systems



AQUAGUARD® SENSORS

Continued

AG-4200E

Electronic Condensate Management System

Code	Description	Qty.
96143	Primary Pan Sensor	1



FEATURES

- Switch can be 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 approved

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

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 • Controls Normally Open or Normally Closed • 6' of Standard Control Wire • Compact Waterproof Design • Includes Vibration Isolators



AG-4200M

Magnetic Condensate Management System

Code	Description	Qty.
96142	Primary Pan Sensor	1



FEATURES

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

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

Application • Multipurpose condensate overflow sensor that combines the incredibly 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



Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Lineset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products

AG-4250E

Primary and Secondary Pan Condensate Sensor

Code	Description	Qty.
96148	Condensate Management System	1



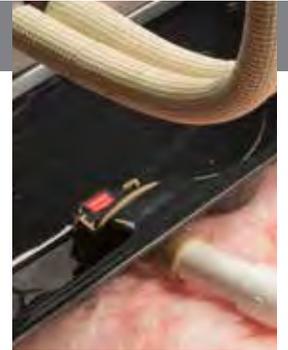
FEATURES

- Two sensors
- Time delay up to 60 sec
- Smart sensor technology
- 1/4 inch trigger depth
- Water detection LED light
- 4th wire for alarm
- UL 508 Approved

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

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) • Controls Normally Open or Normally Closed • 6' of Standard Control Wire • Compact Waterproof Design • Includes Vibration Isolators



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 lights
- 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-3575E • AG-4200



AQUAGUARD® SENSORS

Continued

AG-9150E

Multipurpose Water Sensor & Alarm

Code	Description	Qty.
96190	Multipurpose Water Sensor & Alarm	10

FEATURES

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

US Patent
8,578,770

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



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
96198	Drain Sensor for Comfort Star Ductless Mini-Split Systems	10



FEATURES

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

Patent Pending

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, LG and CS
- 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



Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Lineset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products



CONDENSATE PANS AND RISERS



Goliath®

Secondary Drain Pans

Code	Pan Size	Outer (Max) Dimension			Inside (Drip Area) Dimension		
		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"	45.00"	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

US Patent
7,878,019; 7,900,795; D562,963



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 • DexElar® material is UL-94 5VA and ASTM E-84-05 rated • 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.

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



CONDENSATE PANS AND RISERS

Continued



Secondary Drain Pans Value Series

Code	Pan Size	Outer (Max) Dimension			Inside (Drip Area) Dimension		
		Length	Width	Depth	Length	Width	Depth
96214	30x50"	56.625"	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"	69.50"	30.25"	4.00"	64.00"	22.75"	2.1"

FEATURES

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

US Patent
7,878,019; 7,900,795; D562,963

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 UL-94 5VA and ASTM E-84-05 rated 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.



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.



Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Lineset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products

CONDENSATE PANS AND RISERS

Continued



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

US Patent
7,878,019



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 is UL-94 5VA and ASTM E-84-05 rated and 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.



CONDENSATE PANS AND RISERS

Continued



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

US Patent
7,637,387; 7,673,646; 7,878,019; D562,963

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. DexElar® material is UL-94 5VA and ASTM E-84-05 rated
- 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.



CONDENSATE PANS AND RISERS

Continued



Goliath[®]
FURNACE RISERS

Furnace Riser Kits

Code	Model	Outer (Max) Dimension		
		Length	Width	Depth
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.

US Patent
8,220,768

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 UL-94 5VA and ASTM E-84 Class C compliant and 10X stronger than competing metal risers.



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



Goliath/Titan series made from DexElar® advanced polymer

Goliath and Titan series use the patented DexElar advanced polymer process which delivers outstanding rigidity and stability. DexElar's unique qualities allow it to be formulated for a wide variety of applications, which can improve the performance of products we use every day. This innovative and propriety material provides the product engineers and designers with the versatility to substitute traditional materials and recreate a variety of HVAC/R products in an entirely new way. Compared to metal secondary drain pans, our pans will not crack, split, leak or rust.

All of our Goliath, Goliath Furnace and Goliath Furnace Risers, Titan Flexible Series, and Goliath Value Series Secondary Drain Pans are Made with Pride and created with our exclusive DexElar advanced polymer material, which is a superior material of choice compared to our competition, which uses general-purpose Acrylonitrile Butadiene Styrene or ABS Plastic.

Extreme Temperature Durability

DexElar is resilient enough to withstand extreme conditions between -20°F (-28.9°C) to 260°F (126.7°C) which makes it ideal for attic and rooftop installations.

Flame Retardant

With a high melting point and self-extinguishing characteristics, DexElar is a safer and more reliable material of choice than traditional HVAC/R product materials such as polypropylene or ABS plastics.

High Load Bearing & Tensile Strength

DexElar is an extreme load bearer that provides high tensile strength with a tensile yield strength of 8,900 pounds per square inch (psi).

High Impact Resistance

DexElar has over 200 times the impact strength of normal glass and has 30 times the impact strength of Acrylic.



MADE FROM



	ABS Plastic	DexElar®
Temperature Range	-4°F to 176°F	-20°F to 260°F
Heat Distortion Temperature	199°F to 211°F	290°F to 310°F
Flexural Strength (PSI)	9,300	13,500
Tensile Strength (PSI)	5,300	8,900
Load Support (PSI)	Up to 35lbs	Over 500lbs
Flame Rating	Not Rated	UL 94-5VA/ASTM E-84 Class C

DexElar material has been individually tested and approved by UL (Underwriters Laboratories of the USA) for UL 94-5VA compliance, and ASTM International, formerly known as the American Society for Testing and Materials (ASTM) for ASTM E84 Class C Fire Rating compliance for Interior Wall and Ceiling Finishes. For additional resources, please visit www.ul.com or www.astm.org. For a complete list reference www.rectorseal.com.

CONDENSATE DRAIN LINE CLEANERS

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



Compressor Maintenance

Air Diffusers

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



Linesets & Linset Covers

Locking Refrigerant Caps

Actabs™

Drain line biocide

Code	Description	Qty.
68102	EE - 3 tab pouch	50
68108	6 tablet pouch	72
68106	XX - 12 tab pouch	12
68104	JR - 200 tab bottle	12
68107	DMSS - 200 tab bottle	12

Actabs™ EE	Systems from 1 to 5 tons	EPA Reg. no. 51219-4
Actabs™	Systems from 6 to 15 tons	EPA Reg. no. 51219-3
Actabs™ XX	Systems from 16 tons and more	EPA Reg. no. 51219-4
Actabs™ JR	All systems monthly application	EPA Reg. no. 51219-1
Actabs™ DMSS	Ductless Mini-Split Systems	EPA Reg. no. 51219-1

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



Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

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 CO₂ or nitrogen charges

Recommended for

- Condensate drain line



Heating Chemicals

Other-Related Products

VACUUM OR PUSH-OUT CLOG IN CONDENSATE DRAIN LINES

Mighty Pump™

Quickly & completely clear blockage

Code	Description	Qty.
97795	Mighty Pump™	4

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 & 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
• 3/4" adapter • Spare O-rings



Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Lineset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products

Compressor Maintenance

Kickstart® •

Acid-Away® •

Acid-Away® for POE •

Acid-Detector™ •

Acid-Detector™ for POE •

Oil-ID™ •

Turbo-Kleen™ •





KICKSTART® ORIGINAL 2-WIRE HARD START DEVICE

The only OEM tested & approved device.

Kickstart®

Potential relay & start capacitor

Code	Description	Qty.
96506	KS-1	20
96503	TO-5	20



FEATURES

- 2-wire design for easy installation
- 3-year warranty
- Extend the life of compressors
- OEM tested & approved

Application • 2-wired starting device that uses a mechanical potential relay & start capacitor • Assists compressors in starting under very adverse conditions such as low voltage or high head pressures, extending the life of compressors by providing the correct torque to bring them up to full speed more quickly and efficiently

Recommended for • Single phase 208V, 230V, and 265V A/C, refrigeration and heat pump compressors

- KS-1 handles 3.5 - 5.0 ton
- TO-5 handles 1.0 - 3.0 ton



Condensate Management

Compressor Maintenance

Air Diffusers

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Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products



ACID-AWAY® COMPRESSOR ACID NEUTRALIZER

Recommended by Compressor Manufacturers and Proven to Neutralize Acid After Burnouts.

Condensate Management

Compressor Maintenance

Air Diffusers

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Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products

Acid-Away®

Compressor burnout acid neutralizer

Code	Description	Qty.
45004	4 oz.	12

FEATURES

- Stays active in the system to prevent any future acid
- Great for preventive maintenance
- Safe for system components
- Tested to ANSI/ASHRAE standards 86-1983 & 97-1989
- Approved & recommended by OEM's
- More effective than claimed neutralizers or scavengers

Application • Chemical treatment for A/C and refrigeration systems that have experienced a burnout or operating systems that are showing a buildup in acid content • Protects from future burnouts • Neutralizes acid molecules, unlike other products which merely coagulate to be caught in the filter drier

Recommended for • Specifically formulated for both hermetic or semi-hermetic compressors that operate with standard CFC or HCFC refrigerants using mineral oil or alkybenzene type refrigeration oils



Acid-Away® for POE

Acid neutralizer for POE oils

Code	Description	Qty.
45009	4 oz.	12

FEATURES

- Removes residual acid
- Compatible with Polyol Ester lubricants
- Great for preventative maintenance
- Tested to ANSI/ASHRAE standards 86-1983 & 97-1989
- Approved & recommended by OEM's

Application • Prevents compressor burnouts by removing the acid buildup that can occur in Polyol Ester refrigeration oils used in A/C and refrigeration systems • Neutralizes acid molecules, unlike other products which merely coagulate to be caught in the filter drier

Recommended for • Specifically formulated for both hermetic or semi-hermetic compressors that operate with Polyol Ester oils & is safe for use in all oils





ACID-DETECTOR™ & OIL-ID™ Field Test Kits to Detect Acid & Determine Oil Types.

Acid-Detector™

Test kit

Code	Description	Qty.
45002	Kit	12

- FEATURES**
- Fast acting

Application • Test kit designed for use in the field to detect acid in air conditioning and refrigeration oils

- Quickly detects the smallest trace of acids

Recommended for

- Mineral Oil
- Alkylbenzene type refrigeration oil



Acid-Detector™ for POE

Test kit for POE oils

Code	Description	Qty.
45006	Kit	12

- FEATURES**
- Fast acting

Application • Test kit designed for use in the field to detect acid in Polyol-Ester type oil

- Quickly detects unacceptable amounts of acid

Recommended for

- POE air conditioning & refrigeration oil



Oil-ID™

Identify oil type

Code	Description	Qty.
45001	Kit	12

- FEATURES**
- Cost effective
 - Quick & easy to use

Application • Field test kit quickly and easily identifies the type of refrigeration oil used in HVAC-R systems

- This inexpensive product will tell you within seconds, if the oil being used is a Polyol-Ester (POE) oil or not

Recommended for

- All types of oil





TURBO-KLEEN™ A/C SYSTEM FLUSH

Turbo-Kleen™ Chemically cleans & mechanically scrubs

Code	Description	Qty.
82500	Flush Kit	6
82400	1 pt. refill	12
82450	1 gal. refill	4

FEATURES

- Unique combination of chemical cleaning and scrubbing
- Stays active during the entire cleaning process
- Low toxicity
- Cost effective, reusable system; only buy refills for future jobs

Application • Quick and less expensive way to completely clean residual oil and contaminants from A/C line sets • Scrubbing action cleans more completely than chemicals alone

Recommended for • Retrofits
• Refrigerant conversions
• Compressor change-outs

Kit Includes • Injector nozzle & canister • Flushing tool • Plastic connecting line • 1 pt. of chemical solution



U. S. Patent No. 8,298,345; 8,734,589



Air Diffusers

Airtec® Classic •

Airtec® Retro •

Airtec® Tuffbox •





AIRTEC® CLASSIC AIR DIFFUSERS

Our patented 73 second diffuser install is the quickest in the trade.

AIRTEC CLASSIC

GRILLE • DAMPER • BOX

Think Fast. Work Smart.

Ask your distributor about the Airtec 73 second diffuser install.

The one piece design is virtually air tight, eliminating the need for tedious mastic and external sealers. That cuts attic time. Diffuser installation is no longer a two man job. Labor estimates will be more competitive and you can pocket the profit. You won't want to go back to a metal diffuser ever again.

Strong, Versatile, Quiet.

Airtec Classic is molded with professional grade polymers for long lasting durability. Choose from five grille styles to deliver the optimum air flow and movement pattern for any room. Stepped collar tears off easily to enlarge duct size to maximize job site flexibility. Virtually air-tight construction ensures efficient and quiet air delivery.

Damper Handle allows smooth, easy turning adjustment from below for fully open to tightly closed position

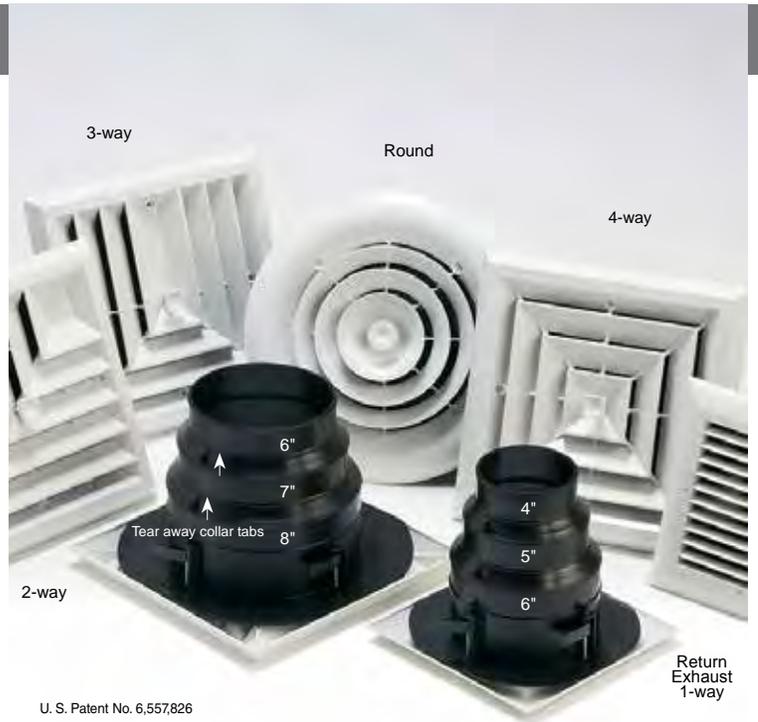
Mounting Clips are designed to accommodate ceiling thickness to 1 1/4". Screw heads are powder coated

Stepped Collar easily fits multiple duct sizes

Zip off bands tear away unneeded sections

High Grade Polymer Grille resists breakage, scratching, yellowing or fading

Virtually airtight butterfly damper
Rubber gasket delivers superior seal when closed



Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Lineset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products



AIRTEC® RETRO AIR DIFFUSERS
 Something unexpectedly beautiful for your discriminating customer.

AIRTEC

RETRO

GRILLE • DAMPER • BOX

Retro Style. Same Innovation

Ask your builder about the Airtec Retro upgrade.

Retro diffusers simulate the look of traditional cast iron, to add a sense of warmth missing in contemporary diffusers.

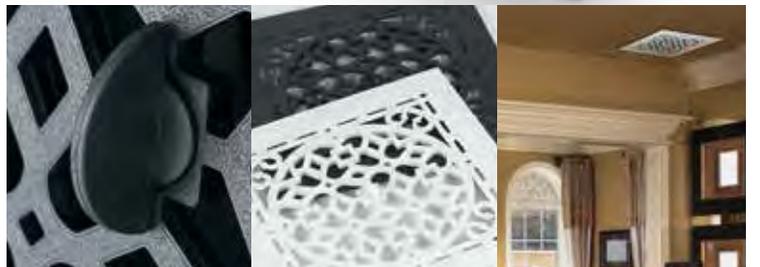
For Premium Installations.

Distinguish yourself from your competition with Airtec Retro reproduction antique styled air diffusers.

Your discerning customer can have the look and feel of a reproduction cast iron grille without the high cost and weight. Simulated cast iron texturing is scratch and rust resistant. Authentic handle turns easily for full range of air flow adjustment. Airtec Retro offers the same advanced technology and labor saving installation time as the standard Airtec diffuser line. Available in black and white. Stepped boot design, 2 sizes accommodate from 4" to 8" diameter ductwork.



U. S. Patent No. 6,557,826



Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Lineset Covers

Looking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products



AIRTEC® TUFFBOX AIR DIFFUSERS

Quick rough-in polymer register box for HVAC systems.



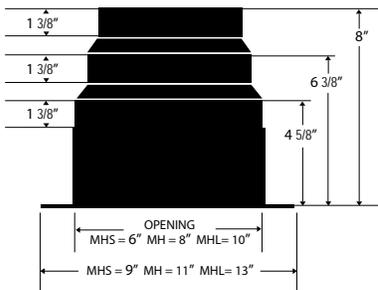
REGISTER BOX

Quick Rough-In Registers

- **Adaptable.**
- **Strong & Silent.**
- **No measuring.**
- **No guesswork.**

Our TuffBox is a heavy, one piece durable polymer shell. Molded design is virtually air-tight to deliver 100% of the air flow passing through it.

Each TuffBox utilizes innovative stepped design to accommodate three duct sizes. Quick breakaway collars allow on-site adjustment, and labor savings. Each collar is 1 3/8" and beaded to hold flexible duct in place while strap is secured. 5/8" standoffs provide correct depth to accommodate strapping or furring used with drywall. Secure using screw holes provided or simply screw anywhere through the inside into framing. Flange is flexible to conform to drywall backing virtually eliminating leakage between grille and box.



ORDERING INFORMATION

Code	Description	CNY QTY	CTN WT
81966 (MHS)	6x6" Register Box 4,5,6" collars	16	15 lbs.
81968 (MH)	8x8" Register Box 6,7,8" collars	10	12.2 lbs.
81970 (MHL)	10x10" Register Box 8,9,10" collars	8	12 lbs.

Condensate Management
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AIRTEC® ACCESSORIES

Limited Clearance Diffusers

Model GRD grille/damper combination for low clearance side or top entry applications. Same construction as Airtec diffusers but with no boot. Standard 8" size only. Available in all five grille styles.

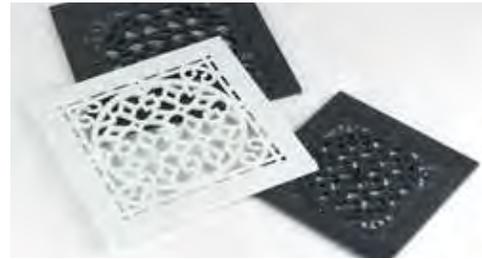
Grille with damper



Classic and Retro Grilles

Model GR grille only. All styles and sizes of both Airtec Classic and Airtec Retro grilles are available. Does not include boot or damper.

Grille only



Ceiling Support Flanges

Rough in flanges

RS # (ref. #)	Description	L	W	H	CTN QTY	CTN WT
81965 (RCF16)	16"O/C - 9 ¹ / ₄ " hole	16"	12"	3/8"	50	37 lbs.
81964 (RCF24)	24"O/C - 9 ¹ / ₄ " hole	23 ⁵ / ₈ "	12"	3/8"	25	38 lbs.
81955 (RCF16S)	16"O/C - 7" hole	16"	12"	3/8"	50	48 lbs.
81954 (RCF24S)	24"O/C - 7" hole	23 ⁵ / ₈ "	12"	3/8"	25	39 lbs.

Model RCF designed for new construction. Our RCF flashing can be fastened to rough framing. It has a 3/8" lip that drops below the ceiling, requiring dry wall installers to cut the hole for you. RCF flanges are available for both 16" and 24" on center framing.



Drop Ceiling Flanges

Flange only

RS # (ref. #)	Description	L	W	H	CTN QTY	CTN WT
81963 (DCF)	24"O/C - 9 ¹ / ₄ " hole	23 ⁵ / ₈ "	12"	2"	25	45 lbs.
81953 (DCFS)	24"O/C - 7" hole	23 ⁵ / ₈ "	12"	2"	25	48 lbs.

Model DCF will increase strength and performance for lay in type ceiling applications by transferring weight onto the T-bars. This prevents tiles from sagging over time.



Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Lineset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

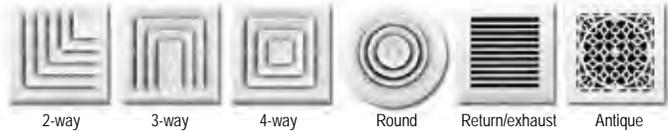
Air Conditioning Chemicals

Heating Chemicals

Other Related Products

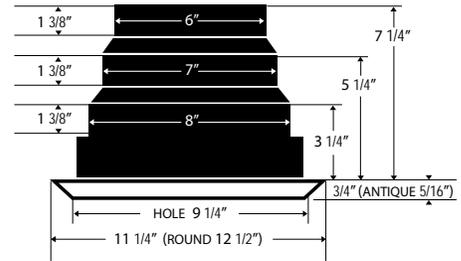
AIRTEC® ORDERING INFORMATION

GRILLE PATTERNS



Airtec Classic standard 8x8" diffuser assembly

RS # (ref. #)	DESCRIPTION	CTN QTY	CTN WT
81912 (MV2)	2-way grille/damper/box	4	9 lbs.
81913 (MV3)	3-way grille/damper/box	4	9 lbs.
81914 (MV4)	4-way grille/damper/box	4	9 lbs.
81911 (MV360)	Round grille/damper/box	4	9 lbs.
81915 (MVE)	Return/exhaust grille/damper/box	4	9 lbs.
81916 (MXE)	Return/exhaust grille/box (no damper)	4	9 lbs.

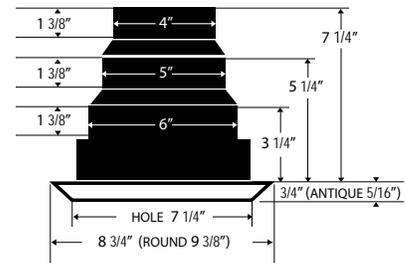


Airtec Retro standard 8x8" diffuser assembly

RS # (ref. #)	DESCRIPTION	CTN QTY	CTN WT
81909 (MVAW)	Retro White grille/damper/box	4	9 lbs.
81918 (MVAB)	Retro Black grille/damper/box	4	9 lbs.

Airtec Classic small 6x6" diffuser assembly

RS # (ref. #)	DESCRIPTION	CTN QTY	CTN WT
81902 (MV2S)	2-way grille/damper/box	8	10.5 lbs.
81903 (MV3S)	3-way grille/damper/box	8	10.5 lbs.
81904 (MV4S)	4-way grille/damper/box	8	10.5 lbs.
81901 (MV360S)	Round grille/damper/box	6	7.5 lbs.
81905 (MVES)	Return/exhaust grille/damper/box	8	10.5 lbs.
81906 (MXES)	Return/exhaust grille/box (no damper)	8	10.5 lbs.

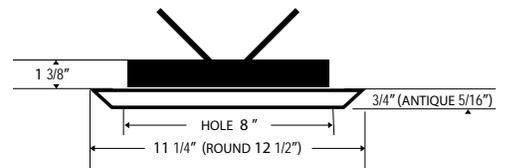


Airtec Retro small 6x6" diffuser assembly

RS # (ref. #)	DESCRIPTION	CTN QTY	CTN WT
81919 (MVASW)	Retro White grille/damper/box	8	10.5 lbs.
81908 (MVASB)	Retro Black grille/damper/box	8	10.5 lbs.

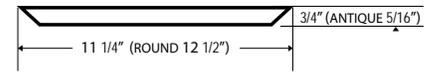
Limited clearance grille/damper

RS # (ref. #)	DESCRIPTION	CTN QTY	CTN WT
81942 (GRD2)	2-way grille/damper	12	15.8 lbs.
81943 (GRD3)	3-way grille/damper	12	15.8 lbs.
81944 (GRD4)	4-way grille/damper	12	15.8 lbs.
81941 (GRD360)	Round grille/damper	6	7.7 lbs.
81945 (GRDE)	Return/exhaust grille/damper	12	15.8 lbs.
81949 (GRDAW)	Retro grille/damper (white)	12	15.8 lbs.
81948 (GRDAB)	Retro grille/damper (black)	12	15.8 lbs.



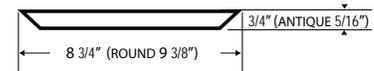
Standard Limited clearance grille only

RS # (ref. #)	DESCRIPTION	CTN QTY	CTN WT
81832 (GR2)	2-way grille	10	6 lbs.
81833 (GR3)	3-way grille	10	6 lbs.
81834 (GR4)	4-way grille	25	6 lbs.
81831 (GR360)	Round grille	15	6 lbs.
81835 (GRE)	Return/exhaust grille	25	6 lbs.
81839 (GRAW)	Retro grille (white)	25	8 lbs.
81838 (GRAB)	Retro grille (black)	10	8 lbs.



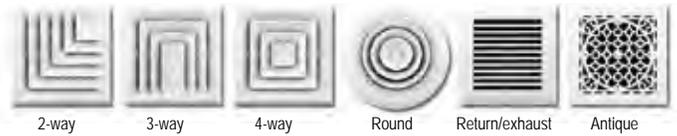
Small limited clearance grille only

RS # (ref. #)	DESCRIPTION	CTN QTY	CTN WT
81822 (GR2S)	2-way grille small	10	2 lbs.
81823 (GR3S)	3-way grille small	10	2 lbs.
81824 (GR4S)	4-way grille small	10	2 lbs.
81821 (GR360S)	Round grille small	10	4 lbs.
81825 (GRES)	Return/exhaust grille small	10	2 lbs.
81829 (GRASW)	Retro grille small (white)	10	5 lbs.
81828 (GRASB)	Retro grille small (black)	10	5 lbs.



AIRTEC® DIFFUSER AIR FLOW SPECIFICATIONS

GRILLE PATTERNS



RS # (ref. #) 81912 (MV2), 81942 (GRD2) & 81832 (GR2) (8x8") Ak=.33

CFM	PRESSURE LOSS	THROW*	FACE VELOCITY**
55	.006 WG	4.9 ft	164 ft/min
75	.009 WG	6.7 ft	229 ft/min
90	.014 WG	8.0 ft	264 ft/min
110	.021 WG	9.8 ft	330 ft/min
125	.027 WG	11.1 ft	375 ft/min
150	.039 WG	13.4 ft	451 ft/min
175	.053 WG	15.6 ft	533 ft/min
200	.069 WG	17.8 ft	604 ft/min
250	.108 WG	22.3 ft	757 ft/min
300	.156 WG	26.7 ft	909 ft/min
350	.212 WG	31.2 ft	1060 ft/min



RS # (ref. #) 81902 (MV2S) & 81822 (GR2S) (6x6") Ak=.17

CFM	PRESSURE LOSS	THROW*	FACE VELOCITY**
55	.028 WG	4.5 ft	308 ft/min
75	.054 WG	6.0 ft	421 ft/min
90	.102 WG	7.1 ft	592 ft/min
110	.145 WG	8.9 ft	663 ft/min
125	.181 WG	10.3 ft	785 ft/min
150	.245 WG	11.5 ft	903 ft/min
175	.325 WG	12.6 ft	1045 ft/min
200	.430 WG	14.0 ft	1155 ft/min

RS # (ref. #) 81913 (MV3), 81943 (GRD3) & 81833 (GR3) (8x8") Ak=.29

CFM	PRESSURE LOSS	THROW*	FACE VELOCITY**
55	.008 WG	5.0 ft	188 ft/min
75	.014 WG	6.8 ft	255 ft/min
90	.020 WG	8.1 ft	310 ft/min
110	.030 WG	9.9 ft	370 ft/min
125	.038 WG	11.3 ft	445 ft/min
150	.054 WG	13.5 ft	517 ft/min
175	.073 WG	15.8 ft	602 ft/min
200	.095 WG	18.0 ft	689 ft/min
250	.148 WG	22.5 ft	862 ft/min
300	.213 WG	27.0 ft	1034 ft/min
350	.289 WG	31.5 ft	1206 ft/min



RS # (ref. #) 81903 (MV3S) & 81823 (GR3S) (6x6") Ak=.17

CFM	PRESSURE LOSS	THROW*	FACE VELOCITY**
55	.056 WG	5.3 ft	344 ft/min
75	.075 WG	7.2 ft	426 ft/min
90	.130 WG	8.8 ft	570 ft/min
110	.171 WG	10.2 ft	661 ft/min
125	.230 WG	11.1 ft	785 ft/min
150	.290 WG	11.5 ft	880 ft/min
175	.445 WG	12.1 ft	994 ft/min
200	.545 WG	12.8 ft	1182 ft/min

Throw measurements are equal in all three directions +/-5%

RS # (ref. #) 81914 (MV4), 81944 (GRD4) & 81834 (GR4) (8x8") Ak=.30

CFM	PRESSURE LOSS	THROW*	FACE VELOCITY**
55	.007 WG	3.9 ft	183 ft/min
75	.011 WG	5.3 ft	247 ft/min
90	.017 WG	6.4 ft	293 ft/min
110	.024 WG	7.8 ft	359 ft/min
125	.030 WG	8.9 ft	410 ft/min
150	.043 WG	10.6 ft	505 ft/min
175	.057 WG	12.4 ft	562 ft/min
200	.073 WG	14.2 ft	640 ft/min
250	.114 WG	17.7 ft	833 ft/min
300	.164 WG	21.3 ft	1000 ft/min
350	.223 WG	24.8 ft	1166 ft/min



RS # (ref. #) 81904 (MV4S) & 81824 (GR4S) (6x6") Ak=.20

CFM	PRESSURE LOSS	THROW*	FACE VELOCITY**
55	.050 WG	4.5 ft	330 ft/min
75	.085 WG	6.3 ft	361 ft/min
90	.117 WG	7.1 ft	440 ft/min
110	.160 WG	8.2 ft	527 ft/min
125	.200 WG	9.1 ft	605 ft/min
150	.290 WG	10.2 ft	750 ft/min
175	.395 WG	10.9 ft	875 ft/min
200	.490 WG	11.5 ft	962 ft/min

RS # (ref. #) 81911 (MV360), 81941 (GRD360) & 81831 (GR360) (8x8") Ak=.33

CFM	PRESSURE LOSS	THROW*	FACE VELOCITY**
55	.002 WG	3.0 ft	161 ft/min
75	.003 WG	3.6 ft	223 ft/min
90	.004 WG	3.8 ft	269 ft/min
110	.005 WG	4.0 ft	328 ft/min
125	.006 WG	5.0 ft	381 ft/min
150	.010 WG	5.5 ft	449 ft/min
175	.015 WG	6.5 ft	527 ft/min
200	.021 WG	7.0 ft	612 ft/min
250	.029 WG	8.0 ft	755 ft/min
300	.038 WG	9.0 ft	904 ft/min
350	.045 WG	10.0 ft	1055 ft/min



RS # (ref. #) 81901 (MV360S) & 81821 (GR360S) (6x6") Ak=.17

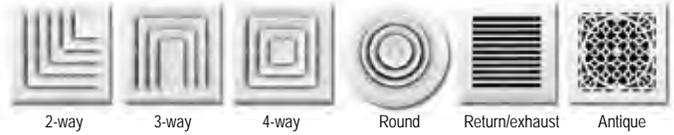
CFM	PRESSURE LOSS	THROW*	FACE VELOCITY**
55	.006 WG	0.8 ft	214 ft/min
75	.009 WG	1.5 ft	284 ft/min
90	.014 WG	2.2 ft	347 ft/min
110	.018 WG	2.3 ft	415 ft/min
125	.025 WG	3.2 ft	437 ft/min
150	.036 WG	4.4 ft	544 ft/min
175	.045 WG	5.5 ft	614 ft/min
200	.060 WG	6.4 ft	699 ft/min

*All throw measurements are made from the center of the grille to a terminal velocity of 50 feet per minute. Direction determined by grille profile.

**Noise level of any diffuser is directly related to face velocity. As a general rule face velocity should be under 800 FPM for residential applications. The MV diffuser with its one piece molded design, outperforms comparable diffusers causing less turbulence and noise.

AIRTEC® DIFFUSER AIR FLOW SPECIFICATIONS

GRILLE PATTERNS



RS # (ref. #)
81915 (MVE), 81945 (GRDE) & 81835 (GRE) (8x8") Ak=.37

RS # (ref. #)
81905 (MVES) & 81825 (GRES) (6x6") Ak=.31

CFM	PRESSURE LOSS	THROW*	FACE VELOCITY**
55	.0005 WG	0.8 ft	92 ft/min
75	.0008 WG	2.1 ft	151 ft/min
90	.0014 WG	3.4 ft	207 ft/min
110	.0017 WG	5.6 ft	255 ft/min
125	.0020 WG	7.8 ft	350 ft/min
150	.0030 WG	9.7 ft	445 ft/min
175	.0050 WG.	11.4 ft	545 ft/min
200	.0080 WG	12.8 ft	700 ft/min
250	.0200 WG	14.1 ft	910 ft/min
300	.0250 WG	14.8 ft	1044 ft/min
350	.0300 WG	15.4 ft	1187 ft/min



CFM	PRESSURE LOSS	THROW*	FACE VELOCITY**
55	.0008 WG	1.2 ft	146 ft/min
75	.0018 WG	4.2 ft	230 ft/min
90	.0035 WG	6.2 ft	285 ft/min
110	.0043 WG	7.3 ft	338 ft/min
125	.0054 WG	8.7 ft	434 ft/min
150	.0085 WG	9.8 ft	545 ft/min
175	.0100 WG.	11.0 ft	645 ft/min
200	.0110 WG	12.4 ft	685 ft/min

RS # (ref. #)
81916 (MXE) (8x8") Ak=.37

RS # (ref. #)
81906 (MXES) (6x6") Ak=.31

CFM	PRESSURE LOSS	THROW*	FACE VELOCITY**
55	.0005 WG	0.8 ft	92 ft/min
75	.0008 WG	2.1 ft	151 ft/min
90	.0014 WG	3.4 ft	207 ft/min
110	.0017 WG	5.6 ft	255 ft/min
125	.0020 WG	7.8 ft	350 ft/min
150	.0030 WG	9.7 ft	445 ft/min
175	.0050 WG.	11.4 ft	545 ft/min
200	.0080 WG	12.8 ft	700 ft/min
250	.0200 WG	14.1 ft	910 ft/min
300	.0250 WG	14.8 ft	1044 ft/min
350	.0300 WG	15.4 ft	1187 ft/min

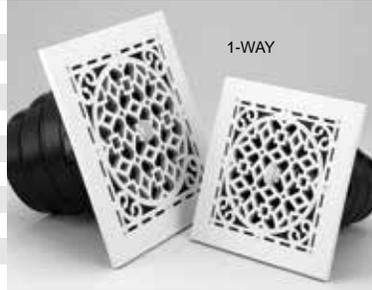


CFM	PRESSURE LOSS	THROW*	FACE VELOCITY**
55	.0008 WG	1.2 ft	146 ft/min
75	.0018 WG	4.2 ft	230 ft/min
90	.0035 WG	6.2 ft	285 ft/min
110	.0043 WG	7.3 ft	338 ft/min
125	.0054 WG	8.7 ft	434 ft/min
150	.0085 WG	9.8 ft	545 ft/min
175	.0100 WG.	11.0 ft	645 ft/min
200	.0110 WG	12.4 ft	685 ft/min

RS # (ref. #)
81909 (MVAW), 81949 (GRDAW) & 81839 (GRAW) (8x8") Ak=.26

RS # (ref. #)
81919 (MVASW) & 81829 (GRASW) (6x6") Ak=.20

CFM	PRESSURE LOSS	THROW*	FACE VELOCITY**
55	.0007 WG	4.0 ft	175 ft/min
75	.0009 WG	6.8 ft	269 ft/min
90	.0021 WG	8.2 ft	383 ft/min
110	.0055 WG	9.9 ft	436 ft/min
125	.0064 WG	11.3 ft	472 ft/min
150	.0085 WG	12.9 ft	593 ft/min
175	.0105 WG.	14.3 ft	693 ft/min
200	.0160 WG	15.3 ft	841 ft/min
250	.0230 WG	16.0 ft	1031 ft/min
300	.0391 WG	17.2 ft	1201 ft/min
350	.0552 WG	17.9.ft	1315 ft/min



CFM	PRESSURE LOSS	THROW*	FACE VELOCITY**
55	.0085 WG	2.1 ft	277 ft/min
75	.0185 WG	5.0 ft	373 ft/min
90	.0240 WG	7.9 ft	445 ft/min
110	.0375 WG	10.9 ft	550 ft/min
125	.0520 WG	13.3 ft	650 ft/min
150	.0730 WG	14.9 ft	771 ft/min
175	.1010 WG.	16.3 ft	899 ft/min
200	.1200 WG	17.5 ft	988 ft/min

RS # (ref. #)
81918 (MVAB), 81948 (GRDAB) & 81838 (GRAB) (8x8") Ak=.26

RS # (ref. #)
81908 (MVASB) & 81828 (GRASB) (6x6") Ak=.20

CFM	PRESSURE LOSS	THROW*	FACE VELOCITY**
55	.0007 WG	4.0 ft	175 ft/min
75	.0009 WG	6.8 ft	269 ft/min
90	.0021 WG	8.2 ft	383 ft/min
110	.0055 WG	9.9 ft	436 ft/min
125	.0064 WG	11.3 ft	472 ft/min
150	.0085 WG	12.9 ft	593 ft/min
175	.0105 WG.	14.3 ft	693 ft/min
200	.0160 WG	15.3 ft	841 ft/min
250	.0230 WG	16.0 ft	1031 ft/min
300	.0391 WG	17.2 ft	1201 ft/min
350	.0552 WG	17.9.ft	1315 ft/min



CFM	PRESSURE LOSS	THROW*	FACE VELOCITY**
55	.0085 WG	2.1 ft	277 ft/min
75	.0185 WG	5.0 ft	373 ft/min
90	.0240 WG	7.9 ft	445 ft/min
110	.0375 WG	10.9 ft	550 ft/min
125	.0520 WG	13.3 ft	650 ft/min
150	.0730 WG	14.9 ft	771 ft/min
175	.1010 WG.	16.3 ft	899 ft/min
200	.1200 WG	17.5 ft	988 ft/min

Note: Supply diameter has no appreciable effect on characteristics or airflow specifications, but should be consistent with the desired airflow of the particular outlet and application. Instruments used in testing: • Shortridge Instruments Flowhood Series 8400 • Shortridge Instruments Air data Multimeter • Davis LCA-6000 Rotating Vane Anemometer

Linesets & Lineset Covers

Fortress® Lineset Ducting System •

Slimduct® Lineset Ducting System •

PD Series •

NoKink™ •

Paircoil •





FORTRESS® LINESET COVERS

Professional grade ducting, protects and hides unsightly mini-split linesets in a snap!



Standard professional grade • Satin finish • More moderate price point

- 2 **sizes.** Duct & fittings are available in both 3 1/2" or 4 1/2"
- 4 colors. Choose white, ivory, brown or gray
- 17 fittings. Assures complete flexibility of installation
- 8' lengths. 6 lengths per box
- 6 **fittings per box.** Efficient ordering and inventory
- 1 year warranty.



Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Line Set Covers

Looking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

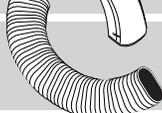
Heating Chemicals

Other Related Products

FORTRESS® LINESET COVER ORDERING INFORMATION

NEW!
Longer 8ft ducting
 minimizes joints and
 reduces waste



	MODEL	SIZE	DESCRIPTION	L	W	H
	LD92	3 1/2	Ducting	96"	3 5/8"	2 5/8"
	LD122	4 1/2	Ducting	96"	4 5/8"	3 1/4"
	LJ92	3 1/2	Coupler	2 5/8"	3 7/8"	2 3/4"
	LJ122	4 1/2	Coupler	2 5/8"	4 7/8"	3 1/2"
	LW92	3 1/2	Wall Inlet	9"	4 3/8"	3 1/8"
	LW122	4 1/2	Wall Inlet	9 3/4"	5 3/8"	4"
	LEN92	3 1/2	End Fitting	4 1/4"	3 7/8"	2 3/4"
	LEN122	4 1/2	End Fitting	4 1/4"	4 7/8"	3 1/2"
	LK92	3 1/2	90° Flat EII	5 3/4"	5 3/4"	2 3/4"
	LK122	4 1/2	90° Flat EII	6 1/4"	6 1/2"	3 1/2"
NEW! Above fittings now also available in LDK Kit pack (shown right)						
	LP92	3 1/2	Soffit Inlet	3 1/2"	6"	4 7/8"
	LP122	4 1/2	Soffit Inlet	3 1/2"	7"	5 1/2"
	LKF92	3 1/2	45° Flat EII	4 7/8"	4 7/8"	2 3/4"
	LKF122	4 1/2	45° Flat EII	6 1/2"	6 1/2"	3 1/2"
	LCI92	3 1/2	90° Inside Vertical EII	5 1/4"	5 1/4"	2 3/4"
	LCI122	4 1/2	90° Inside Vertical EII	5 1/4"	5 1/4"	3 1/2"
	LCO92	3 1/2	90° Outside Vertical EII	4 1/2"	4 1/2"	2 3/4"
	LCO122	4 1/2	90° Outside Vertical EII	5 1/4"	5 1/4"	3 1/2"
	LCFI92	3 1/2	45° Inside Vertical EII	4 3/4"	3 7/8"	2 3/4"
	LCFI122	4 1/2	45° Inside Vertical EII	6 1/4"	4 7/8"	3 1/2"
	LCFO92	3 1/2	45° Outside Vertical EII	4 5/8"	3 7/8"	2 3/4"
	LCFO122	4 1/2	45° Outside Vertical EII	5 1/4"	4 7/8"	3 1/2"
	LT92	3 1/2	Tee	7 3/4"	5 3/4"	2 3/4"
	LT122	4 1/2	Tee	7 3/4"	6 1/2"	3 1/2"
	LDR12292	3 1/2-4 1/2	Reducer	3"	4 7/8"	3 7/8"
	LKS92	3 1/2	90° Sweep EII	13"	13"	2 3/4"
	LKS122	4 1/2	90° Sweep EII	14"	14"	3 1/2"
	LF92	3 1/2	Flexible EII	40"	3 1/2"	2 1/2"
	LF122	4 1/2	Flexible EII	40"	4 1/2"	3 1/4"
	LFJ92	3 1/2	Flexible Adaptor	3 1/8"	3 7/8"	2 3/4"
	LFJ122	4 1/2	Flexible Adaptor	3 1/8"	4 7/8"	3 1/2"
	LWF92	3 1/2	Wall Flange	5"	6"	2 1/8"
	LWF122	4 1/2	Wall Flange	6 1/2"	7 3/4"	2 5/8"
	LDC	-	Twistlock Lineset Duct Clip	-	-	-

WHITE		IVORY		BROWN		GRAY	
RS # (ref. #)	QTY						
84004 (LD92W)	6	84024 (LD92I)	6	84064 (LD92B)	6	84044 (LD92G)	6
84104 (LD122W)	6	84124 (LD122I)	6	84164 (LD122B)	6	84144 (LD122G)	6
84010 (LJ92W)	6	84030 (LJ92I)	6	84270 (LJ92B)	1	84250 (LJ92G)	1
84110 (LJ122W)	6	84130 (LJ122I)	6	84370 (LJ122B)	1	84350 (LJ122G)	1
84016 (LW92W)	6	84036 (LW92I)	6	84276 (LW92B)	1	84256 (LW92G)	1
84116 (LW122W)	6	84136 (LW122I)	6	84376 (LW122B)	1	84356 (LW122G)	1
84007 (LEN92W)	6	84027 (LEN92I)	6	84267 (LEN92B)	1	84247 (LEN92G)	1
84107 (LEN122W)	6	84127 (LEN122I)	6	84367 (LEN122B)	1	84347 (LEN122G)	1
84011 (LK92W)	6	84031 (LK92I)	6	84271 (LK92B)	1	84251 (LK92G)	1
84111 (LK122W)	6	84131 (LK122I)	6	84371 (LK122B)	1	84351 (LK122G)	1
84014 (LP92W)	6	84034 (LP92I)	6	84274 (LP92B)	1	84254 (LP92G)	1
84114 (LP122W)	6	84134 (LP122I)	6	84374 (LP122B)	1	84354 (LP122G)	1
84012 (LKF92W)	6	84032 (LKF92I)	6	84272 (LKF92B)	1	84252 (LKF92G)	1
84112 (LKF122W)	6	84132 (LKF122I)	6	84372 (LKF122B)	1	84352 (LKF122G)	1
84002 (LCI92W)	6	84022 (LCI92I)	6	84262 (LCI92B)	1	84242 (LCI92G)	1
84102 (LCI122W)	6	84122 (LCI122I)	6	84362 (LCI122B)	1	84342 (LCI122G)	1
84003 (LCO92W)	6	84023 (LCO92I)	6	84263 (LCO92B)	1	84243 (LCO92G)	1
84103 (LCO122W)	6	84123 (LCO122I)	6	84363 (LCO122B)	1	84343 (LCO122G)	1
84000 (LCFI92W)	6	84020 (LCFI92I)	6	84260 (LCFI92B)	1	84240 (LCFI92G)	1
84100 (LCFI122W)	6	84120 (LCFI122I)	6	84360 (LCFI122B)	1	84340 (LCFI122G)	1
84001 (LCFO92W)	6	84021 (LCFO92I)	6	84261 (LCFO92B)	1	84241 (LCFO92G)	1
84101 (LCFO122W)	6	84121 (LCFO122I)	6	84361 (LCFO122B)	1	84341 (LCFO122G)	1
84015 (LT92W)	6	84035 (LT92I)	6	84275 (LT92B)	1	84255 (LT92G)	1
84115 (LT122W)	6	84135 (LT122I)	6	84375 (LT122B)	1	84355 (LT122G)	1
84106 (LDR12292W)	6	84126 (LDR12292I)	6	84366 (LDR12292B)	1	84346 (LDR12292G)	1
84013 (LKS92W)	6	84033 (LKS92I)	6	84273 (LKS92B)	1	84253 (LKS92G)	1
84113 (LKS122W)	6	84133 (LKS122I)	6	84373 (LKS122B)	1	84353 (LKS122G)	1
84008 (LF92W)	6	84028 (LF92I)	6	84268 (LF92B)	1	84248 (LF92G)	1
84108 (LF122W)	6	84128 (LF122I)	6	84368 (LF122B)	1	84348 (LF122G)	1
84009 (LFJ92W)	6	84029 (LFJ92I)	6	84269 (LFJ92B)	1	84249 (LFJ92G)	1
84109 (LFJ122W)	6	84129 (LFJ122I)	6	84369 (LFJ122B)	1	84349 (LFJ122G)	1
84017 (LWF92W)	6	84037 (LWF92I)	6	84277 (LWF92B)	1	84257 (LWF92G)	1
84117 (LWF122W)	6	84137 (LWF122I)	6	84377 (LWF122B)	1	84357 (LWF122G)	1
84099 (LDC)							
(12 pk 50 bags)							

NEW!

12' Wall Duct Kit

Kit includes 12' of duct and fittings for a standard installation.

Available in white, ivory, gray and brown



LDK Kit includes:

- LD - Ducting 4' Long (3)
- LJ - Couplers (2)
- LW - Wall Inlet (1)
- LEN - End Fitting (1)
- LK- 90° Flat Ell (1)

Order:

- 84045 LDK92G - Gray 31/2
- 84145 LDK122G - Gray 41/2
- 84065 LDK92B - Brown 31/2
- 84165 LDK122B - Brown 41/2
- 84005 LDK92W - White 3 1/2
- 84105 LDK122W - White 4 1/2
- 84025 LDK92I - Ivory 3 1/2
- 84125 LDK122I - Ivory 4 1/2



Ducting and fittings packaged

6 per box helps minimize inventory

FORTRESS® LINESET COVERS

Continued

Fortress® 3-Step Installation

Application. Fortress® is perfect for mini-splits, high velocity and conventional split air conditioning systems.

Strong. Fortress® ducting is extruded with our special formula rigid polyvinyl chloride, which is UV and weather resistant. The result is a long lasting quality product that will remain attractive and provide protection for many years.

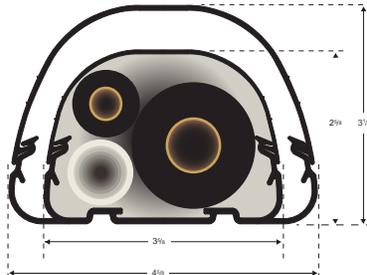
Protective. Fortress® protects lineset, wiring and drain hose from weather, vandalism, pet and pest damage.

Easy to install. Fortress® installs quickly, and can be easily accessed for repairs or replacement of the lineset.

Stylish. Fortress® eliminates unsightly lineset used in a typical installation. Ducting is available in two lineset sizes and four neutral colors - white, ivory, brown and gray to compliment any residential or commercial building.

Paintable. Brush, spray or roller to match or compliment custom colors. Follow paint manufacturers recommendations for vinyl products.

Functional & Professional Appearance



Technical Information

Weather Resistance
Weather resistant PVC,
UV stabilized & fire resistant.
Tested to over 2,000 hours.

Temperature Range
-4°F to 140°F

Fortress® Options

4 Colors for Residential & Commercial Applications



Size Specifications - Choose duct size LD92 or LD122.

NOTE: Dark colors fade in sunlight sooner than lighter colors



SLIMDUCT® LINESET COVERS

Attractive lineset ducting system for the professional installer.

SLIMDUCT®

Heavy weight professional grade • Gloss finish

- 3 sizes. 3³/₄", 4¹/₂" and 5¹/₂"
- 3 colors. Choose white, ivory, or brown
- 15 fittings. Assures complete flexibility of installation
- 78" lengths. 5 lengths per box
- 10 fittings per box.
- 1 year warranty.



Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Lineset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

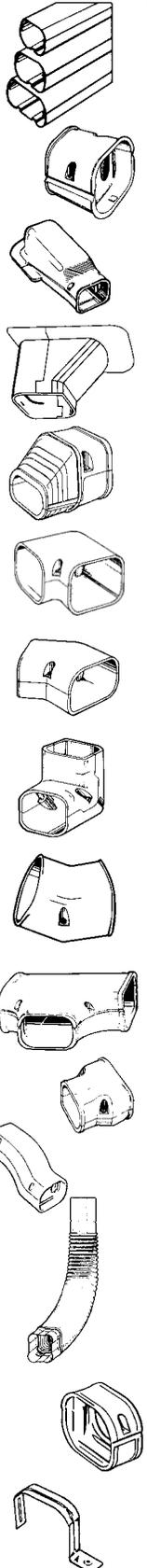
Air Conditioning Chemicals

Heating Chemicals

Other Related Products

SLIMDUCT® LINESET COVER ORDERING INFORMATION

Condensate Management
Compressor Maintenance
Air Diffusers
Linesets & Covers
Refrigerant Caps
Equipment Mounting
Specialty Chemicals
Air Conditioning Chemicals
Heating Chemicals
Other Related Products



RS# (ref. #) White	RS# (ref. #) Ivory	RS# (ref. #) Brown	Description	L	W	H
85004 (SD-77-W)	85024 (SD-77-I)	85064 (SD-77-B)	SD Slimduct 78" length 77	78"	2 ⁷ / ₈ "	2 ³ / ₈ "
85104 (SD-100-W)	85124 (SD-100-I)	85164 (SD-100-B)	SD Slimduct 78" length 100	78"	4"	2 ³ / ₄ "
85204 (SD-140-W)	85224 (SD-140-I)	85264 (SD-140-B)	SD Slimduct 78" length 140	78"	5 ³ / ₈ "	3 ¹ / ₄ "
86010 (SJ-77-W)	86030 (SJ-77-I)	85370 (SJ-77-B)	SJ coupler 77	2"	3 ³ / ₈ "	2 ⁵ / ₈ "
86110 (SJ-100-W)	86130 (SJ-100-I)	85470 (SJ-100-B)	SJ coupler 100	2 ¹ / ₂ "	4 ¹ / ₄ "	3"
86210 (SJ-140-W)	86230 (SJ-140-I)	85570 (SJ-140-B)	SJ coupler 140	3 ¹ / ₂ "	5 ³ / ₄ "	3 ³ / ₈ "
86016 (SW-77-W)	86036 (SW-77-I)	85376 (SW-77-B)	SW wall inlet 77	8"	4 ³ / ₈ "	3"
86116 (SW-100-W)	86136 (SW-100-I)	85476 (SW-100-B)	SW wall inlet 100	8 ³ / ₄ "	5"	3 ³ / ₈ "
85216 (SW-140-W)	85236 (SW-140-I)	85576 (SW-140-B)	SW wall inlet 140	11"	6 ¹ / ₂ "	3 ⁷ / ₈ "
85014 (SP-77-W)	85034 (SP-77-I)	85374 (SP-77-B)	SP soffit inlet 77	5 ¹ / ₈ "	4 ³ / ₈ "	5 ¹ / ₈ "
86114 (SP-100-W)	86134 (SP-100-I)	85474 (SP-100-B)	SP soffit inlet 100	5 ³ / ₈ "	5 ³ / ₈ "	5 ³ / ₈ "
85214 (SP-140-W)	85234 (SP-140-I)	85574 (SP-140-B)	SP soffit inlet 140	5 ³ / ₄ "	6 ⁷ / ₈ "	5 ³ / ₄ "
86007 (SE/SEN-77-W)	86027 (SE/SEN-77-I)	85367 (SE/SEN-77-B)	SEN end fitting 77	1 ³ / ₄ "	3 ¹ / ₄ "	2 ⁵ / ₈ "
86107 (SEN-100-W)	86127 (SEN-100-I)	85467 (SEN-100-B)	SEN end fitting 100	4 ¹ / ₂ "	4 ¹ / ₄ "	3"
86207 (SEN-140-W)	86227 (SEN-140-I)	85567 (SEN-140-B)	SEN end fitting 140	6"	5 ³ / ₄ "	3 ³ / ₈ "
86011 (SK-77-W)	86031 (SK-77-I)	85371 (SK-77-B)	SK 90° flat ELL 77	5"	2 ⁵ / ₈ "	5"
86111 (SK-100-W)	86131 (SK-100-I)	85471 (SK-100-B)	SK 90° flat ELL 100	6"	3"	6"
85211 (SK-140-W)	85231 (SK-140-I)	85571 (SK-140-B)	SK 90° flat ELL 140	7 ¹ / ₂ "	3 ³ / ₈ "	7 ¹ / ₂ "
85012 (SKF-77-W)	85032 (SKF-77-I)	85372 (SKF-77-B)	SKF 45° flat ELL 77	4 ¹ / ₂ "	3 ¹ / ₄ "	2 ⁵ / ₈ "
86112 (SKF-100-W)	86132 (SKF-100-I)	85472 (SKF-100-B)	SKF 45° flat ELL 100	5 ¹ / ₄ "	4 ¹ / ₄ "	3"
85212 (SKF-140-W)	85232 (SKF-140-I)	85572 (SKF-140-B)	SKF 45° flat ELL 140	6 ¹ / ₄ "	5 ³ / ₄ "	3 ³ / ₈ "
86002 (SC-77-W)	86022 (SC-77-I)	85362 (SC-77-B)	SC 90° vertical ELL 77	4"	3 ¹ / ₄ "	4"
86102 (SC-100-W)	86122 (SC-100-I)	85462 (SC-100-B)	SC 90° vertical ELL 100	4 ⁵ / ₈ "	4 ¹ / ₄ "	4 ⁵ / ₈ "
85202 (SC-140-W)	85222 (SC-140-I)	85562 (SC-140-B)	SC 90° vertical ELL 140	5"	5 ³ / ₄ "	5"
85000 (SCF-77-W)	85020 (SCF-77-I)	85360 (SCF-77-B)	SCF 45° vertical ELL 77	4 ¹ / ₈ "	3 ¹ / ₄ "	2 ⁵ / ₈ "
86100 (SCF-100-W)	86120 (SCF-100-I)	85460 (SCF-100-B)	SCF 45° vertical ELL 100	4 ³ / ₈ "	4 ¹ / ₄ "	3"
85200 (SCF-140-W)	85220 (SCF-140-I)	85560 (SCF-140-B)	SCF 45° vertical ELL 140	4 ⁵ / ₈ "	5 ³ / ₄ "	3 ³ / ₈ "
86015 (ST-77-W)	86035 (ST-77-I)	85375 (ST-77-B)	ST TEE 77	6 ¹ / ₂ "	4 ⁷ / ₈ "	2 ⁵ / ₈ "
86115 (ST-100-W)	86135 (ST-100-I)	85475 (ST-100-B)	ST TEE 100	7 ¹ / ₈ "	6"	3"
85215 (ST-140-W)	85235 (ST-140-I)	85575 (ST-140-B)	ST TEE 140	9 ⁷ / ₈ "	7 ⁷ / ₈ "	3"
85106 (SDR-100-77-W)	85126 (SDR-100-77-I)	85466 (SDR-100-77-B)	SDR reducer 100-77	2 ¹ / ₂ "	4 ¹ / ₄ "	3"
86206 (SDR-140-100-W)	86226 (SDR-140-100-I)	85566 (SDR-140-100-B)	SDR reducer 140-100	4"	5 ³ / ₄ "	3 ³ / ₈ "
86018 (SIF-77-W)	86038 (SIF-77-I)	85378 (SIF-77-B)	SIF 2" fixed offset 77	7 ¹ / ₈ "	3 ¹ / ₄ "	3 ¹ / ₄ "
86118 (SIF-100-W)	86138 (SIF-100-I)	85478 (SIF-100-B)	SIF 2" fixed offset 100	7 ¹ / ₈ "	4 ¹ / ₄ "	4 ¹ / ₄ "
85008 (SF-77-500-W)	85028 (SF-77-500-I)	85368 (SF-77-500-B)	SF flexible ELL 20" length 77-500	19 ¹ / ₂ "	3"	2 ¹ / ₂ "
86108 (SF-100-800-W)	86128 (SF-100-800-I)	86468 (SF-100-800-B)	SF flexible ELL 31" length 100-800	31 ¹ / ₂ "	4"	2 ³ / ₄ "
85208 (SF-140-800-W)	85228 (SF-140-800-I)	85568 (SF-140-800-B)	SF flexible ELL 31" length 140-800	31 ¹ / ₂ "	5 ³ / ₄ "	3 ³ / ₈ "
-	85188 (SF-77-1000-I)	-	SF flexible ELL 39" length ivory 77-1000	2 ⁹ / ₄ "	3"	2 ¹ / ₂ "
85009 (SFJ-77-W)	85029 (SFJ-77-I)	85369 (SFJ-77-B)	SFJ flexible adaptor 77	1 ³ / ₈ "	3 ¹ / ₄ "	3 ¹ / ₄ "
85109 (SFJ-100-W)	85129 (SFJ-100-I)	85469 (SFJ-100-B)	SFJ flexible adaptor 100	1 ¹ / ₂ "	4 ¹ / ₄ "	4 ¹ / ₄ "
86105 (SWC-100-W)	-	-	SD 3.75" Slim wall flange 100	5 ⁵ / ₈ "	1 ⁵ / ₈ "	6 ⁷ / ₈ "
85205 (SWC-140-W)	-	-	SD 5.5" Slim wall flange 140	7 ¹ / ₈ "	1 ⁵ / ₈ "	8 ² / ₃ "
86005 (SWC-77-W)	86025 (SWC-77-I)	-	SD 2.75" Slim wall flange 77	4 ¹ / ₂ "	1 ⁵ / ₈ "	5"
85080 (SN-77-W)	85085 (SN-77-I)	85395 (SN-77-B)	SD 2.75" Twist ELL 77	5 ¹ / ₂ "	5 ¹ / ₂ "	3 ³ / ₁₆ "
86001 (SFS-77)	-	-	SFS saddle for flexible ELL* 77	1 ³ / ₈ "	3 ¹ / ₄ "	2 ¹ / ₂ "
86101 (SFS-100)	-	-	SFS saddle for flexible ELL* 100	1 ¹ / ₂ "	3 ¹ / ₄ "	3"
86201 (SFS-140)	-	-	SFS saddle for flexible ELL* 140	1 ¹ / ₂ "	4 ¹ / ₄ "	3"
86299 (SL-300)	-	-	SL strap kit for line sets	-	-	-

* (stainless steel)

SLIMDUCT® LINESET COVERS

Continued

SlimDuct® Quick Installations

Application. Slimduct® is perfect for mini-splits, high velocity and conventional ducted split air conditioning systems.

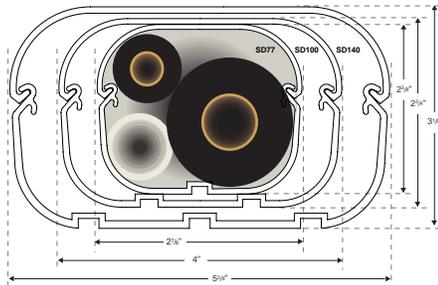
Strong. Slimduct® ducting is extruded with our special formula rigid polyvinyl chloride. Slimduct is UV, weather & fire resistant, with a temperature range from -4°F to 140°F. The result is a long lasting quality product that will remain attractive and provide protection for many years.

Protective. Slimduct® protects lineset, wiring and drain hose from weather, vandalism, pet and pest damage.

Easy to install. Slimduct® installs quickly, and can be easily accessed for repairs or replacement of the lineset.

Stylish. Slimduct® offers three duct sizes. Each size is available in three neutral colors - white, ivory, and brown. Slimduct colors are designed to compliment any natural stone, brick, wood, stucco, vinyl or painted facade, and can be used for both residential or commercial installations.

Functional & Professional Appearance



Technical Information

Weather Resistance
Weather resistant PVC, UV stabilized & fire resistant. Tested to over 2,000 hours.

Temperature Range
-4°F to 140°F

SlimDuct® Options

3 Colors for Residential & Commercial Applications



Size Specifications - Choose duct size SD77, SD100 or SD140.

NOTE: Dark colors fade in sunlight sooner than lighter colors

SLIMDUCT is a registered trademark of Inaba Denki Sangyo Co.



INABA DENKO PVC DUCT SYSTEMS

Light commercial VRF and industrial linesets.

INABA DENKO

PD Series

Functional & Professional Appearance

- **Light & Tough:** UV & weather resistant heavy duty PVC construction resists deformation.
- The PD series is designed to protect linesets from the elements, vandalism and mechanical damage while enhancing the external appearance of the entire system.
- Currently available in 2 sizes, 3.5" diameter and 4.7" diameter, this series is designed primarily for use in smaller VRF systems.
- It is particularly effective for cladding any configuration of final connections into a condenser.
- In addition, this series can be used for industrial linesets for both refrigeration and conventional Air Conditioning applications.
- The PD Series can be fitted during the installation process or can easily be retrofitted after the linesets have been installed.
- **Easy Installation:** All duct and fittings disassemble for ease of installation and mount with commercially available standard wall mounted pipe brackets.



Specifications & Technical Information

Application: Offset from vertical or horizontal surface • **Temperature Range:** -4°F to 140°F (surface temperature) • **Material:** Fire resistant & UV stable rigid PVC • **Color:** Ivory

*1 System is designed for use with pipe clamps sized for steel pipe. Pipe clamps sized for PVC pipe can also be used provided their OD is 3.5" or less.
*2 Lineset capacity mentioned is based on Insulation thickness up to 0.75". For thicker insulation reduce Lineset capacity accordingly.

Maximum Lineset Combinations

Item No.	Matching Pipe Clamp Size*1	Insulation Thickness		
		0.39" x 0.39" *2	0.39" x 0.78" *2	0.78" x 0.78"
PD-90	3.5" or less	0.62" x 1.12"	0.37" x 0.75"	-
PD-120	4.7" or less	0.75" x 1.50"	0.75" x 1.25"	0.37" x 0.75"

Ordering Information

RS# (ref. #)	Description (Ivory)
86403 (PD90-1000-I)	PD 90 duct 3.5" x 38"
86413 (PD90-1500-I)	PD 90 duct 3.5" x 58"
86404 (PD120-1000-I)	PD 120 duct 4.7" x 38"
86414 (PD120-1500-I)	PD 120 duct 4.7" x 58"
86401 (PDE-90-I)	PD 90 - 90° ELL
86411 (PDE-120-I)	PD 120 - 90° ELL
86400 (PDJ-90-I)	PD 90 plain coupler
86402 (PDF-90-I)	PD 90 - 45° ELL
86412 (PDF-120-I)	PD 120 - 45° ELL
86410 (PDJ-120-I)	PD 120 plain coupler
86405 (PDT-90-I)	PD 90 TEE
86415 (PDT-120-I)	PD 120 TEE

RS# (ref. #)	Description (Ivory)
86406 (PDC-90-I)	PD 90 end fitting
86416 (PDC-120-I)	PD 120 end fitting
86407 (PWP-90-I)	PD 90 wall flange
86417 (PWP-120-I)	PD 120 wall flange
86409 (PDB-90-I)	PD 90 mounting coupler
86419 (PDB-120-I)	PD 120 mounting coupler
86429 (PDL)	PD metal mounting clip
86420 (PDPC-90)	PD 90 pipe clamp 3.5"
86421 (PDPC-120)	PD 120 pipe clamp 4.7"
86425 (PDTM60)	PD TEE type mounting bracket, 2.5" long
86426 (PDTM80)	PD TEE type mounting bracket, 3" long
86427 (PDTM100)	PD TEE type mounting bracket, 4" long

Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Lineset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products



CONNECTORS & LINESETS

RectorSeal® NoKink™

Flexible mini-split refrigerant line connector

Code	Description	Qty.
*66731	1/4" x 3' flex hose	4
*66733	3/8" x 3' flex hose	4
*66737	1/2" x 3' flex hose	4
*66735	5/8" x 3' flex hose	4
66732	3/4" x 3' flex hose	4
66734	7/8" x 3' flex hose	4
68231	1/4" x 6' flex hose	4
68233	3/8" x 6' flex hose	4
68235	5/8" x 6' flex hose	4
68237	1/2" x 6' flex hose	4

Application • Corrugated 300 series stainless steel flexible piping, protected with woven stainless steel jacketing, connects evaporator units to linesets quickly and easily
 • Eliminate kinks and refrigerant leaks
 • Allows for ease of future maintenance



FEATURES

- Eliminates kinking of refrigerant line
- Stainless steel internal piping & jacketing
- 3" copper stubs allow for easy flaring & quick connections
- Operating Pressure Rating: 800psi
- 10 sizes available



36" and 72" overall length



3" copper stub length

RectorSeal® Paircoil

Pre-insulated and paired linesets

Code	Description	Qty.
87780	1/4" liquid line w/ 1/4" insulation & 3/8" suction line w/ 1/4" insulation	1
87785	1/4" liquid line w/ 1/4" insulation & 1/2" suction line w/ 3/8" insulation	1

FEATURES

- 65' rolls can be freely cut
- Tough, coated insulation will not tear

Application • For air conditioning & refrigeration installations using R410A, R22, etc. • Saves time and labor on mini-split installs & retrofits



Condensate Management

Compressor Maintenance

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Air Conditioning Chemicals

Heating Chemicals

Other Related Products

Locking Refrigerant Caps

Novent® •

GasGuard™ •





NOVENT® LOCKING REFRIGERANT CAPS

Dual protection. Simple key style installation.



It's in the Code. Effective 2009, the International Mechanical Code and International Residential Code now require that all outdoor access ports on A/C Refrigerant circuits be made tamper resistant.

International Mechanical Code 1101.10 - Locking access port caps. "Refrigerant circuit access ports located outdoors shall be fitted with locking-type tamper resistant caps."

International Residential Code M1411.6 - Locking access port caps. "Refrigerant circuit access ports located outdoors shall be fitted with locking-type tamper resistant caps."

Novent® Starter Pack

Caps & keys

Code	Description	Qty.
86668 (NG-STARTPACK)	(3) R22, (3) R410 caps & (1) Multikey	10
86680 (NP-STARTPACK)	(6) R410 caps & (1) Multikey	10
86690 (NS-STARTPACK)	(6) UNI caps & (1) Multikey	10

FEATURES

- Resists crushing & removal without key
- Corrosion resistant anodized aluminum
- Integral neoprene O-ring resists oils & sealants
- Torque limiter prevents overtightening

Application • Seals standard Schrader service valves on all central A/C units and mini-splits to help prevent refrigerant leakage • Protects from serious injury or death resulting from the inhalation of dangerous gases

Recommended for

- All types of refrigerants;
- Color coded caps and embossed ID prevent refrigerant gas mixing

- 1/4" Thread **Silver**
- 1/4" Thread **Pink**
- 1/4" Thread **Green**

Patent No. 6,612,455



Novent® Keys

Special removal tool

Code	Description	Qty.
86698 (NVMULTIKEY)	Multikey blister	20
86688 (NP-R410SDT)	Pink screwdriver	20
86660 (NG-R22-SDT)	Uni & green screwdriver	20

FEATURES

- Selection of installation tools available
- Corrosion resistant

Application • Patented Novent Caps are precision machined from high grade brass surrounded by a protective aluminum shroud and can only be installed and removed with a special tool

Recommended for

- All types of refrigerants

Patent No. 6,612,455



NOVENT® LOCKING REFRIGERANT CAPS

Continued

Novent® Silver

Any gas, 1/4" thread, key

Code	Description	Qty.
86692 (NP-UNI)	2 cap blister	20
86691 (NP-UNI)	10 cap blister	10
86693 (NP-UNI)	50 cap box	1
86694 (NP-UNI)	100 pack	1

FEATURES

- Resists crushing & removal without key
- Corrosion resistant anodized aluminum
- Integral neoprene O-ring resists oils & sealants
- Torque limiter prevents overtightening

Application • Seals standard Schrader service valves on all central A/C units and mini-splits to help prevent refrigerant leakage • Protects from serious injury or death resulting from the inhalation of dangerous gases

Recommended for

- Any gas

1/4" Thread **Silver**

Patent No. 6,612,455



Novent® Pink

R410, 1/4" thread & Euro 5/16" thread, key

Code	Description	Qty.
86682 (NP-R410)	2 cap blister 1/4"	20
86681 (NP-R410)	10 cap blister 1/4"	10
86683 (NP-R410)	50 cap box 1/4"	1
86684 (NP-R410)	100 pack 1/4"	1
86672 (NPE-R410)	2 cap blister 1/4"	20
86671 (NPE-R410)	10 cap blister 1/4"	5
86673 (NPE-R410)	50 cap box 1/4"	1

FEATURES

- Resists crushing & removal without key
- Corrosion resistant anodized aluminum
- Integral neoprene O-ring resists oils & sealants
- Torque limiter prevents overtightening

Application • Seals standard Schrader service valves on all central A/C units and mini-splits to help prevent refrigerant leakage • Protects from serious injury or death resulting from the inhalation of dangerous gases

Recommended for

- R410

1/4" Thread

Pink

5/16" Thread

Patent No. 6,612,455



Novent® Green

R22, 1/4" thread, key

Code	Description	Qty.
86662 (NG-R22)	2 cap blister	20
86661 (NG-R22)	10 cap blister	10
86663 (NG-R22)	50 cap box	1
86664 (NG-R22)	100 pack	1

FEATURES

- Resists crushing & removal without key
- Corrosion resistant anodized aluminum
- Integral neoprene O-ring resists oils & sealants
- Torque limiter prevents overtightening

Application • Seals standard Schrader service valves on all central A/C units and mini-splits to help prevent refrigerant leakage • Protects from serious injury or death resulting from the inhalation of dangerous gases

Recommended for

- R22

1/4" Thread **Green**

Patent No. 6,612,455





GASGUARD™ KEYLESS LOCKING REFRIGERANT CAPS

The simplest way to comply with IMC & IRC codes for protection against refrigerant gas misuse.

GasGuard™ Universal

Code	Description	Qty.
86640	1/4" Universal Socket Tool / 2 Free Caps	10
86642	1/4" 2 pack	10
86641	1/4" Uni 10 cap blister	10
86643	1/4" Uni 50 cap pack	1
86646	1/4" Uni 100 cap pack	1
86650	5/16" Universal Socket Tool / 2 Free Caps	10
86621	5/16" Uni 10 cap blister	10
86622	5/16" 2 pack	10

FEATURES

- Resists crushing & removal without socket tool
- Corrosion resistant stainless steel
- Locking cap has no keyhole to clog
- Integral neoprene O-ring resists oils & sealants

Silver, 1/4" thread & 5/16" thread, socket

Application • Seals standard Schrader service valves on all central A/C units and mini-splits to help prevent refrigerant leakage

- Protects from serious injury or death resulting from the inhalation of dangerous refrigerants

Recommended for

- Any gas

1/4" Thread

5/16" Thread

Patent Pending

Silver



GasGuard™ R410

Pink, 1/4" thread, socket

Code	Description	Qty.
86630	1/4" R410 Socket Tool / 2 Free Caps	10
86632	1/4" 2 pack	10
86631	1/4" R410 10 cap blister	10
86633	1/4" R410 50 cap pack	1
86636	1/4" R410 100 cap pack	1

FEATURES

- Resists crushing & removal without socket tool
- Corrosion resistant stainless steel
- Locking cap has no keyhole to clog
- Integral neoprene O-ring resists oils & sealants

Application • Seals standard Schrader service valves on all central A/C units and mini-splits to help prevent refrigerant leakage

- Protects from serious injury or death resulting from the inhalation of dangerous refrigerants

Recommended for

- R410

1/4" Thread

Pink

Patent Pending



GasGuard™ R22

Green, 1/4" thread, socket

Code	Description	Qty.
86610	1/4" R22 Socket Tool / 2 Free Caps	10
86612	1/4" 2 pack	10
86611	1/4" R22 10 cap blister	10
86613	1/4" R22 50 cap pack	1
86616	1/4" R22 100 cap pack	1

FEATURES

- Resists crushing & removal without socket tool
- Corrosion resistant stainless steel
- Locking cap has no keyhole to clog
- Integral neoprene O-ring resists oils & sealants

Application • Seals standard Schrader service valves on all central A/C units and mini-splits to help prevent refrigerant leakage

- Protects from serious injury or death resulting from the inhalation of dangerous refrigerants

Recommended for

- R22

1/4" Thread

Green

Patent Pending





GASGUARD™ KEYLESS LOCKING REFRIGERENT CAPS

Continued

GasGuard™

Socket Tool

Code	Description	Qty.
86608	1/4"	10
86609	5/16"	10

FEATURES

- Installation and removal of GasGuard™ Caps
- No keyhole to clog

Application • Available to fit both 1/4" and 5/16" schrader valve threads • Simply place cap in socket to install, reverse to remove



Combo Tool for Novent® and GasGuard™

4 in 1 Refrigerant Gas Cap Key

Code	Description	Qty.
86606	Gas Cap Key	10

FEATURES

- 4 in 1 key
- One key for both Novent® and GasGuard™

Application • Use for both Novent and GasGuard 1/4" and 5/16" refrigerant caps



Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Lineset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products

Equipment Mounting

Big Foot® Mounting •

Frame Supports •

Universal Brackets •

Risers •





BIG FOOT SYSTEMS® EQUIPMENT MOUNTING

Heavy duty framework systems for flat roof equipment mounting



The Advantage of Big Foot Systems.

The industry standard

Big Foot Systems sets the industry standard for free standing flat roof equipment mounting of air conditioning, refrigeration and other associated services.

The system is modular and completely flexible. There are no limits to what can be supported with a Big Foot System. Mounting is strong, secure, flexible, vibration absorbing, and leak proof. Installation is quick, clean, practical and aesthetically pleasing. Our free-standing design makes roofing repairs simpler and resurfacing less costly.

Removable legs

Big Foot system legs can be removed individually. Costly removal of equipment is unnecessary when re-roofing or resurfacing.

Optimum weight distribution

The Big Foot base is designed to transfer weight beyond the center stress point.

Optimum strength and longevity

The Big Foot base is made of glass filled Nylon with UV protection. Frameworks are hot dip galvanized for all weather protection.

Quiet durability

An independent anti-vibration mat is provided for each foot.

Quick on-site leveling

The legs allow for vertical height adjustment to permit easy leveling. A stepped roof option is available.

Reduced risk of roof leaks

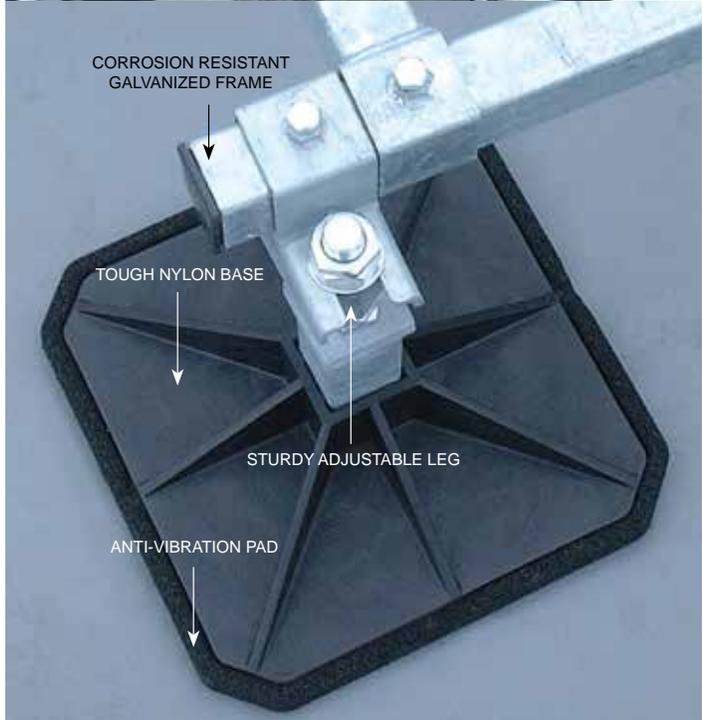
The Big Foot System does not penetrate the waterproof membrane, eliminating difficult flashing around concrete structures. The roofing system warranty is never compromised.

Architecturally friendly

Big Foot clean contemporary framework suspends roofing equipment above the roof surface, allowing for a simpler, more flexible roof design.

Custom Frameworks

For larger, more complex projects, Big Foot offers custom frame design service. Contact RectorSeal 1-800-231-3345



Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Liner Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products

BIG FOOT SYSTEMS® EQUIPMENT MOUNTING
Standard framework.



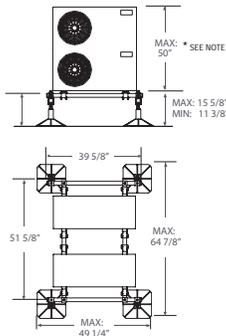
All standard Big Foot Systems include

- Galvanized frameworks for all weather protection
- Adjustable leg height for easy leveling
- Glass filled nylon bases for strong support an optimum weight distribution
- Anti-vibration mats for firmer, quieter operation
- Galvanized clamps for equipment lock-down

40" Standard Frameworks

4 Pad Frameworks, Max load - 1056 lbs.

Code	Description	Qty.
87701	(RES4840) 4 pad framework	1



SYSTEM COMPONENTS

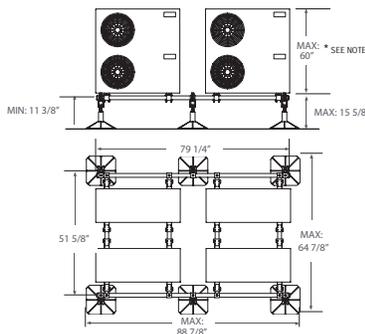
- (2) Plain Bars 1 5/8" x 39 5/8"
- (2) Cross Bars 1 5/8" x 46 7/8"
- (4) Leg Assemblies
- (4) AV Mats 12" x 12"
- (2) Clamp Kits



80" Standard Frameworks

6 Pad Frameworks, Max load - 1584 lbs.

Code	Description	Qty.
87702	(RES4880) 6 pad framework	1



SYSTEM COMPONENTS

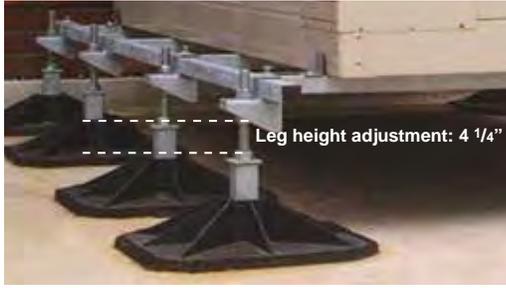
- (2) Plain Bars 1 5/8" x 79 1/4"
- (2) Cross Bars 1 5/8" x 46 7/8"
- (6) Leg Assemblies
- (6) AV Mats 12" x 12"
- (4) Clamp Kits



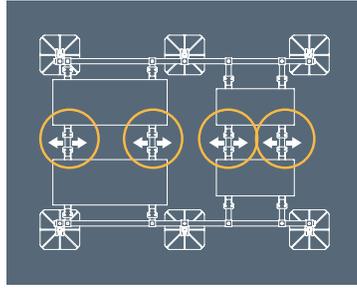
Big Foot is a registered trademark of Aspen Pumps Limited Company UK
Big Foot Systems is a registered trademark of Aspen Pumps Limited Company UK

BIG FOOT SYSTEMS® EQUIPMENT MOUNTING

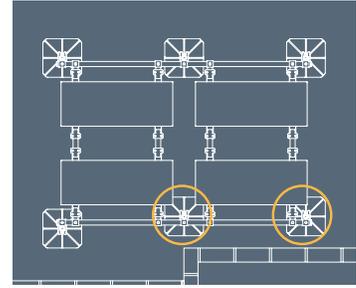
Standard framework continued.



Equipment Clamps are moveable and located on both sides of the cross-bars. Clamps lock down onto the feet of the equipment units as they are tightened.



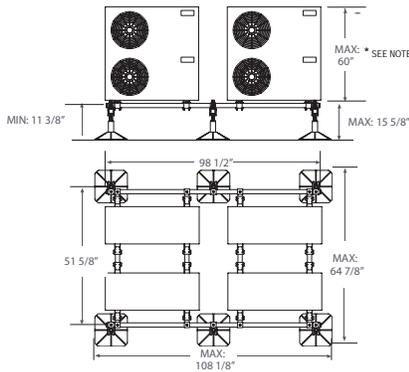
Linear Adjustment The cross bars supporting the equipment unit can slide along the end bars into position required, then be locked in place.



Leg Assembly Positioning The leg assembly is typically positioned outside the frame work, but can be placed inside the framework to avoid an obstruction.

100" Standard Frameworks

Code	Description	Qty.
87703	(RES48100) 6 pad framework	1



6 Pad Frameworks, Max load - 1584 lbs.

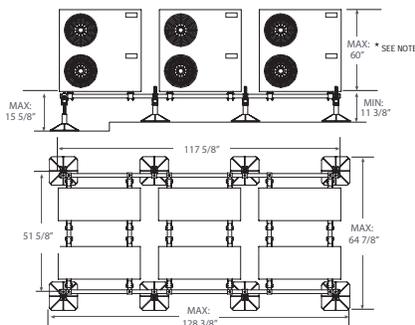
SYSTEM COMPONENTS

- (2) Plain Bars 15/8" x 98 5/8"
- (4) Cross Bars 15/8" x 46 7/8"
- (6) Leg Assemblies
- (6) AV Mats 12" x 12"
- (4) Clamp Kits



120" Standard Frameworks

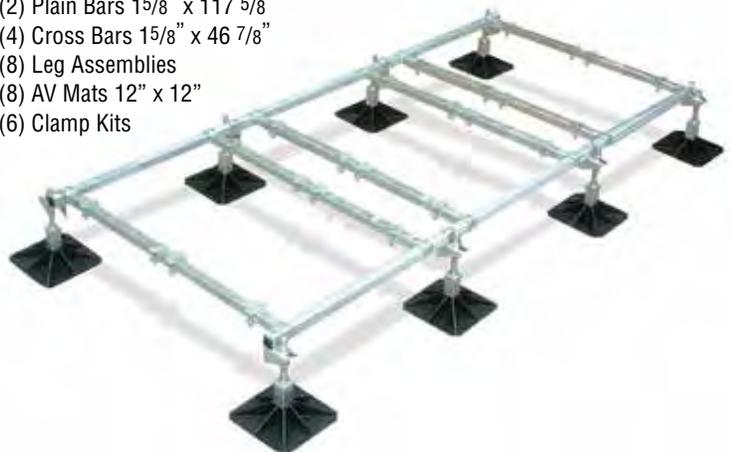
Code	Description	Qty.
87704	(RES48120) 8 pad framework	1



8 Pad Frameworks, Max load - 2112 lbs.

SYSTEM COMPONENTS

- (2) Plain Bars 15/8" x 117 5/8"
- (4) Cross Bars 15/8" x 46 7/8"
- (8) Leg Assemblies
- (8) AV Mats 12" x 12"
- (6) Clamp Kits



Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Liner Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products

BIG FOOT SYSTEMS® FRAME SUPPORTS

Multi Foot

Frame support ideal for smaller systems

Code	Description	Qty.
87711 (RSP16)	16" Multi Foot	1
87712 (RSP24)	24" Multi Foot	2

FEATURES

- Strong and Lightweight
- Weather resistant PVC - Rubber/PVC
- Linear track holds 1/2" hex head bolts
- Two 7/8" long bolts included

Max load capacity:
RSP16 - 572 lbs.
RSP24 - 1045 lbs.

87711	87712
H = 3 3/4"	H = 3 3/4"
W = 7"	W = 8 3/4"
L = 15 3/4"	L = 24"



H-Frame

Accepts standard 1 5/8" strut, optimum support

Code	Description	Qty.
87713 (RSPD12)	H-Frame Kit w/ 12" Square	1
87714 (RSPD18)	H-Frame Kit w/ 18" Square	1
87715 (RSPD24)	H-Frame Kit w/ 24" Square	1

FEATURES

- Ideal rooftop support of equipment & systems
- Weather resistant
- Recycled crumb rubber pad
- Accepts one 5/8" strut (not included)
- Build custom frames and supports

Max load capacity:
RSPD12 - 661 lbs.
RSPD18 - 1100 lbs.
RSPD24 - 1100 lbs.

87713	87714	87715
H = 3 1/2"	H = 4 1/4"	H = 4 3/4"
W = 13"	W = 19"	W = 25 1/4"
L = 13"	L = 19"	L = 25 1/4"



Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Lineset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products



POLYMER & RUBBER RISERS

Polymer Risers

Simple lightweight raised mounting support

Code	Description	Qty.
87761 (PR-351N-I)	14" Polymer Riser	20
87762 (PR-351N-M)	18" Polymer Riser	20
87763 (PR-351N-L)	39" Polymer Riser	4
87765 (PRC-351N)	End Caps	1 Pair

FEATURES

- Ideal for piping, duct runs, cable trays and condensers
- Weather resistant PVC
- Linear track holds 3/8" hex head bolts
- Two 7/8" long bolts included

Max load capacity: PR-351N-I - 308 lbs.
PR-351N-M - 397 lbs. PR-351N-L - 880 lbs.



Fix-It-Foot

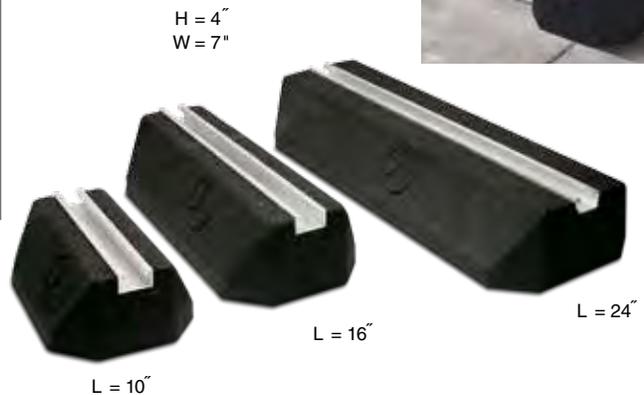
Additional vibration isolation and stability

Code	Description	Qty.
87771 (RMB10)	Fix-It-Foot 10"	1
87773 (RMB16)	Fix-It-Foot 16"	1
87775 (RMB24)	Fix-It-Foot 24"	1
87776 (RMB40)	Fix-It-Foot 40"	1

FEATURES

- Ideal for rooftop support of equipment & systems
- Weather resistant
- Recycled crumb rubber pad
- Recessed underside permits solid stance
- Aluminum track permits the use of standard strut hardware (not included)

Max load capacity: RMB10 - 356 lbs. RMB16 - 572 lbs.
RMB24 - 1045 lbs. RMB40 - 1420 lbs.



Fix-It-Foot Low

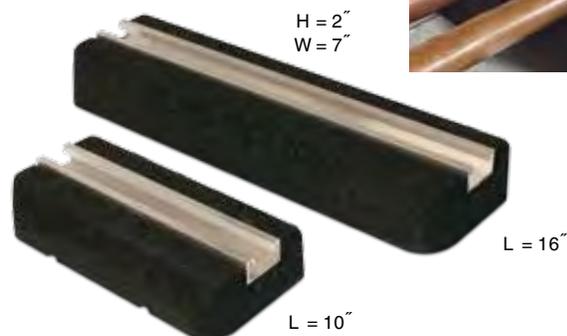
Low profile rubber riser

Code	Description	Qty.
87772 (RMB10L)	Fix-It-Foot Low 10"	1
87774 (RMB16L)	Fix-It-Foot Low 16"	1

FEATURES

- Ideal for rooftop support of equipment & systems
- Weather resistant
- Recycled crumb rubber pad
- Recessed underside permits stability
- Aluminum track permits the use of standard strut hardware (not included)

Max load capacity: RMB10L - 356 lbs. RMB16L - 572 lbs.



Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Lineset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products

UNIVERSAL BRACKETS

Wall Bracket

Sliding cross bar provides exceptional width range

Code	Description	Qty.
87733 (WBB300)	Wall Bracket - powdercoat	1
87734 (WBB300SS)	Wall Bracket - stainless steel	1
87735 (WBB500)	Wall Bracket - powdercoat	1

FEATURES

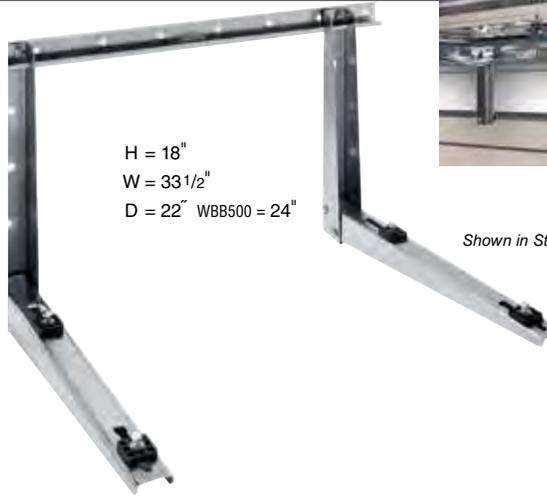
- Strong secure support • Stainless steel or powdercoat finish • Includes level for convenience

Min/Max mounting width: 9³/₄" - 31"

Min/Max mounting depth: 10¹/₂" - 16"

Max load capacity: WBB300 - 300 lbs.

WBB300SS - 300 lbs. WBB500 - 500 lbs.



Shown in Stainless

Wall Bracket

Extra integral cross bracing provides ultimate stability

Code	Description	Qty.
87732 (PCK30)	Wall Bracket	1

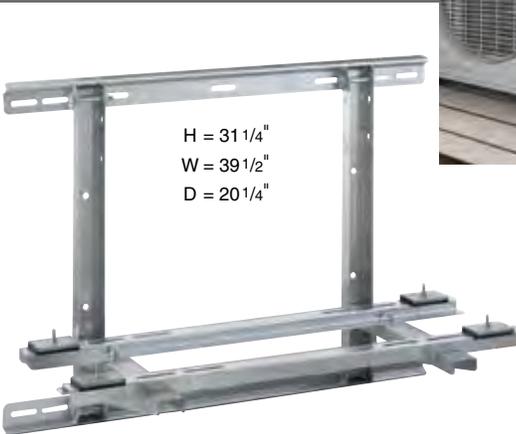
FEATURES

- Ultimate stability • Galvanized finish

Min/Max mounting width: 15³/₄" - 35¹/₄"

Min/Max mounting depth: 9³/₄" - 15"

Max load capacity: 330 lbs.



Under Window Bracket

Ideal for in window mounted A/C support

Code	Description	Qty.
87731 (CBZG)	Under Window Bracket	1

FEATURES

- Strong secure support • Galvanized finish

Min/Max mounting width: 11³/₄" - 27¹/₂"

Min/Max mounting depth: 6¹/₄" - 13"

Max load capacity: 176 lbs.



H = 11 1/4"
W = 29 1/2"
D = 16 3/4"

UNIVERSAL BRACKETS

Continued

Hanger Bracket

Suspends equipment under slab or overhang

Code	Description	Qty.
87748 (C-DG3)	Hanger Bracket	1

FEATURES

- Strong secure support • Powdercoat finish
- Min/Max mounting width: 12" - 28"
- Min/Max mounting depth: 6" - 13"
- Max load capacity: 176 lbs.



Slab Stand

Raises equipment up above flat surface

Code	Description	Qty.
87743 (CNG)	Slab Stand - powdercoat	1
87746 (PCNG63)	Slab Stand - galvanized	1

FEATURES

- Anti-slip rubber feet • Galvanized or powdercoat finish
- Min/Max mounting width: 87743 - 11³/₄" - 27¹/₂"
87746 - 28³/₄" - 38¹/₂"
- Min/Max mounting depth: 87743 - 6¹/₄" - 13¹/₄"
87746 - 23¹/₄" - 30¹/₄"
- Max weight capacity: 87743 - 176 lbs. 87746 - 440 lbs.



Individually adjustable legs for uneven surfaces

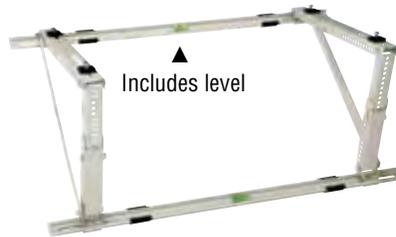
Slope Stand

Provides level mounting surface on sloped roofs

Code	Description	Qty.
87745 (WRB250)	Wall Bracket	1

FEATURES

- Levels slopes up to 45° or 12" pitch
- Powdercoat finish
- Min/Max mounting width: 6" - 35"
- Min/Max mounting depth: 10" - 19"
- Max load capacity: 250 lbs.



Includes level



Duplex Stand

Securely mounts two condenser units

Code	Description	Qty.
87744 (CWGL)	Duplex Stand	1

FEATURES

- Sturdy support • Powdercoat finish
- Anti-slip rubber feet
- Min/Max mounting width: CWGL - 15³/₄" - 31¹/₂"
- Min/Max mounting depth: CWGL - 7⁷/₈" - 15"
- Max load capacity: CWGL - 176 x 2 lbs.



87744
H = 36¹/₄"
W = 17"
D = 36"

Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Lineset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products

Speciality Chemicals

- Thread Sealants •
- Solvent Cements •
- Soldering Fluxes •
- Metacaulk® Firestop •
- Misc. Sealants •





RECTORSEAL® THREAD SEALANTS

The finest thread sealants in the industry formulated by our highly-skilled chemists

RectorSeal® No. 5®

Multi-purpose pipe thread sealant

Code	Description	Qty.
25790	1-¾ oz.	24
25631	¼ pt.	24
25551	½ pt.	24
25431	1 pt.	12
25300	1 qt.	12
25271	1 gal.	4
25191	5 gal.	1
25112	55 gal.	1

Application • Lubricates and protects threaded pipe and fittings • Can be pressurized immediately up to 100 psi for piping up to 2" diameter • Ideal for a wide variety of fluids and gases including potable water

Recommended for • Galvanized Steel
• Iron • Brass • Copper • Aluminum
• Stainless Steel • Polyethylene
• RTRP • PVC



FEATURES

- Soft set / Slow drying
- Lead free
- Smooth application
- 2 year shelf life
- Certified to NSF/ANSI 61-G & 372



Also available in
55 gal. container

Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Lineset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products

RECTORSEAL® THREAD SEALANTS

Continued

RectorSeal® T plus 2®

PTFE enriched pipe thread sealant

Code	Description	Qty.
23710	1-¾ oz.	24
23631	¼ pt.	24
23551	½ pt.	24
23431	1 pt.	12
23391	1 qt.	12
23271	1 gal.	4
23191	5 gal.	1
23112	55 gal.	1



FEATURES

- Non-setting
- Lead free
- 2 year shelf life
- Certified to NSF/ANSI 61-G & 372

Application • Contains PTFE & synthetic fibers for superior performance • Can be pressurized immediately following application

Recommended for • Galvanized Steel • Iron • Brass • Copper • Aluminum • Stainless Steel • Polyethylene • RTRP • PVC • CPVC • ABS



Also available in 55 gal. container

RectorSeal® Tru-Blu™

Vibration resistant pipe thread sealant

Code	Description	Qty.
31780	1-¾ oz.	24
31631	¼ pt.	24
31551	½ pt.	24
31431	1 pt.	12
31300	1 qt.	12



FEATURES

- Fast drying / Flexible set
- Contains PTFE
- Lead free
- 2 year shelf life
- Certified to NSF/ANSI 61-G & 372

Application • For high vibration environments such as refrigeration and industrial applications

- Designed for sealing vibration prone NPT connections

Recommended for • Galvanized Steel • Iron • Brass • Copper • Aluminum • Stainless Steel • PVC • Polyethylene • Reinforced fiberglass



RectorSeal® No. 7

Corrosive chemical pipe thread sealant

Code	Description	Qty.
17432	1 pt.	4

FEATURES

- Soft Set
- Lead free

Application • Slow drying sealant for use with lines carrying corrosive chemicals: diluted acids, caustics and other chemical solutions

Recommended for • Galvanized Steel • Iron • Brass • Copper • Aluminum • Stainless Steel



*FBC™ System Compatible™ indicates that this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with FlowGuard Gold®, BlazeMaster® and Corzan® pipe and fittings.
**FBC®, FlowGuard Gold®, BlazeMaster® and Corzan® are licensed trademarks of the Lubrizol Corporation.



RECTORSEAL® SOLVENT CEMENTS

Jim™ PR-1L ○ Purple - hi-etch primer

Code	Description	Qty.
55910	¼ pt.	24
55912	½ pt.	24
55914	1 pt.	12
55918	1 qt.	12
55920	1 gal.	4



(pw-g-dwv)



FILE NO. 4585

FEATURES

- Fast acting
- Superior bonding
- LEED compliant
- 2 year shelf life
- Low-VOC
- Meets ASTM F656 specs
- Certified to NSF/ANSI 61-G

Application • Prepares surfaces for superior bonding strength • For use on PVC and CPVC pipe, tubing and socket-type fittings in both schedule 40 and schedule 80

Recommended for

- Potable water • Pressure pipe
- Gas • Conduit • Sewers
- DWV systems



Gene™ 404L ○ Clear - regular body PVC solvent cement

Code	Description	Qty.
55901	¼ pt.	24
55902	½ pt.	24
55904	1 pt.	12
55906	1 qt.	12
55908	1 gal.	4



(pw-g-dwv-wm)



FILE NO. 1796

FEATURES

- Fast setting formula
- LEED compliant
- NSF approved for potable water
- 2 year shelf life
- Exceeds ASTM D2564
- Certified to NSF/ANSI 61-G

Application • Polyvinyl chloride (PVC) solvent cement used for joining PVC pipe and socket-type fittings which meet Class 12454 as defined in ASTM specification D1784 • Schedule 40 up to 2" pressure; up to 4" non-pressure pipe (DWV)

Recommended for

- Potable water
- Pressure pipe • Gas
- Conduit • Sewers
- DWV systems



Hot™ 203L ○ Blue - medium body PVC solvent cement

Code	Description	Qty.
55988	¼ pt.	24
55989	½ pt.	24
55990	1 pt.	12
55993	1 qt.	12
55994	1 gal.	4



(pw-g-dwv-wm)



FILE NO. 1796

FEATURES

- Fast drying
- Excellent in cold weather
- LEED compliant
- 2 year shelf life
- Meets ASTM D2564 specs

Application • Polyvinyl chloride (PVC) solvent cement joins both rigid and flexible PVC pipe and socket-type fittings which meet Class 1245 as defined in ASTM specifications D1784 • For all rigid PVC classes up to 6" schedule 40 and 1-¼" schedule 80

Recommended for

- Irrigation • Pools
- Spas • Potable water
- Pressure pipe • Gas
- Conduit • Sewers
- DWV systems
- Flexible PVC hose



Also available in gal. can



RECTORSEAL® SOLDERING

Nokorode® Regular

Multi-purpose paste flux

Code	Description	Qty.
14000	1.7 oz.	48
14010	4 oz.	24
14020	8 oz. tool box	24
14030	1 lb.	12



FEATURES

- Lead Free
- Cleans & fluxes all at one time
- Safe for potable water systems
- Certified to NSF/ANSI 61-G & 372
- Meets O-F-506 Type 1A & A-A-51145, MIL-F-4995-2 specs

Application • All purpose, soft soldering paste flux with a special oil base that protects the solder against corrosive attack

- Non-aggressive formula. Ideal for copper and brass fittings

Recommended for

- All solder alloys including 95/5 and lead free



Rectorshield™

Heat absorption paste

Code	Description	Qty.
83554	11 oz. tube	24

FEATURES

- Biodegradable
- Odorless

Application • A heat absorption paste to help prevent damage to sensitive controls, valves, plastic faucet parts, equipment and other soldered connections

- Reduces heat transfer by absorbing thermal energy from heat and flames

Recommended for

- Copper
- Other types of metal pipe



Open Mesh Sandcloth

Code	Description	Qty.
61760	5 yd.	50
61759	10 yd.	50
61758	25 yd.	20

FEATURES

- Reuseable
- 100% waterproof
- Tear-resistant nylon backing

Reuseable waterproof abrasion

Application • A premium abrasive, waterproof material with top quality performance

- If the material becomes loaded with fillings, simply rinse in water and tap out.

Recommended for

- Copper



Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Lineset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products



METACAULK® FIRESTOPPING SOLUTIONS

A full line of sealants to meet all your firestopping applications

Metacaulk® 1000

Intumescent, water-based firestop sealant

Code	Description	Qty.
66640	10.3 oz. cartridge	12
66303	30 oz. cartridge	12
66312	20.2 oz. sausage pack	12
66305	1 gal.	4
66307	2 gal.	1
66309	5 gal.	1

Application • Will prevent the spread of fire through joint openings and through-penetrations • No dilution or mixing required • Can be used in areas with some movement • Use in fire-rated gypsum wallboard partitions, concrete walls or floors, wood floors and concrete or corrugated steel deck floor/ceiling assemblies

Recommended for • Metal • Insulated pipes
 • Fiberglass & plastic pipes • Wall construction joints
 • Power & telephone cables



FEATURES

- UL Classified systems up to 4 hrs
- Highly intumescent
- Excellent freeze-thaw
- For interior use - paintable
- VOC compliant
- STC rating 62
- Meets ASTM E 814, UL 1479 & UL 2079 standards



See ordering chart for container sizes available

FBC™ System Compatible indicates that this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with FlowGuard Gold®, BlazeMaster® and Corzan® pipe and fittings.

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Condensate Management

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METACAULK® FIRESTOPPING SOLUTIONS

Continued

Condensate Management

Compressor Maintenance

Air Diffusers

Linesets & Linset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products

Metacaulk® MC 150+

General purpose firestop sealant

Code	Description	Qty.
66648	10.3 oz. cartridge	12
66383	30 oz. cartridge	12
66385	20.2 oz. sausage pack	12
66389	5 gal.	1



FEATURES

- Water-based - VOC compliant
- STC rating 51
- Freeze-thaw
- Use for most common applications

Application • One component, general purpose fire-rated sealant and smoke seal for construction joints and through-penetrations on both horizontal and vertical surfaces

- Non-sag caulking grade sealant that is easy to apply as well as to retrofit
- Suitable for dynamic movement

Recommended for

- Metal
- Insulated pipes
- Fiberglass and plastic pipes
- Wall construction joints
- Power and telephone cables



Metacaulk® 350i

Elastomeric seal firestop sealant

Code	Description	Qty.
66616	10.3 oz. cartridge	12
66611	20.2 oz. sausage pack	12
66613	5 gal.	1



FEATURES

- Sound rated
- Excellent freeze-thaw
- STC rating 53

Application • One component, general purpose sealant and smoke seal

- Intumescent, water-based, non-sag caulking grade sealant that is easy to apply and great for retrofits
- Suitable for dynamic movement

Recommended for

- Metal
- Insulated
- Fiberglass & plastic pipes
- Wall construction joints
- Power & telephone cables



Metacaulk® 835+

Elastomeric, silicone firestop sealant

Code	Description	Qty.
66645	10.15 oz. cartridge	12
66019	5 gal.	1



FEATURES

- Exterior / Interior use
- Water resistant
- STC rating 55

Application • Used in areas under constant vibration or movement

- Resistant to chemical exposure

Recommended for • PVC pipe on closed (pressure) systems

- EMT
- Insulated and uninsulated steel pipe
- Construction and control joints
- Interior expansion joints

Also available in 5 gal. pail





RECTORSEAL® MISC. SEALANTS

RectorSeal® RS 136

Fireblock / smoke seal caulk

Code	Description	Qty.
66408	10.3 oz. cartridge	12



FEATURES

- Easy application
- Interior applications only
- Water clean-up

Application • General purpose, residential acoustical fireblock

Recommended for

- Electrical • Plumbing • Plastic pipe
- Telephone communication systems penetrations



RectorSeal® Silicone Sealant

General purpose

Code	Description	Qty.
57505	10.3 oz. tube - white	12
57506	10.3 oz. tube - clear	12

FEATURES

- Remains flexible
- Vibration resistant
- Indoors/outdoor

Application • Ideal for general sealing

- Dries to touch in 30 minutes and fully cures in 24 hours

Recommended for

- Around electrical panels • Windows • Doors
- Pipes/vents • Corner joints • Aluminum siding
- Other interior / exterior building materials



RectorSeal® Hi-Temp™

100% RTV silicone caulk

Code	Description	Qty.
57500	10.1 oz. cartridge	24

FEATURES

- One component
- USDA specs for use in federally inspected meat and poultry plants
- F.D.A. reg #21 CFR 177.2600
- TT-S-001543A (COM-NBS) Class A
- TT-S00230C (COM-NBS) Class AA
- MIL-A-46106B Amend 3, Type 1
- Canadian 19-GP-9MA, Type 1

Application • Cures to a strong durable resilient rubber

Recommended for • Glass • Clean metal • Most types of non-oily wood • Vulcanized silicone rubber • Silicone resins

- Natural and synthetic fiber • Ceramic • Paper
- Many painted and plastic surfaces



Condensate Management

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Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products

Air Conditioning Chemicals

- Coil Cleaners •
- Leak Locators •
- Cleaners & Treatments •
- Cooling Tower Treatments •
- Evaporative Cooler Treatments •





COIL CLEANERS

K.O. Dirt Blaster™

Dirt and grease stripper

Code	Description	Qty.
88438	20 oz. aerosol	12

FEATURES

- Dissolves grease quickly
- Quick drying
- Pressure washes small condenser coils without a water rinse
- Non-flammable
- No CFC's



Application

- Quickly dissolves grease
- Non-conductive so will not short out electrical equipment
- Effective on restaurant grease and other greasy surfaces

Recommended for

- Refrigeration coils
- Oil burner surfaces
- Machine parts
- Switches
- Relays
- Circuit breakers
- Motors
- Electrical components

Clean-N-Safe™

Condenser & evaporator coil cleaner

Code	Description	Qty.
83780	20 oz. aerosol	12

FEATURES

- Deep cleaning foam
- Non-acid
- Reduces energy cost
- Environmentally friendly
- Biodegradable



Application

- Effectively cleans and removes soils
- Foam powers off dirt and build-up without chemically attacking (corrode) coils, surrounding metal, other HVAC equipment components or adjacent roofing materials

Recommended for

- Air conditioning
- Refrigeration
- Heat pump coils

Condensate Management

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Heating Chemicals

Other Related Products

COIL CLEANERS

Continued

Con-Coil™

Foaming acid coil cleaner

Code	Description	Qty.
82622	1 gal.	4
82624	5 gal.	1
82628	55 gal.	1

FEATURES

- Removes contaminants
- Brightens as new

Application • Adhering foam lifts insulating contaminants & dulling oxide film in less than 5 minutes

Recommended for

- Finned air-cooled condenser coils
- Electronic air filters • Aluminum • Copper



Renewz™

Foaming non-acid coil cleaner

Code	Description	Qty.
82644	1 gal.	4
82646	5 gal.	1
82650	55 gal.	1
82652	14 oz. aerosol	12

FEATURES

- High foaming
- Brightener

Application • Leaves aluminum bright, shiny and clean in less than 5 minutes

- Loosens material in hard-to-reach places

Recommended for

- Air-cooled condenser coils • Aluminum
- Cooking grease • Electronic air filters



Coil-Rite™

Evaporator coil cleaner

Code	Description	Qty.
82612	1 gal.	4
82614	5 gal.	1
82618	55 gal.	1

FEATURES

- Non-acid
- Non-flammable

Application • Self-rinsing cleaner and degreaser • Lifts grime and oil from normally inaccessible places

Recommended for

- Evaporator and condenser coils • Air conditioning and air handling equipment
- Electronic & permanent air filters



Foam-A-Coil™

Foaming condenser & evaporator coil cleaner

Code	Description	Qty.
82632	1 gal.	4
82634	5 gal.	1
82638	55 gal.	1
82640	12 oz. aerosol	12

FEATURES

- Non-acid
- Non-flammable

Application • Foaming biodegradable cleaner and degreaser • Lifts grime and oil from normally inaccessible places

Recommended for

- Evaporator and condenser coils • Air conditioning and air handling equipment
- Electronic & permanent air filters



Condensate Management

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Other Related Products

COIL CLEANERS

Continued

Desolv™ Mini-split Evaporator Coil and Blower Fan Cleaner.

Code	Description	Qty.
82565	Desolv Solution (1 gallon)	6

Features

- Safe to Use
- Concentrated
- Will Not Corrode Parts
- Completely Biodegradable

Application • Powers off dirt and build up from air conditioning, refrigeration and heat pump coils safely and effectively. • Reduces energy cost by increasing the efficiency of the A/C system.



Desolv™ Cleaning Kit Mini-split Evaporator Coil Cleaning Kit

Code	Description	Qty.
82560	Desolv Kit with 2 Funnel Bags	1
82562	Desolv Funnel Bags	10

Kit Contents

- Desolv Cleaning Solution (1 gal.)
- C-Band Frame Assembly
- Funnel Bags (2)
- Drain Pail (5 gal)
- Installation Instructions

Application • Use to deep clean the indoor evaporator of mini-split A/C units that are located in areas where wall and floor protection are necessary. Kit is reusable. Desolv Solution and Funnel Bags are also sold separately.



CLEANERS & TREATMENTS

Ice Machine Cleaner Food Grade & Nickel-Safe

Code	Description	Qty.
88312	16 oz.	12
88314	1 gal.	4

Application • Removes scale, muck and slime which can cause bad taste and foul odors • Food-grade acid cleaner opens constricted water lines

Recommended for

- Metal & plastic surfaces

FEATURES

- Assures clean, fresh-tasting ice
- Safe for nickel-plated surfaces
- Meets Manitowoc Spec GES-6



Liquid Descalit™ Scale remover

Code	Description	Qty.
90902	1 gal.	4
90904	5 gal.	1

Application • An economical scale and lime dissolver with patented corrosion inhibitors

Recommended for

- Heavily-scaled equipment
- Cooling towers • Condensers
- Water heaters

FEATURES

- Anti-foaming
- Color changing strength indicator





LEAK LOCATORS

Detect gas leaks in pipes or tank systems.

Better Bubble™

Gas leak locator

Code	Description	Qty.
65554	8 oz. - dauber top	12
65432	32 oz. - trigger spray	12
65273	1 gal.	4



FEATURES

- Fast acting
- Long lasting
- Easy to see bubbles
- Continuous bubbling

Application • Thick formula pinpoints the smallest natural gas, LPG and A/C refrigerant leaks with well defined elastic bubbles that stand up under pressure and windy conditions • Use on surface temperatures from 20°F to 250°F

Recommended for • All types of pipe, tubing, valves, tanks, pressure vessels, condenser / evaporator coils, refrigeration coils, and many other similar applications



*FBC™ System Compatible™ indicates that this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with FlowGuard Gold®, BlazeMaster® and Corzan® pipe and fittings.

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RectorSeek™ Low-Temp

Low temperature leak locator

Code	Description	Qty.
61554	8 oz. dauber top	12
61434	16 oz. trigger spray	12
61273	1 gal.	4
61158	5 gal.	1
61111	55 gal.	1

FEATURES

- Longer bubbling action
- Dauber or spray application
- Easy to apply

Application • Leak locator for use on pipes or tanks containing gases at low temperatures • Effective from -35°F to 200°F

Recommended for • Pipes*, tubing, valves, cylinders, tanks, pressure vessels, condenser / evaporator coils, refrigeration coils and many other similar applications

*Call Technical Services for compatibility with plastic pipes.



RectorSeek™ Mid-Temp

Normal temperature leak locator

Code	Description	Qty.
60554	8 oz. dauber top	12
60434	16 oz. trigger spray	12
60273	1 gal.	4
60158	5 gal.	1
60111	55 gal.	1

FEATURES

- Longer bubbling action
- Dauber or spray application
- Easy to apply

Application • Leak locator for use at normal temperature on pipe or tanks that contain gases • Can be used on oxygen, air or gas at temperatures between 40°F to 200°F

Recommended for

• All types of pipe, tubing, valves, cylinders, tanks, pressure vessels, condenser / evaporator coils, refrigeration coils and many other similar applications





COOLING TOWER & EVAPORATIVE COOLER TREATMENTS

CTT™-SM

Self-metering cooling tower treatment

Code	Description	Qty.
68032	16 tablet tube	2

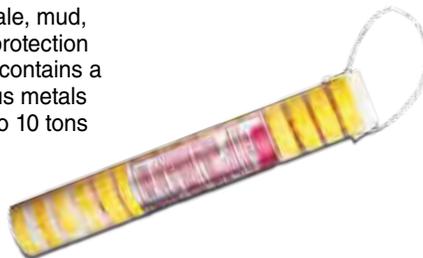
FEATURES

- No special or complicated feeder equipment needed
- Lasts 1-2 months

Application • Controls scale, mud, silt and foaming, provides protection for non-ferrous metals and contains a corrosion inhibitor for ferrous metals

Recommended for

- Cooling towers



CTT™-Tablets

Feeder tablets

Code	Description	Qty.
68036	300 tablet pail	1

FEATURES

- 100% active, non-acidic
- Controls foaming
- For systems up to 400 tons

Application • Prevents hard water mineral scale formation and both ferrous and non-ferrous corrosion

• Suspends mud, dirt and silt which can clog condenser tubes and spray nozzles

Recommended for

- Works in many popular feeders



CTT™-EC

Evaporative Cooler Treatments

Code	Description	Qty.
68030	4 tablet tube	12
68028	300 tablet pail	1

FEATURES

- Improves efficiencies
- Reduces break-downs
- Decreases power costs

Application • When placed in the reservoir, automatically provides water treatment proportionate to operating conditions without feeder equipment

• Prevents hard water mineral scale, ferrous and non-ferrous corrosion, and silt and soil accumulations in evaporative coolers

Recommended for

- Evaporative coolers



Refresh™ Tablets

Evaporative Cooler Treatments

Code	Description	Qty.
68114	4 tablet tube	12
68112	275 tablet pail	1

FEATURES

- Self-metering
- Reduces break-downs
- EPA Reg. no. 51219-1

Application • Eliminates growths and odors in evaporative coolers, humidifiers & air conditioners

• Improves efficiency and reduces costs

Recommended for

- Reservoirs • Drain pans



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Linesets & Lineset Covers

Locking Refrigerant Caps

Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products

Heating Chemicals

Soot Removers •

Fuel Oil Deodorizers & Absorbents •

Boiler Products •





SOOT REMOVERS & BURNER CLEANERS

Sootmaster™ Powder

Remove soot from oil & gas-fired burners

Code	Description	Qty.
68322	1 lb.	12

FEATURES

- Contains no lead

Application • Works both by catalysis and supplying extra oxygen • Applied by scattering or dusting surface with a sprayer

Recommended for

- Oil & gas-fired burners



Sootomagic™

The original soot stick

Code	Description	Qty.
68332	¼ lb. stick	48

FEATURES

- Contains no lead
- Non-corrosive / Non-explosive
- Fits through all combustion chamber openings
- Approved for Connecticut sale

Application • Destroys soot quickly by catalytic low temperature ignition
• Residual soot removal coating works even after stick is consumed

Recommended for

- Oil & gas-fired burners



Sootspray™

The original aerosol soot remover

Code	Description	Qty.
68342	14 oz. aerosol	12

FEATURES

- Contains no lead
- Cuts vacuum time by 50-100%
- Approved for Connecticut sale

Application • Catalytically active for safest possible soot removal
• Reaches where vacuum cleaners can't

Recommended for

- Oil & gas-fired burners



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Other Related Products



FUEL OIL DEODORIZERS & ABSORBENTS

Odorgon™ Powder

Kills odors and absorbs oil

Code	Description	Qty.
68512	1 lb.	12
68514	2 lbs.	12

FEATURES

- Leaves pleasant scent
- Non-explosive / non-flammable

Application • Handy for cleaning up after spills and oil leaks • Sifter top for controlled economical usage and clean storage

Recommended for

- Spills • Oil leaks



Odorgon™ Spray

Kills odors and absorbs oil

Code	Description	Qty.
68516	14 oz. aerosol	12

FEATURES

- Non-lingering, mild scent
- Non-flammable

Application • Kills oil and other industrial odors • Covers vertical surfaces and corners

Recommended for

- Spills • Oil leaks



Neutroda™ Powder

Economic deodorizer & absorbent

Code	Description	Qty.
68502	1 lb.	12

FEATURES

- Very light weight makes volume equal to twice as much as Odorgon™ Powder

Application • An economical version of Odorgon™ Powder, with a different fragrance and absorption system

Recommended for

- Spills • Oil leaks



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Other-Related Products



BOILER PRODUCTS

Water treatments & sealants for steam and hot water systems.

8-Way™

Water treatment for both steam and hot water systems

Code	Description	Qty.
68712	1 qt.	12
68714	1 gal.	4
68716	30 gal.	1

FEATURES

- Will not damage seals and gaskets
- Non-chromate; biodegradable
- No petroleum distillates

Application • Removes sludge
 • Removes rust scale • Inhibits boiler corrosion • Inhibits steam line corrosion • Prevents oxygen pitting • Inhibits lime scale • Prevents surging and foaming • Controls pH with a color indicator

Recommended for

- Boiler water



Sealmaster™

Seals leaks in steam systems

Code	Description	Qty.
68722	1 qt.	12
68724	1 gal.	4

FEATURES

- Stops corrosion
- Will not damage seals and gaskets
- No petroleum distillates

Application • Fills and seals holes, cracks and loose joints in steam boilers

Recommended for

- Steam boilers



Pyroseal™

Furnace & retort cement

Code	Description	Qty.
68612	1-½ lb.	12
68614	3 lb.	12
68616	6 lb.	8
68618	12 lb.	4
68620	25 lb.	1

FEATURES

- Shrink-proof, crack-proof
- Contains no asbestos or OSHA restricted fibers

Application • Smooth, creamy, easy-spreading furnace & retort cement that sticks where applied • For high temperature sealing & bonding

Recommended for

- Combustion chambers
- Furnace doors • Flue pipes



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Heating Chemicals

Other Related Products

BOILER PRODUCTS

Continued

Steammaster™ Tablets

Concentrated, economical treatment

Code	Description	Qty.
68732	36 tab bottle	12

FEATURES

- Will not damage seals and gaskets
- No petroleum distillates
- Built in color-cure indicator assures accurate treatment

Application • Removes and prevents scale and corrosion in steam and hot water systems

Recommended for

- Steam & water systems



Surgemaster™

Boiler water treatment

Code	Description	Qty.
68742	5.3 oz.	12

FEATURES

- Will not damage seals and gaskets
- Inhibits corrosion
- No petroleum distillates

Application • Cures and prevents priming, surging & foaming • Sure-cure color indicator tints boiler water to take the guesswork out of treatment dosage

Recommended for

- Steam boilers



Surgex™

Inhibits scale and corrosion

Code	Description	Qty.
68752	1-½ oz.	20

FEATURES

- Economical

Application • Cure for foaming, surging and priming steam boilers • Concentrated anti-foam formula, color-coded to insure proper treatment

Recommended for

- Steam boilers



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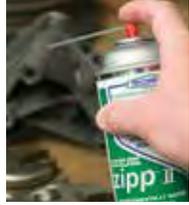
Equipment Mounting

Specialty Chemicals

Air Conditioning Chemicals

Heating Chemicals

Other Related Products



CLEANERS

High-strength degreasers.

Zipp™ Quick drying degreaser

Code	Description	Qty.
82642	14 oz. aerosol	12

FEATURES

- Cleaner / degreaser
- Leaves no residue
- Non-flammable
- Non-conductive

Application • Quick drying, safety solvent degreaser that instantly removes grease, oil, waxes, tar, gums, grime, dirt, carbon, greasy stains, bilge slime and similar soils from most hard surfaces • Will not short out electrical equipment

- Recommended for use** • Oil burner parts
- Compressors • Refrigeration units
 - Greasy fan blades • Strainers • Engines
 - Stoves • Relay contact points
 - Electrical equipment



Zipp™ II Environmentally safer, quick drying degreaser

Code	Description	Qty.
82645	12 oz. aerosol	12

FEATURES

- Cleaner / degreaser
- Leaves no residue
- Non-flammable
- Non-conductive
- Non-chlorinated

Application • Quick drying, safety solvent degreaser that instantly removes grease, oil, waxes, tar, gums, grime, dirt, carbon, greasy stains, bilge slime and similar soils from most hard surfaces • Will not short out electrical equipment • Contains no carbon tet or restricted solvents

- Recommended for use** • Oil burner parts
- Compressors • Refrigeration units
 - Greasy fan blades • Strainers • Engines
 - Stoves • Relay contact points
 - Electrical equipment



Grime-Solv™ Foaming, heavy duty cleaner and degreaser

Code	Description	Qty.
88436	14 oz. aerosol	12

FEATURES

- Safe for metals
- Wipes clean or rinses with water
- Non-flammable
- Non-corrosive

Application • Lifts encrusted grime, grease or carbon • Use to remove stains from concrete driveways and brick walls, to clean white wall tires and for cleaning surfaces before painting

- Recommended for** • Oil burning • A/C and refrigeration equipment • Marine and automotive engines • Machinery that can be rinsed with water or wiped with a rag



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Other Related Products

MISCELLANEOUS

Draft-Block™

Expanding polyurethane foam

Code	Description	Qty.
96500	12 oz. aerosol	12

FEATURES

- Expands 3X
- Tack-free in approx. 45 min.
- No ureaformaldehyde

Application • Excellent filler which bonds and insulates
 • Fill voids, cracks, crevices and small cavities on flat or irregular surfaces • Reduces sound transmission • Totally dielectric



Lets-Go™

Penetrant, lubricant and freeze-up preventer

Code	Description	Qty.
73012	12 oz. aerosol	12

FEATURES

- Loosens frozen bolts, nuts & joints
- Protects from water & weather

Application • Covers metal surfaces with a clinging, tough, long-lasting film of lubricant
 • The wetting power acts quickly on rusted and seized parts
 • Displaces moisture from wiring and equipment



Cold Galvanizing Spray

Protection of hot-dip galvanizing

Code	Description	Qty.
86625	16 oz. aerosol	12

FEATURES

- Stops rust and corrosion
- Indoors or outdoors

Application • Contains 95% pure zinc and forms a tough, durable and flexible zinc metal coating that bonds electrochemically with the base metal to protect against rust and corrosion
 • To prevent and retard rust and corrosion on welded joints, fencing, storage tanks, pipe lines, metal buildings, marine and other similar applications



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Other Related Products

MISCELLANEOUS

Continued

Buz-Awf™ Wasp and hornet spray

Code	Description	Qty.
84390	16 oz. aerosol	12

FEATURES

- High pressure spray
- Non-conductive up to 47KV

Application • Kills wasps, hornets, yellow jackets and bees • E.P.A. REG. NO. 3862-174-51219, E.P.A. EST. NO. 9143-TX-1 • Shoots 20 ft. stream



RectorSeal® EP-200 Epoxy putty

Code	Description	Qty.
97600	2 oz.	24
97601	2 oz. refill	24
97602	Blister card	12
97606	EP-400 4 oz.	12



FEATURES

- Hardens in minutes
- Bonds and fills a variety of materials

Application • Pre-measured, high-grade epoxy and hardener formulated together in one stick

- Break off the amount needed for each repair
- Bonds to most surfaces
- Can be drilled, taped, filed, machined, sanded and painted



RectorSeal® Duct Seal Gray putty compound

Code	Description	Qty.
81880	1 lb.	10
81881	5 lbs.	2



FEATURES

- Air / water tight seal
- Resistant to water, alcohols, mild acids & bases
- Non-corrosive / non-irritant

Application • Permanently soft, non-toxic, putty-type compound which adheres to most clean, dry surfaces

- Can be hand applied from 25°F to 120°F

Recommended for

- Sealing around the ends of electrical conduits and boxes
- Flashings
- Service mast entries



Magne-Patch™ Instantly stops small leaks in steel tanks

Code	Description	Qty.
68442	Blister card	12

FEATURES

- Quickest tank repair available
- Can be reused

Application • A powerful, permanent magnet holds a flexible plug against the hole and against existing pressure

Recommended for

- Steel tanks



GOJO®* Hand cleaner

Code	Description	Qty.
40500	Original 14 oz. tub	12
40507	Natural orange 14 oz.	12

FEATURES

- Safe to use
- Non-toxic
- Biodegradable

Application • Thoroughly and safely cleans adhesives, asphalt, tar and paint

*GOJO is a registered trademark of GOJO Industries



100 Series ClearTrap kits	16	Fix-It-Foot Low	70	LP92	52	SC140	56
100 Series Waterless kits	18	Foam-A-Coil	83	LT122	52	SC77	56
100" Standard Frameworks	68	Fortress Lineset Covers	51	LT92	52	SCF100	56
120" Standard Frameworks	68	GasGuard R22	63	LW122	52	SCF140	56
200 Series SmartTrap kits	17	GasGuard R410	63	LW122	52	SCF77	56
220 Series Overflow Switches	17	GasGuard Socket Tool	64	LW92	52	SD100	56
40" Standard Frameworks	67	GasGuard Universal	63	LWF122	52	SD140	56
600 Series Combo kit	18	Gene404L	76	LWF92	52	SD77	56
80" Standard Frameworks	67	GOJO	94	Magne-Patch	94	SDR10077	56
8-Way	90	Goliath Pans	29	Metacaulk 1000	78	SDR140100	56
Acid-Away	39	Goliath Furnace Pans	32	Metacaulk 350i	79	Sealmaster	90
Acid-Away for POE	39	Goliath Furnace Risers	33	Metacaulk 835+	79	SEN140	56
Acid-Detector	40	Goliath Value Series Pans	30	Metacaulk MC 150+	79	SEN77	56
Acid-Detector for POE	40	Titan	31	microV	11	SF100800	56
Actabs	35	GR2	47	Mighty Bracket	11	SF140800	56
AG-1100+	20	GR2S	47	Mighty Pump	36	SF771000	56
AG-1200+	20	GR3	47	Mini-Split Pump Kits	4	SF77500	56
AG-1250E	21	GR360	47	Multi-Foot	69	SFJ100	56
AG-2510	21	GR360S	47	MV2	47	SFJ77	56
AG-2550E	22	GR3S	47	MV2S	47	SFS100	56
AG-3125E	22	GR4	47	MV3	47	SFS140	56
AG-3150E	23	GR4S	47	MV360	47	SFS77	56
AG-3157	23	GRAB	47	MV360S	47	SG1	56
AG-3175E	24	GRASB	47	MV3S	47	SIF100	56
AG-3177	24	GRASW	47	MV4	47	SIF77	56
AG-3176E	25	GRAW	47	MV4S	47	SJ100	56
AG-3180E	25	GRD2	47	MVAB	47	SJ140	56
AG-4200E	26	GRD3	47	MVASB	47	SJ77	56
AG-4200M	26	GRD360	47	MVASW	47	SK100	56
AG-4250E	27	GRD4	47	MVAW	47	SK140	56
AG-9100	27	GRDAB	47	MVE	47	SK77	56
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AG-9300	28	GRDE	47	MXE	47	SKF140	56
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Aspen Pumps	4	Hot 203L	76	Novent Green	62	Sootspray	88
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Big Foot	66	Ice Machine Cleaner	84	Novent Pink	62	SD140	42
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EZT225	18	LK122	52				
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Through the use of current technology and social media, RectorSeal provides up-to-date technical information and marketing materials.

Company Homepage:

An online hub of readily available resources for our full-line of specialty chemicals and tools including: product codes, MSDS and product data sheets. Promotional literature and artwork can be easily viewed. Trade show scheduling and booth information are also updated frequently.

Social Media:

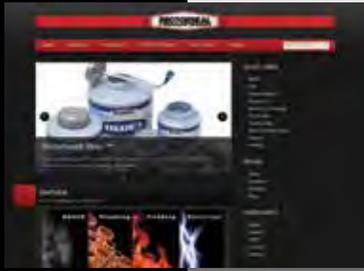
Up to the minute information from RectorSeal regarding new products, press releases, market trends and trade articles are sent directly to your wall, time-line and mobile devices.

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Contact: RectorSeal®

2601 Spenwick Drive, Houston, TX 77055

P 713-263-8001 | 800-231-3345

F 713-263-7577 | 800-441-0051

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