RECTORSEAL®

HVAC-R PRODUCT CATALOG

Condensate Management

Compressor Maintenance

Air Diffusers

Lineset Covers

Refrigerant Locking Caps

Equipment Mounting

Speciality Chemicals

Air Conditioning Chemicals

Heating Chemicals

RECTORSEAL

About RectorSeal

Founded in 1937, The RectorSeal Corporation is a leading manufacturer of specialty products designed for the professional tradesmen. Products are distributed through an extensive wholesale network serving the plumbing, industrial, HVAC-R, construction, electrical and hardware market places.

RectorSeal's headquarters and primary manufacturing is located in Houston, Texas with facilities in Mount Vernon, New York and Fall River, Massachusetts.

Through our commitment to providing quality products and services, The RectorSeal Corporation has steadily grown over the years.

CELEBRATING 75 YEARS
1937 - 2012

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Wholesale Network

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1937 - 2012

RectorSeal's Experienced Professionals provide constant support. Through our partnership with distributors, we assist in promoting RectorSeal products. Qualified Representatives deliver appealing, informative & up-to-date literature. We equip your show room with impressive merchandising & point-of-purchase displays. All literature, product data sheets & MSDS are downloadable at

www.rectorseal.com

Our Knowledgeable Sales Agents provide educational programs for your sales team and customers.

RectorSeal's Staff participates in local, national & global trade shows to unveil innovative new products, pursue unique products to solve industrial problems and expand market horizons.

Training classes are conducted to demonstrate the proper use of our products and to introduce new products to the market. Code Requirements and Industry Standards are reviewed during these sessions. Instructors discuss RectorSeal's unique product advantages. We offer NATE Certified Training CEU's to technicians who are striving to improve their trade skills.

You can trust our Professional Sales Staff to provide support for your market needs. With 75 years of business experience, RectorSeal is dedicated to the success of your organization.

RECTORSEAL

Condensate Management

Aspen® Pumps

Drain Hoses

Safe-T-Switch®

EZ Trap®

Actabs™

Hydrex™

Easy Klear™

Nu Line®

Mighty Pump™

Minisplit Pump Kits

Selecting the correct Aspen pump model for your minisplit installation

Five pump styles

1. Purple Peristaltic
2. Mini/Maxi Orange
3. Mini/Maxi Lime
4. Mini Aqua
5. Mini White®

Four considerations

1. Appearance
A concealed (Aqua) or remote condensate pump (Orange or Purple) will preserve the attractive nature of any minisplit 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 Purple) 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 (Purple).

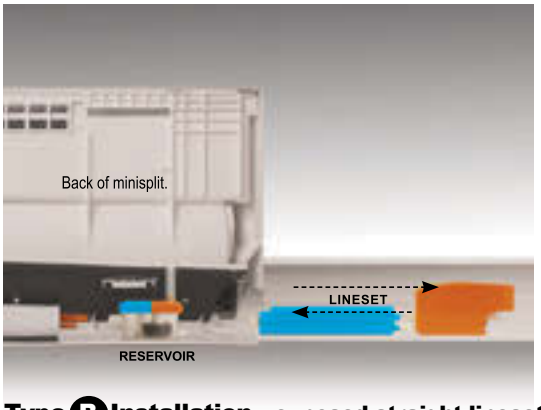
Multiple Benefits

- Quick and easy to install
- Fit any Minisplit, 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 47 dB (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

Type A 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.



Type B Installation - exposed straight lineset

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

AQUA or **ORANGE** - Pump mounts outside the evaporator hidden inside horizontal lineset cover. Reservoir mounts at rear of evaporator, below the drain pan.

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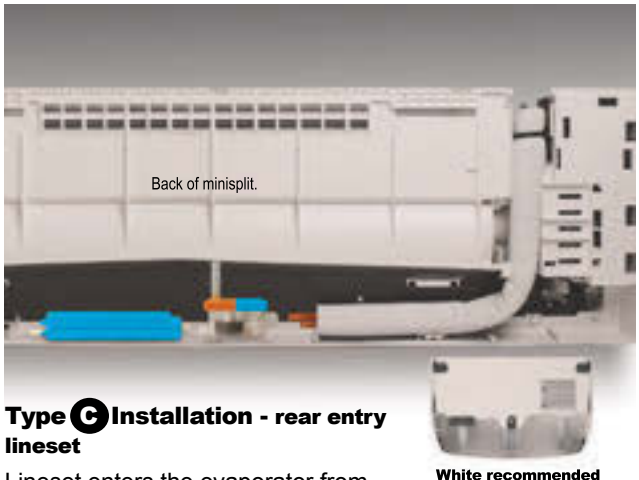
Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

Pump selector guide

	ASP-PERIUNI-230 (83966)	ASP-PERIUNI-115 (83965)	ASP-PERIMECH-230 (83964)	ASP-PERIMECH-115 (83963)	ASP-MO-230 (83904)	ASP-MO-115 (83903)	ASP-MAXO-230 (83902)	ASP-MAXO-115 (83901)	ASP-MO-LG24 (83905)	ASP-MA-230 (83802)	ASP-MA115 (83801)	ASP-MA-UNI (83809)	ASP-MA-LG24 (83803)	ASP-MART-LG24 (83805)	ASP-ML-230 (83837)	ASP-ML115 (83836)	ASP-ML-LG24 (83840)	ASP-MLS-230 (83846)	ASP-MLS-115 (83845)	ASP-MLF-230 (83839)	ASP-MLF-115 (83838)	ASP-ML-OEM-230 (83843)	ASP-ML-OEM-115 (83842)	ASP-ML-OEM-LG24 (83844)	ASP-MAXLS-230 (83833)	ASP-MAXLS-115 (83832)	ASP-MAXLF-230 (83831)	ASP-MAXLF-115 (83830)	ASP-MAXOEM-230 (83835)	ASP-MAXOEM-115 (83834)	ASP-MW-230 (83932)	ASP-MW-115 (83931)
Electrical																																
230V Model	•		•		•		•			•					•			•		•		•			•		•		•		•	
115V Model		•		•		•		•			•					•			•		•		•			•		•		•		•
Univolt Model												•																				
24V Model									•				•	•			•							•								
Overflow Switch			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Reservoir Extension Cable (available)					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
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															•	•	•	•	•	•	•					•	•	•	•			
LG Artcool Picture Unit Sensor Assembly included														•																		
General																																
Inline Reservoir Included (5/8 inlet)			•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Drain Pan Mounted Reservoir Included (optional for ducted systems)			•	•	•	•	•	•	•																							
Integral Reservoir on Pump															•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
No Filter Required	•	•	•	•																												
Suitable for Dusty or Oily Environments	•	•	•	•																												
Maximum Evaporator Capacity (thousand BTU)	24	24	24	24	24	24	60	60	24	24	24	24	24	24	30	30	30	30	30	30	30	30	30	30	60	60	60	60	60	60	30	30
Maximum Suction Lift (ft)	10	10	10	10	4	4	4	4	4	3	3	3	3	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Maximum Remote Mounting Distance (ft)	40	40	40	40	21	21	21	21	21	5	5	5	5	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sound Level (dB)	47	47	47	47	23	23	35	35	23	21	21	21	21	21	23	23	23	23	23	23	23	23	23	35	35	35	35	35	35	35	21	21
Maximum Pumping Head (ft)	39	39	39	39	26	26	65	65	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	49	49	49	49	49	49	33	33
					CONCEALED OR REMOTE										SURFACE MOUNTED																		

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



Type C 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.

White recommended whenever possible

Type A or B or C Installation

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

PURPLE or **ORANGE**

Peristaltic pumps offer three major benefits for minisplit 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 contaminates 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 two styles:
1. Split type - (Orange or Aqua 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.

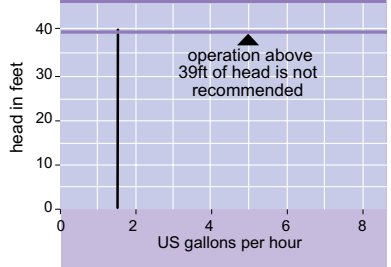
Purple SERIES

Peristaltic mechanical & universal pump kits

The ideal condensate pump for remote location application.

RS # (ref. #)				
UNIVERSAL VOLTAGE KITS	**POWER SUPPLY & CONSUMPTION**			**CTN WT**
83965 (ASP-PERI-UNI-115)	115 VAC	.20A	46W	4 1/2 lbs
83966 (ASP-PERI-UNI-230)	230 VAC	.20A	46W	4 1/2 lbs
MECHANICAL KITS				
83963 (ASP-PERI-MECH-115)	115 VAC	.20A	46W	4 3/4 lbs
83964 (ASP-PERI-MECH-230)	230 VAC	.20A	46W	4 3/4 lbs
PERI REPLACEMENT TUBE				
83892 (ASP-PERITUBE)				

Constant 10ft suction lift



Features & Specifications:

- Quiet operation
- Reliability - low maintenance
- Filterless operation
- Quick replacement pump head (annually)
- 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
- Eliminates corrosion problems
- 3A NO/NC dry contacts rated @ 5 A inductive @ 230V AC. (Mechanical only)

Duty Cycle:
100% - continuous

Capacity:
1.65 GPH @ 39ft head,
BTU/hr: up to 24,000
Maximum head: 39ft
Maximum water temp: 104° F
Suction lift: 10ft
Sound level: 47dB(A)

ASPEN® PUMPS

Peristaltic Universal Pump Kit

The Universal peristaltic pump operates with two temperature sensors. These sensor leads are color coded red and blue and are fastened to the two lineset tubes (under the insulation) at any point. The pump is activated by a temperature differential between these sensors which will occur upon system startup. This pump is intended to run continuously during cooling operation.
Pump Dimensions: H-4 1/2" W-3" D-5 1/2"

Universal Pump. No overflow switch

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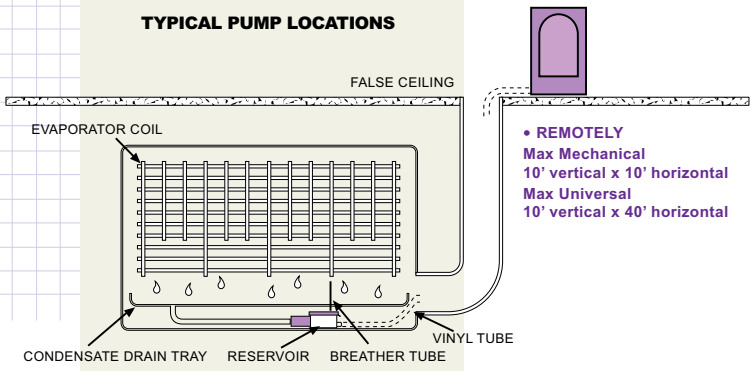


Peristaltic Mechanical Pump Kit

The Mechanical peristaltic pump operates by using a remote reservoir with an internal float mechanism. This reservoir includes an overflow switch circuit similar to our minipumps which is connected to the evaporator and will disable the system during an overflow condition (overflow switch cable not included).

Pump Dimensions: H-5 1/2" W-3 3/8" D-7"

Mechanical Pump. With overflow switch

Universal Kit Includes:

1. Pump assembly
2. Temperature sensor leads - 10ft
3. Vinyl tubing - 5' x 1/4" i.d.
4. Modular 6ft power cable
5. Inlet tube and adaptor
6. Universal mounting bracket

Anti-siphoning device (not shown)

Mechanical Kit Includes:

1. Pump assembly
2. In-line reservoir with lid & sensor
3. Inlet tube - 8" x 5/8 i.d.
4. Vinyl tubing - 5' x 1/4" i.d.
5. Quick connect push-in power cable assembly
6. Vinyl breather tube - 6" x 1/4" i.d.
7. Universal mounting bracket

Pan mounted reservoir (not shown)
Anti-siphoning device (not shown)

Orange SERIES

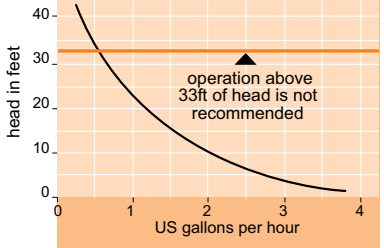
Mini & Maxi pump kits

Installation flexibility. Proven reliability.

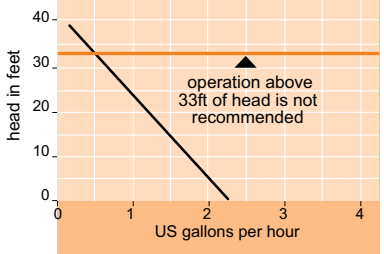
RS # (ref. #) UNIVERSAL VOLTAGE KITS	POWER SUPPLY & CONSUMPTION			CTN WT
83909 (ASP-MO-UNI)	100-250 VAC	.11-.18A	16W	2 lbs
83919 (ASP-MAXO-UNI)	100-250 VAC	.15-.28A	21W	2 lbs
MINI KITS				
83903 (ASP-MO-115)	115 VAC	.18A	15W	2 lbs
83904 (ASP-MO-230)	230 VAC	.11A	16W	2 lbs
MINI KITS- SILENT PLUS				
83911 (ASP-MO-115SP)	115 VAC	.18A	15W	2 lbs
83912 (ASP-MO-230SP)	230 VAC	.11A	16W	2 lbs
LG MINI KITS				
83905 (ASP-MO-LG24*)	24 VAC	.67A	16W	4 3/4 lbs
MAXI KITS				
83901 (ASP-MAXO-115)	115 VAC	.28A	21W	2 lbs
83902 (ASP-MAXO-230)	230 VAC	.15A	21W	2 lbs

***Add "A"suffix for kit without transformer**

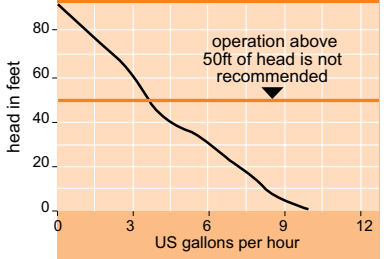
Mini - no suction lift



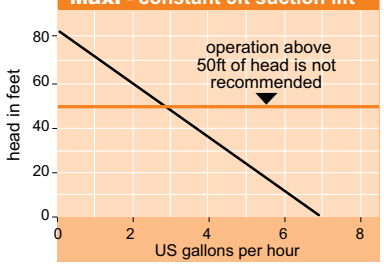
Mini - constant 5ft suction lift



Maxi - no suction lift



Maxi - constant 5ft suction lift



Features & Specifications:

- Pump installs remotely above ceiling or inside lineset cover.
- Two reservoir options - Pan mount or inline style
- Modular terminals for fast connection
- Gravity Inlet
- Potted electronics
- 3A NO/NC dry contacts rated @ 5A inductive at 230V AC.

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

Capacity:
Mini -3.2 GPH @ zero head
0.8 GPH @ 33ft head
Up to 24,000 BTU/hr
Maxi- 10 GPH @ zero head
3.8 GPH @ 50ft head
Up to 60,000 BTU/hr

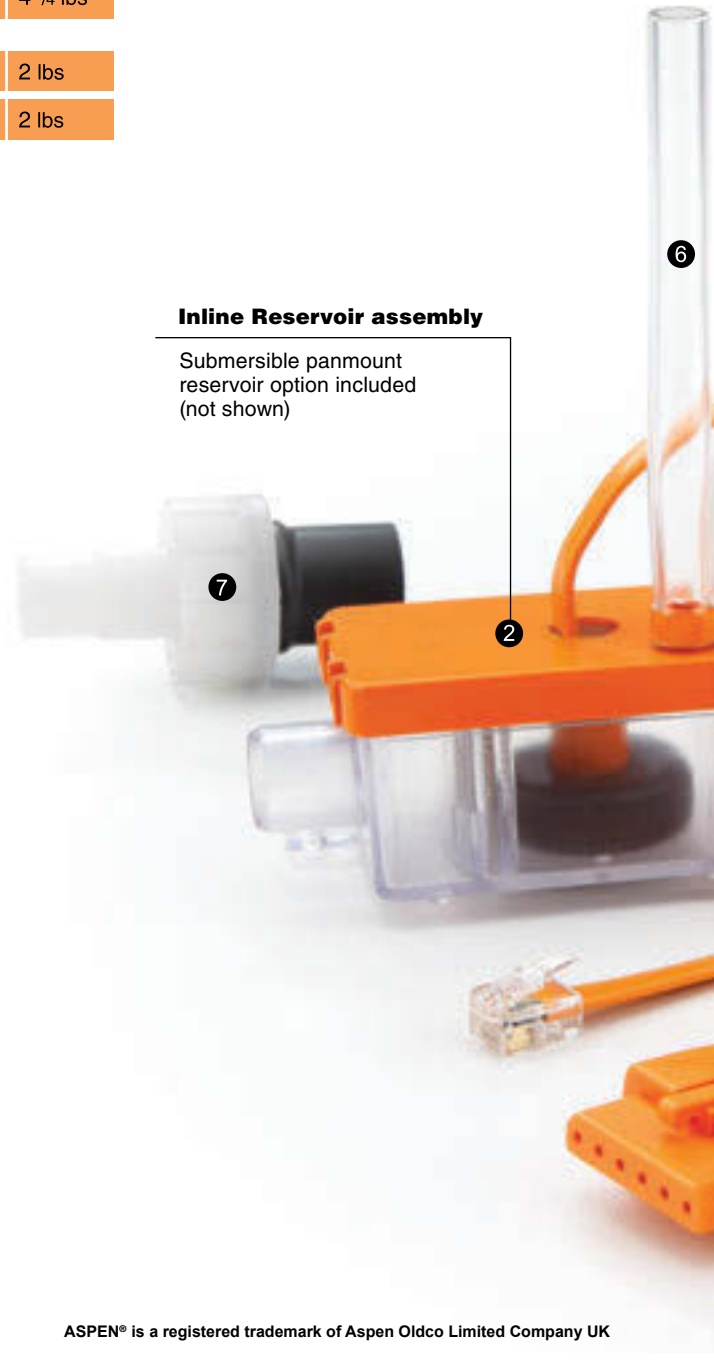
Maximum head:
Mini - 33ft Maxi -50ft

Suction lift: 5ft

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

Inline Reservoir assembly

Submersible panmount reservoir option included (not shown)



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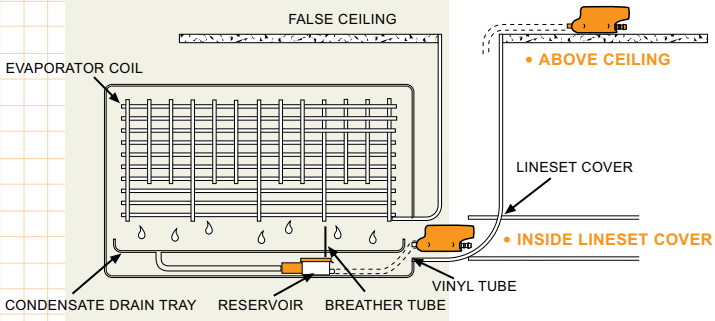
Pump Dimensions: shown actual size
Mini: L-4 1/4" x W-1 1/2" x H-2"
Maxi: L-4 7/8" x W-1 3/4" x H-2 5/8"

TYPICAL PUMP LOCATIONS

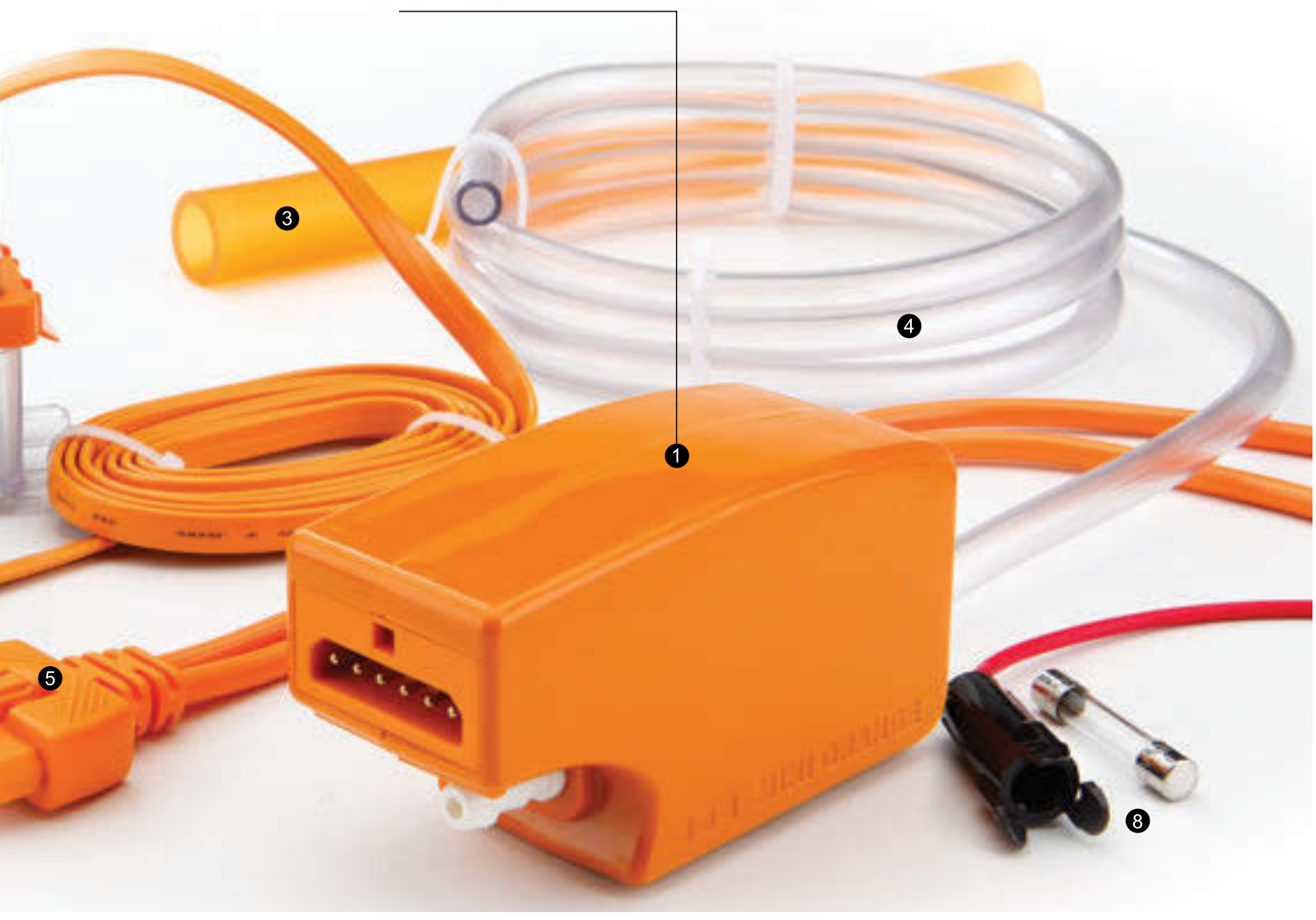


Mini or Maxi Kit Includes:

1. Pump assembly
2. In-line reservoir with lid & sensor cable, float & filter.
3. Inlet tube - 8" x 5/8 i.d.
4. Vinyl discharge tube - 5' x 1/4 i.d.
5. Modular 6ft power cable
6. Vinyl breather tube - 6" x 1/4" i.d.
7. Drain hose adaptor
8. In-line fuse

Not Shown: Anti-siphoning device, Cable ties (6) Self adhesive Velcro strips (2), Installation Manual, Transformer package (24 volt models only) Submersible pan mount reservoir

Choose Mini or Maxi Pump



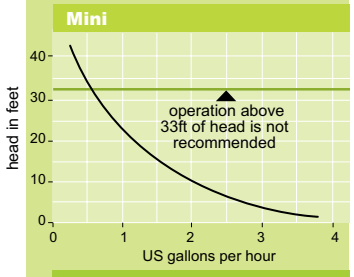
Lime SERIES

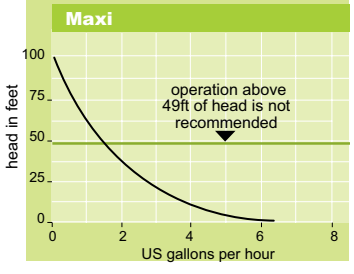
Mini & Maxi pump kits

Original elbow pump. Quick installation. Completely reversible.

RS # (ref. #)	POWER SUPPLY & CONSUMPTION			CTN WT	LINESET COVER STYLE
UNIVERSAL VOLTAGE KITS					
83849 (ASP-ML-UNI)	100-250 VAC	.10-.16A	16W	1½ lbs	**Slimline** (ivory) 31" length. Fits 3/8" & 5/8" lineset
83859 (ASP-MLF-UNI)	100-250 VAC	.10-.16A	16W	4 lbs	**Fortress LD92** (white) 31" length. Fits 1/2" & 3/4" lineset
MINI KITS					
83836 (ASP-ML-115)	115 VAC	.16A	13.5W	**4** lbs	**Slimline** (ivory) 31" length. Fits 3/8" & 5/8" lineset
83837 (ASP-ML-230)	230 VAC	.10A	15W	**4** lbs	
83838 (ASP-MLF-115)	115 VAC	.16A	13.5W	**3 3/4** lbs	**Fortress LD92** (white) 31" length. Fits 1/2" & 3/4" lineset
83839 (ASP-MLF-230)	230 VAC	.10A	15W	**3 3/4** lbs	
83845 (ASP-MLS-115)	115 VAC	.16A	13.5W	**3 3/4** lbs	**Slimduct SD77** (ivory) 31" length. Fits 1/2" & 3/4" lineset
83846 (ASP-MLS-230)	230 VAC	.10A	15W	**3 3/4** lbs	
MINI KITS- SILENT PLUS					
83851 (ASP-ML-115SP)	115 VAC	.16A	13.5W	**4** lbs	**Slimline** (ivory) 31" length. Fits 3/8" & 5/8" lineset
83852 (ASP-ML-230SP)	230 VAC	.10A	15W	**4** lbs	
83860 (ASP-MLF-115SP)	115 VAC	.16A	13.5W	**3 3/4** lbs	**Fortress LD92** (white) 31" length. Fits 1/2" & 3/4" lineset
83861 (ASP-MLF-230SP)	230 VAC	.10A	15W	**3 3/4** lbs	
MAXI KITS					
83830 (ASP-MAXLF-115)	115 VAC	.23A	18W	4 lbs	**Fortress LD92** (white) 31" length. Fits 1/2" & 3/4" lineset
83831 (ASP-MAXLF-230)	230 VAC	.10A	15W	4 lbs	
83832 (ASP-MAXLS-115)	115 VAC	.23A	18W	4 lbs	**Slimduct SD77** (ivory) 31" length. Fits 1/2" & 3/4" lineset
83833 (ASP-MAXLS-230)	230 VAC	.10A	15W	4 lbs	
LG MINI KIT					
83840 (ASP-ML-LG24)	24 VAC	.67A	16W	**7** lbs	**Slimline** (ivory) 31" length. Fits 3/8" & 5/8" lineset
83847 (ASP-MLS-LG24)	24 VAC	.67A	16W	8 lbs	**Slimduct SD77** (ivory) 31" length. Fits 1/2" & 3/4" lineset
OEM MINI KITS					
83842 (ASP-MLOEM-115)	115 VAC	.16A	13.5W	2 lbs	No duct included (see right)
83843 (ASP-MLOEM-230)	230 VAC	.10A	15W	2 lbs	No duct included (see right)
83844 (ASP-MLOEM-LG24)	24 VAC	.67A	16W	2 lbs	No duct included (see right)
OEM MAXI KITS					
83834 (ASP-MAXOEM-115)	115 VAC	16A	13.5W	2 lbs	No duct included (see right)
83835 (ASP-MAXOEM-230)	230 VAC	.10A	15W	2 lbs	No duct included (see right)

ASPEN® PUMPS





Features & Specifications:

- Left or right install
- Easily accessed for filter cleaning
- Three lineset cover styles available - Slimline, Slimduct or Fortress.
- 3A NO/NC dry contacts rated @ 5A inductive at 230V AC.

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

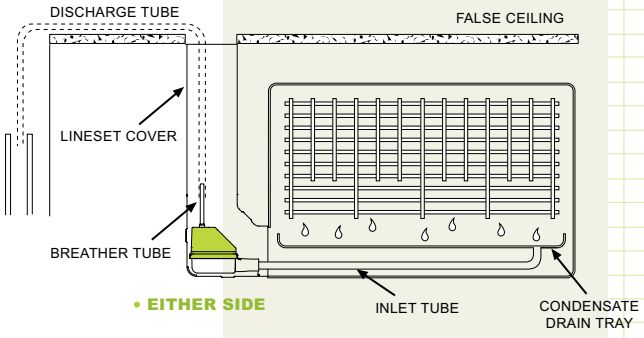
Capacity:
Mini -3.2 GPH @ zero head
0.8 GPH @ 33ft head
Up to 30,000 BTU/hr

Maxi- 10 GPH @ zero head
3.8 GPH @ 49ft head
Up to 60,000 BTU/hr

Maximum head: Mini - 33ft Maxi -49ft
Sound level: Mini - 27dB(A) Maxi - 35dB(A)
Silent Plus - 21dB(A)

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

TYPICAL PUMP LOCATIONS



Pump Dimensions: shown actual size
Mini: L-3 3/4" x H-3 1/8" x W-1 5/8"
Maxi: L-3 3/4" x H-3 3/8" x W-1 5/8"

Mini/Maxi Kit includes:

1. Monobloc Pump assembly
2. Inlet tube - 20" x 5/8 i.d.
3. Vinyl breather tube - 6" x 1/4 i.d.
4. Vinyl discharge tube - 30" x 1/4 i.d.
5. Power cable assembly - 6'
6. In-line fuse
7. Lineset cover elbow
8. Lineset Cover -31" Length
9. Ceiling plate
10. Drain hose adaptor

Not Shown:
Anti-siphoning device, Cable ties (4), Installation Manual, Wall plugs & screws

OEM Kit (no ducting) includes:
1-6 Mini/Maxi kit components
Rubber elbow - 5/8", In-line filter - 5/8", Mounting bracket

(Patent No. 6,976,367)

Monobloc Pump

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

Aqua SERIES

Mini pump kits

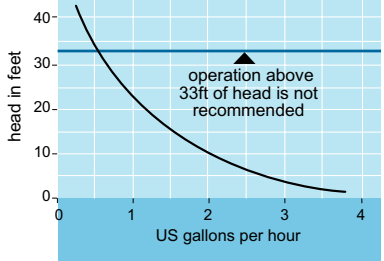
Ultra-slim profile. Fits inside evaporator or lineset cover.

RS # (ref. #)	POWER SUPPLY & CONSUMPTION			CTN WT
UNIVERSAL VOLTAGE KITS				
83809 (ASP-MA-UNI)	100-250 VAC	.07-13A	16W	1½ lbs
MINI KITS				
83801 (ASP-MA-115)	115 VAC	.13A	15W	1½ lbs
83802 (ASP-MA-230)	230 VAC	.07A	16W	1½ lbs
MINI KITS- SILENT PLUS				
83811 (ASP-MA-115SP)	115 VAC	.13A	15W	1½ lbs
83812 (ASP-MA-230SP)	230 VAC	.07A	16W	1½ lbs
LG MINI KITS				
83803 (ASP-MA-LG24*)	24 VAC	.67A	16W	4½ lbs
83804 (ASP-MA-LG24A)	24 VAC	.67A	16W	3 lbs
LG ARTCOOL MINI KIT				
83805 (ASP-MART-LG24*)	24 VAC	.67A	16W	4½ lbs

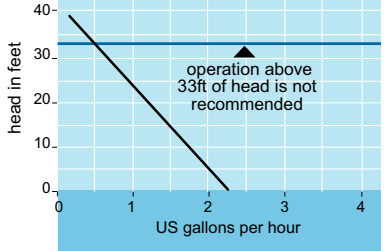
***Add "A"suffix for kit without transformer**

ASPEN® PUMPS

Mini - no suction lift



Mini - constant 4ft suction lift



Features & Specifications:

- Integral hanging loop and separate reservoir facilitates attachment in vertical applications.
- 3A NO/NC dry contacts rated @ 5A inductive at 230V AC.

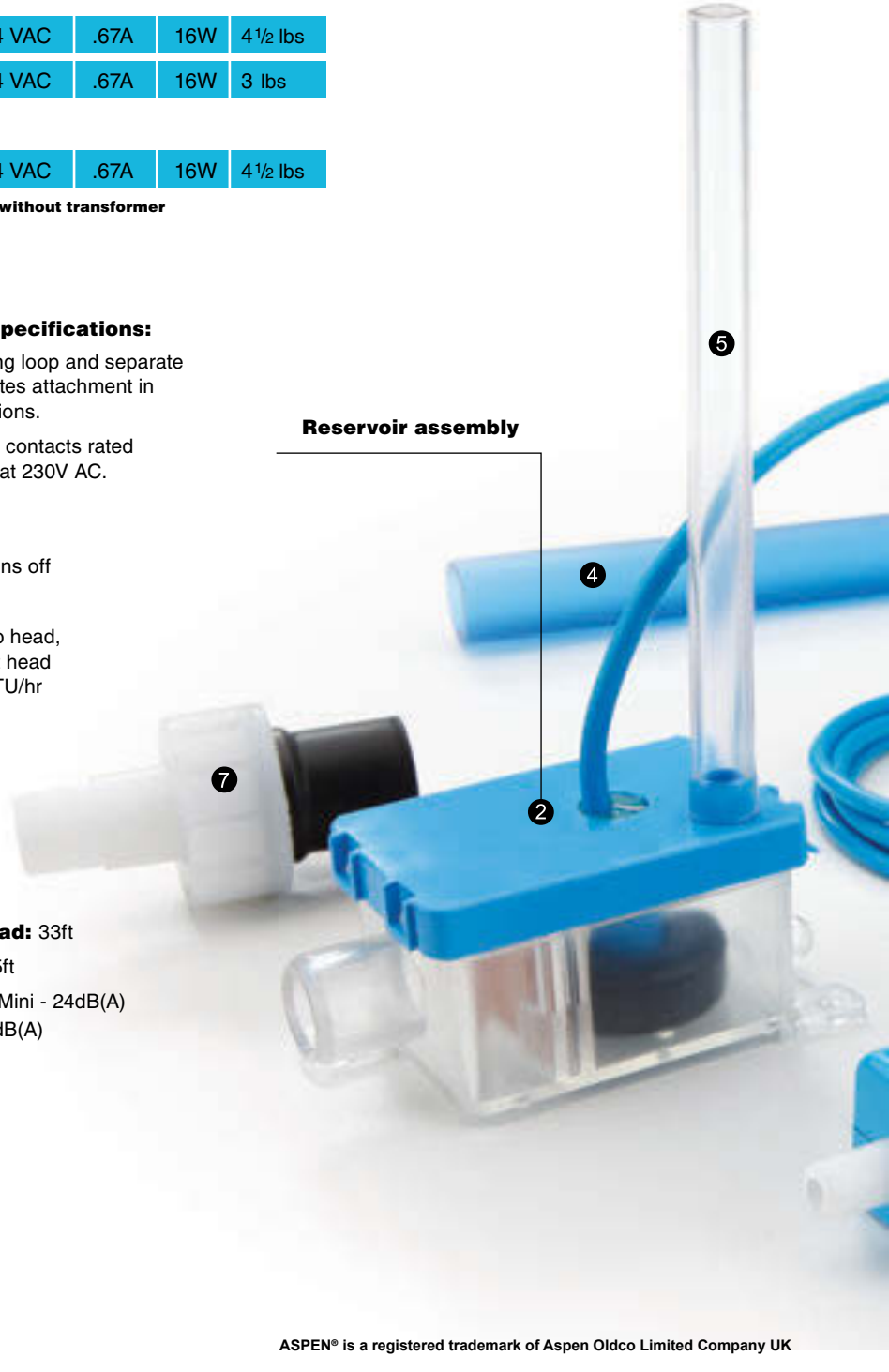
Duty Cycle:
50% duty cycle
5 mins on / 5 mins off

Capacity:
3.7 GPH @ zero head,
0.8 GPH @ 33ft head
Up to 24,000 BTU/hr

Maximum head: 33ft

Suction lift: 5ft

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



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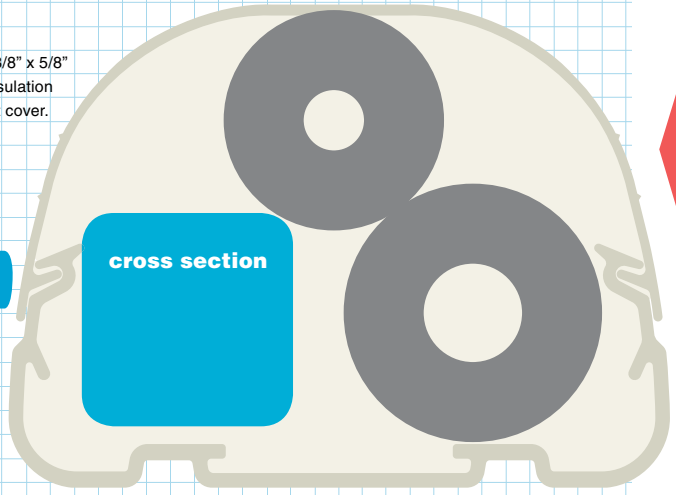
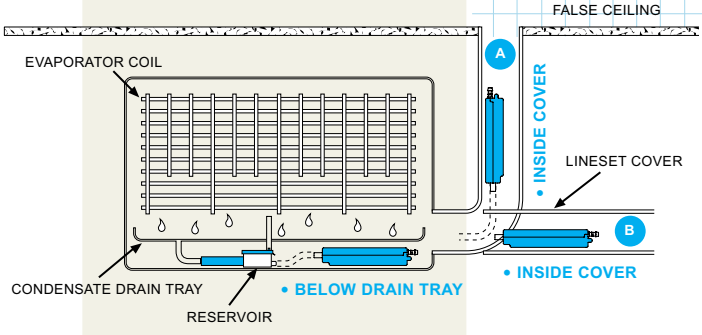
Typical section of 3/8" x 5/8" lineset with standard insulation inside lineset cover.



Pump Dimensions: L-6½" x H-1⅛" x W-1⅛"
shown actual size

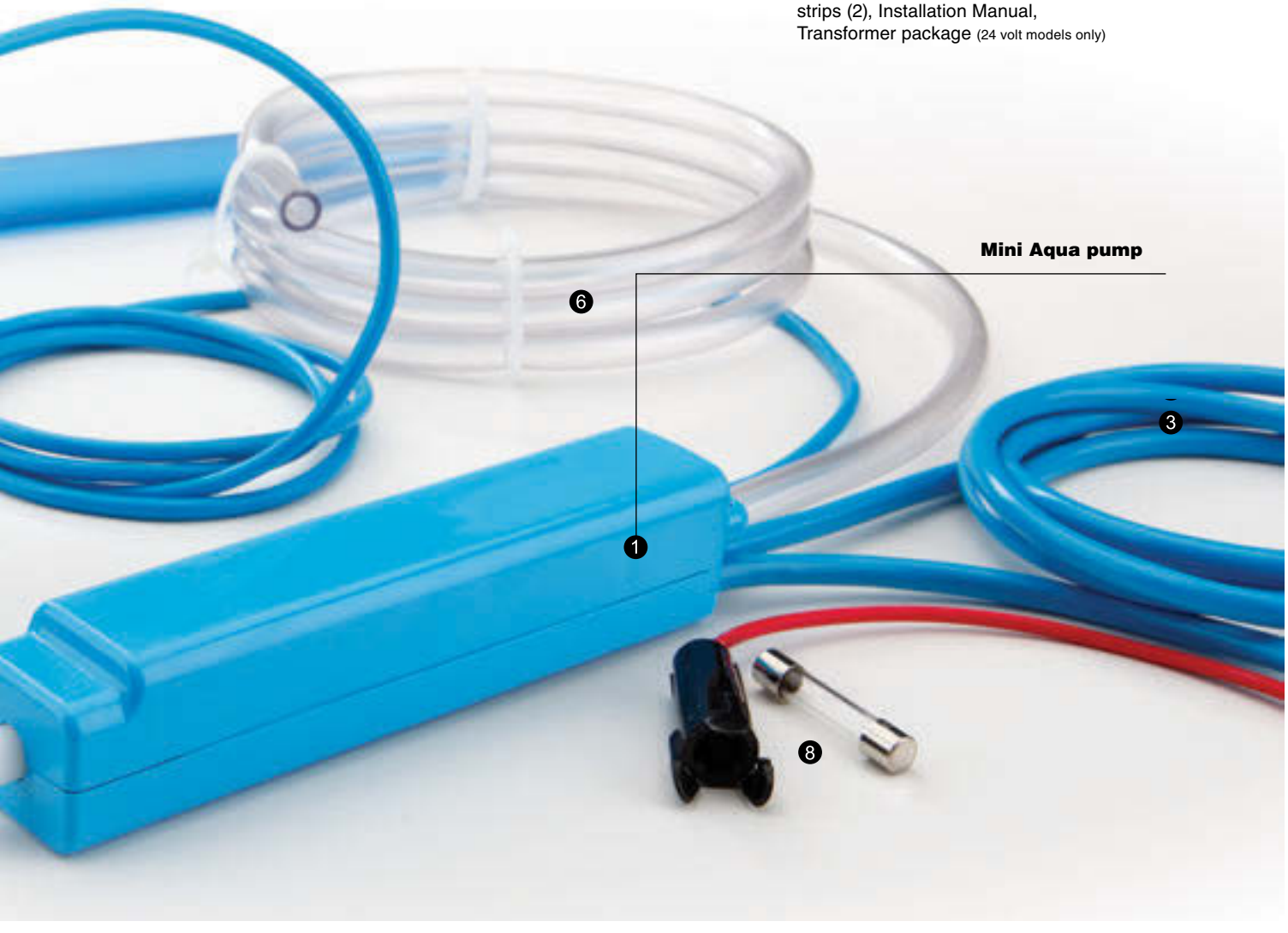
TYPICAL PUMP LOCATIONS



Mini Kit Includes:

1. Pump assembly
2. In-line reservoir - lid & sensor cable, float & filter.
3. Integral power cable assembly - 6'.
4. Inlet tube - 8" x 5/8 i.d.
5. Vinyl breather tube - 6" x 1/4" i.d.
6. Vinyl discharge tube - 5' x 1/4" i.d.
7. Drain hose adaptor
8. In-line fuse

Not Shown:
Anti-siphoning device, Cable ties (6), Self adhesive Velcro strips (2), Installation Manual,
Transformer package (24 volt models only)



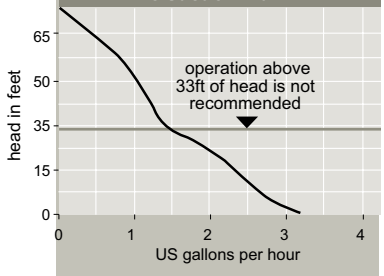
White
SERIES

Mini pump kits

Monobloc pump assembly. Mounts directly below evaporator.

RS # (ref. #)	POWER SUPPLY & CONSUMPTION			CTN WT
UNIVERSAL VOLTAGE KITS				
83939 (ASP-MW-UNI)	100-250 VAC	.11-.18A	16W	1 3/4 lbs
MINI KITS				
83931 (ASP-MW-115)	115 VAC	.18A	15W	1 3/4 lbs
83932 (ASP-MW-230)	230 VAC	.11A	16W	1 3/4 lbs

Mini - no suction lift



ASPEN® PUMPS

Features & Specifications:

- 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 minisplit
- Extra large reservoir capacity minimize pump operation
- All components clip apart for easy disassembly without tools
- Power cable has push-in plug for easy wiring and disconnect
- 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

Duty Cycle: Continuous

Capacity:
2.8 GPH @ zero head,
0.8 GPH @ 33ft head
Up to 30,000 BTU/hr

Maximum head: 33ft

Sound level: 21dB(A)

Mini Kit Includes:

1. Monobloc pump assembly mounting grommets includes cleanable 700 micron filter, captive float & cover.
2. Power cable assembly - 39"
3. In-line fuse

Not Shown: Anti-siphoning device, Wall anchors, screws & hose clamp, Water treatment tablet, Installation Manual

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

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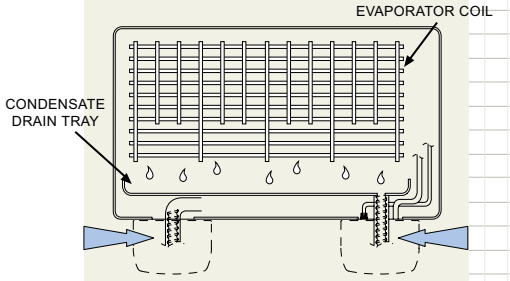
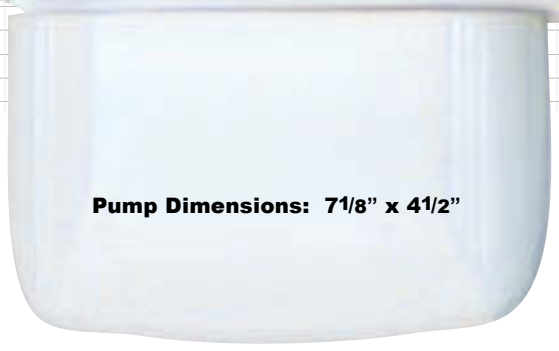
TYPICAL PUMP LOCATIONS



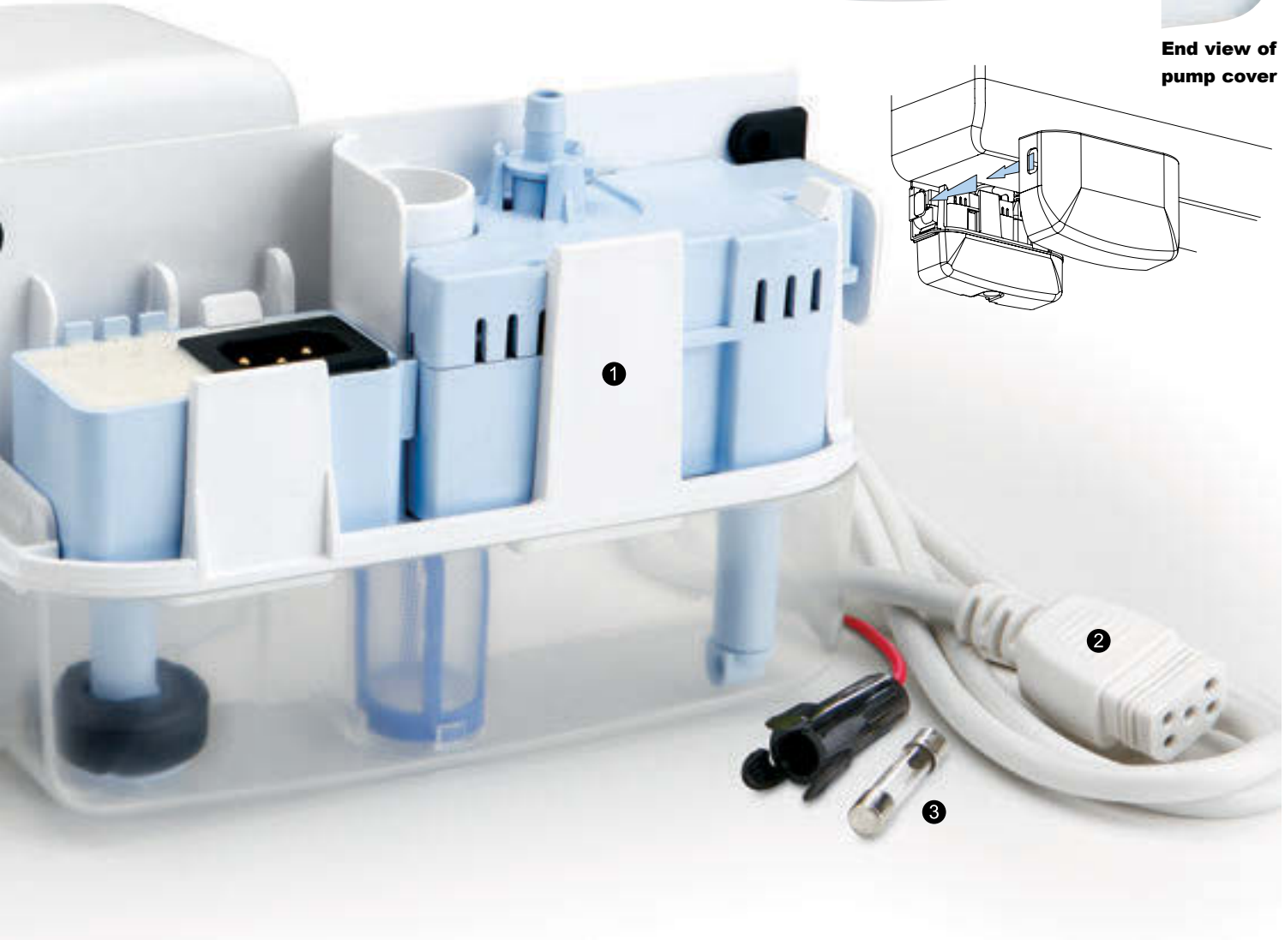
Pump can be placed at any point along bottom edge of evaporator where drain hose can exit.



Pump Dimensions: 7 1/8" x 4 1/2"

2" x 4 1/2"

End view of pump cover



Minisplit Condensate Drain Hose and Fittings

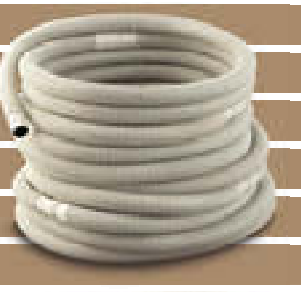
HOSE STYLES

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. #)	ID	LENGTH	CTN QTY	CTN WT
83001 (DH-14) LITE		1/2 in	165 ft	1	6 lbs
83002 (DH-16) STANDARD		5/8 in	165 ft	1	7 lbs
83003 (DH-16S) STANDARD		5/8 in	20 ft	5	6 lb
83004 (DHQ-16) UV RESISTANT		5/8 in	165 ft	1	6 lbs
83005 (DSB-16) SMOOTH BORE		5/8 in	65 ft	1	2 lbs
83006 (DSB-20) SMOOTH BORE		3/4 in	65 ft	1	8 lbs



INSULATED DRAIN HOSE					
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					
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					
83020 (DH-14-16V) DSH-14 TO 3/4 PVC		3/4 in	–	10	2 lb
83024 (DSH-20-NV) DSH-20 TO 3/4 PVC		3/4 in	–	10	2 lb

VENTED DRAIN WYE					
83022 (DY-16)		5/8 in	–	10	1 lb

WALL SLEEVE		SIZE	CTN QTY	CTN WT
83017 (NFP-75) WALL SLEEVE		3"x 5" - 7"	10	1 lbs
83015 (FPS-65) 5° INCLINED WALL SLEEVE		2 1/2"x up to 8"	10	1 lbs
83016 (HN-75-I) UV RESISTANT NON-ADHESIVE WRAP		3"x70'	4	1 lbs

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

SAFE-T-SWITCH® Condensate Overflow Switch

The Most Reliable Switch

Model SS1

Primary drains or auxiliary drain outlets

Code	Description	Qty.
97632	Model SS1	24

c UL us LISTED UL 508

FEATURES

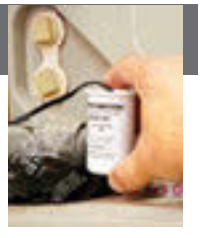
- Condensate overflow switch
- Magnetic reed switch
- Install vertically or horizontally
- Connect to either red or yellow wire

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 ¾" adapter, bushing and cap • Can be installed on a sloping line and does not need to be level or plumb

US Patent No. 6,442,955

Model SS2

Primary pan auxiliary outlet



Code	Description	Qty.
97637	Model SS2	24

c UL us LISTED UL 508

FEATURES

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

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

US Patent No. 6,442,955

Model SS3

Primary & auxiliary drain pans

Code	Description	Qty.
97647	Model SS3	24

c UL us LISTED UL 508

FEATURES

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

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

US Patent No. 6,698,215

SAFE-T-SWITCH® Condensate Overflow Switch

The Most Reliable Switch

Model SS4

Drain pans w/ slanted sides or lipped edges

Code	Description	Qty.
97625	Model SS4	24

c UL us LISTED UL 508

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

Application • Detects clogged A/C condensate drains and shuts off the system • Adjustable clip to fit over slanted sides and lipped edges of primary and auxiliary drain pans

Model SS3-CT

Systems with communicating thermostats

Code	Description	Qty.
97652	Model SS3-CT	24

c UL us LISTED UL 508

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

Application • Detects clogged A/C condensate drains • Normally open condensate overflow switch can be connected to the accessory wires of the communicating thermostat • Installed on primary or auxiliary drain pans

US Patent No. 6,698,215

Model SS2AP

Plenum rated

Code	Description	Qty.
97640	Model SS2AP	50

c UL us LISTED UL 508

c UL us LISTED UL 2043

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

Application • Detects clogged A/C condensate drains and shuts off the system • Schedule 80 CPVC, plenum rated and listed to UL-2043 • Use ¾" adapter to install on the auxiliary outlet of the primary drain pan

US Patent No. 6,442,955

Model SG1

Condensate overflow alarm

Code	Description	Qty.
97655	Model SG1	50

c UL us LISTED UL 508

FEATURES
- 2-wire design
- Works with 24V overflow switches

Application • Sounds a buzzer and flashes an LED when an overflow switch or condensate pump cuts the thermostat circuit

US Patent No. 7,199,722

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

SAFE-T-SWITCH® Electronic Probe Sensors

SS 103 E — Dual sensors

Code	Description	Qty.
97692	SS 103 E	24

c UL us LISTED UL 508

FEATURES
- Electronic probe sensor
- Simple 2-wire design
- Onboard LED indicator
- Connect to either red or yellow wire

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

SS 500 EP — Commercial rooftop downflow units

Code	Description	Qty.
97693	SS 500 EP	12

c UL us LISTED UL 508
c UL us LISTED UL 2043

FEATURES
- Electronic probe sensor
- Simple 2-wire design
- Onboard LED indicator
- Plenum rated wire
- Connect to either red or yellow wire

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

SS 700 E — Directly in the secondary drain pan

Code	Description	Qty.
97695	SS 700 E	12

c UL us LISTED UL 508

FEATURES
- Works in any position
- Universal puck works in all secondary drain pans
- Onboard LED indicator

Application • Designed to sit directly in a secondary drain pan, eliminating screws and clips • Multiple position option for the sensor and provides adjustable heights • Great for use in plastic overflow pans with round edges

SS 610 E — Mini split systems

Code	Description	Qty.
97622	SS 610 E	12

c UL us LISTED UL 508 5A 250V AC 5A 30V DC

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

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

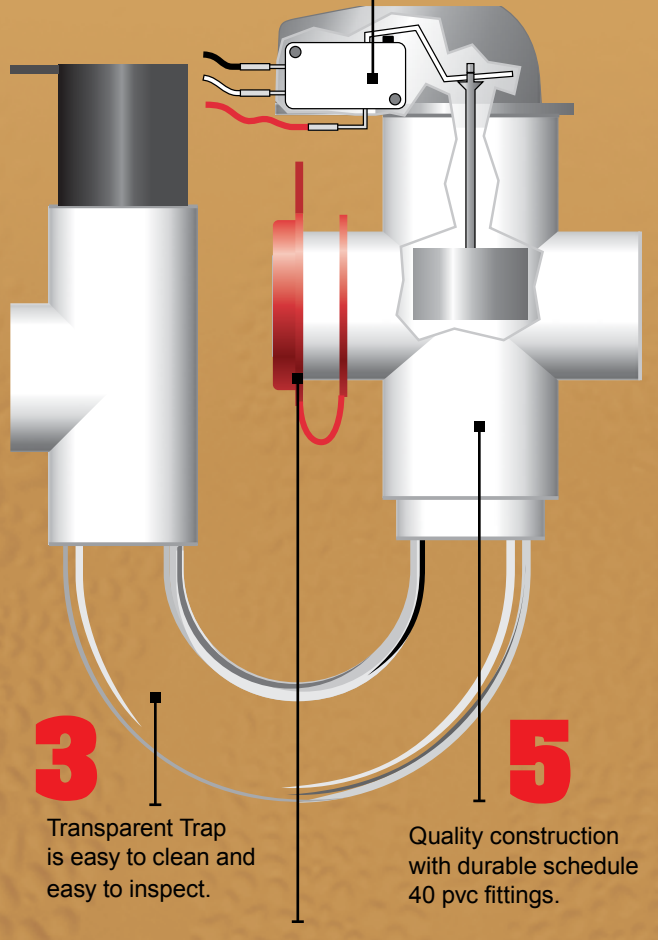
EZ TRAP®

Condensate Traps & Overflow Switches

Easy Maintenance & Overflow Protection

1 **SmartTrap™ (200 SERIES)** adds a float switch that warns of blockage and shut down the AC unit. Slip fit float switch removes easily for cleaning and inspection.

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



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

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

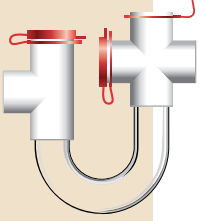
5 Quality construction with durable schedule 40 pvc fittings.

(Patent No. 5,069,042)

100 SERIES ClearTrap™ kits

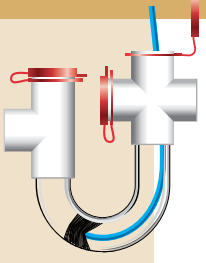
Clear cleanable trap.

RS # (ref. #)	Size
83113 (EZT-113)	3/4”



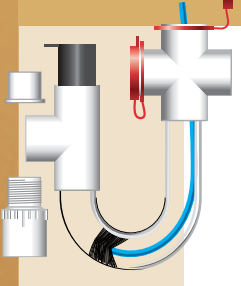
Economy trap kit no/brush
Thinner walled trap for light duty applications. 10 per carton.
Includes: 3/4” trap, 3/4” cross, 3/4” tee, three 3/4” red caps, cleaning brush, **1” drop**

RS # (ref. #)	Size
83114 (EZT-113B)	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 (EZT-119)	1”

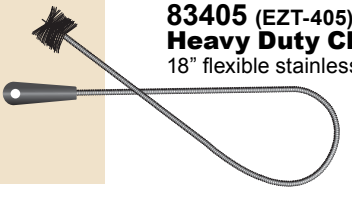


High flow commercial trap kit
for use when a 1”dia. discharge is required. 10 per carton.
Includes: 1” standard trap, 1” cross, 1” tee, 1” x 3/4 reducer bushing, 3/4” black stub, two 1” red caps, 1” male adaptor, cleaning brush, **1” drop**

Accessories

83408 (EZT-408)
3/4” Clear PVC Pipe
8’ length. 25 per carton.

83406 (EZT-406)
Standard Cleaning Brush
18” flexible rod. 25 per carton.



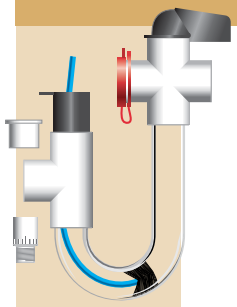
83405 (EZT-405)
Heavy Duty Cleaning Brush
18” flexible stainless rod.
10 per carton.

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

200 SERIES SmartTrap™ kits

Float switch overflow protection. Clear cleanable trap.

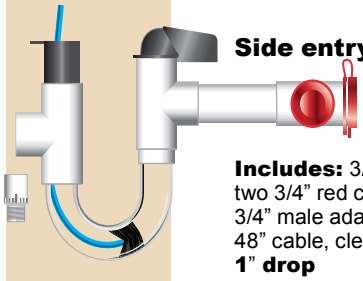
RS # (ref. #)	Size
83205 (EZT-205)	3/4”



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**

c UL us LISTED UL 508

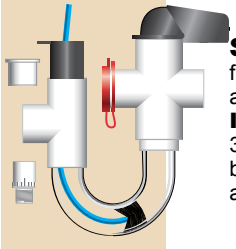
RS # (ref. #)	Size
83207 (EZT-207)	3/4”



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**

c UL us LISTED UL 508

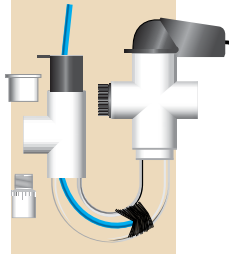
RS # (ref. #)	Size
83210 (EZT-210)	3/4”



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**

c UL us LISTED UL 508

RS # (ref. #)	Size
83230 (EZT-230)	3/4”



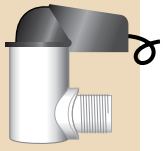
Tamper resistant SmartTrap kit
with threaded cleaning cap. Fits most applications Includes clear u-bend for inspection, and access ports for easy cleaning. 10 per carton.
Includes: 3/4” Standard Trap, 1” cross, 3/4” locking cap,1”x 3/4” bushing, 3/4” tee, 3/4” black stub, 3/4” male adapter, float switch assembly, 48” cable, cleaning brush, **1” drop**

c UL us LISTED UL 508

220 SERIES Overflow switches

Float switch overflow protection.

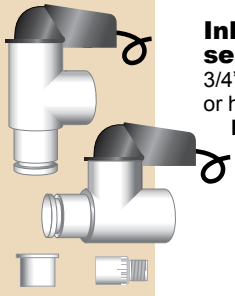
RS # (ref. #)	Size
83224 (EZT-224)	3/4”



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

c UL us LISTED UL 508

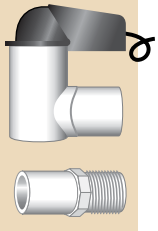
RS # (ref. #)	Size
83225 (EZT-225)	3/4”



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

c UL us LISTED UL 508

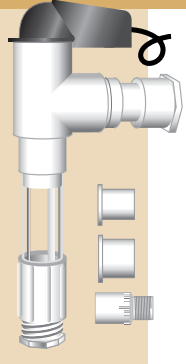
RS # (ref. #)	Size
83226 (EZT-226)	3/4”



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

c UL us LISTED UL 508

RS # (ref. #)	Size
83228 (EZT-228)	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

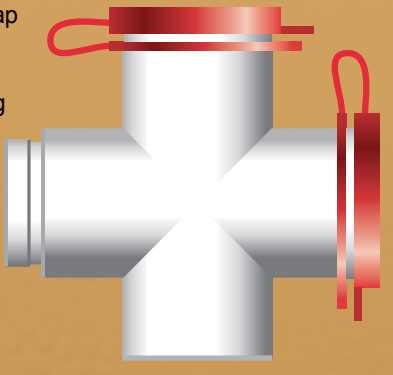
c UL us LISTED UL 508

EZ TRAP®

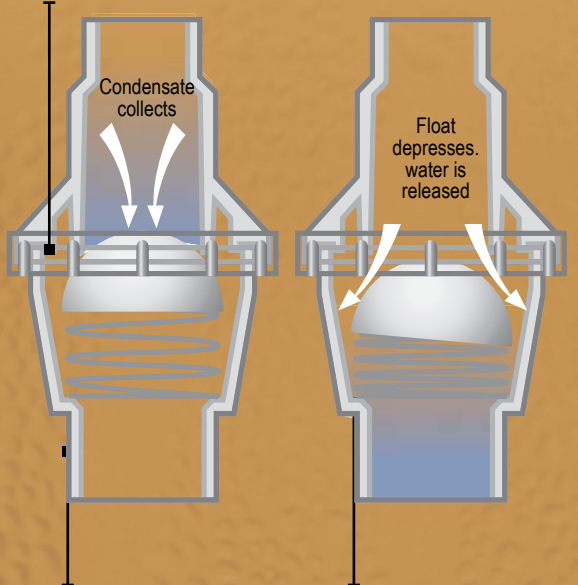
UltraTrap™ Waterless Condensate Traps

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 back airflow in either direction.



2 Captive twist-off locking ring



3 Transparent trap allows for easy cleaning and inspection

4 Stainless steel spring

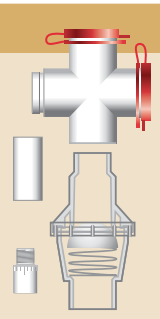
(Patent No. 6,698,225)

EZ TRAP
3 Year Warranty

100 SERIES Waterless kits

Waterless freeze protection.

RS # (ref. #)	Size
83150 (EZT-150)	3/4" OR 1"



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

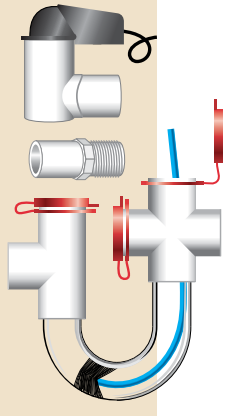
RS # (ref. #)	Size
83180 (EZT-180)	5/8"

Mini waterless in-line trap
All advantages of 150 - sized for use in ductless minisplit applications. Use on any minisplit evaporator with gravity drain. 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 (EZT-626)	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

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W 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

Nu Line®

A/C condensate drain cleaner

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

FEATURES
- Easily dispensed
- Long lasting

Application • Helps prevent A/C drain line clogs and water leaks by removing slime and keeping drain lines open • Use every three months to help prevent mold growth

Recommended for
• Drain line • Drain pan

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

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

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

Easy Klear™

Clean-out valve

Code	Description	Qty.
97585	¾" line	12

FEATURES
- Easy upstream or downstream access to drain line

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

Recommended for
• Condensate drain line

Vacuum or Push-Out Clogs in A/C 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

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 • ¾" adapter • Replaceable parts

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

RECTORSEAL

Compressor Maintenance

Kickstart®

Acid-Away®

Acid-Away® for POE

Acid-Detector™

Acid-Detector™ for POE

Oil-ID™

Turbo-Kleen™

Kickstart® Potential Relay & Start Capacitor

The 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

c UL us

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 bringing 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 maximum torque • TO-5 handles 1.0 - 3.0 ton maximum torque

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

Compressor Acid Neutralizer

Recommended by Compressor Manufacturers and Proven to Neutralize Acid After Burnouts

Acid Away®

Compressor burnout acid neutralizer

Code	Description	Qty.
45004	4 oz.	12

FEATURES

- Stays active in the system
- Preventive maintenance
- Safe for system components
- Tested to ANSI/ASHRAE standards 86-1983 & 97-1989

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 • No clogging or damage to line-sets from by-products of acid neutralization

Recommended for

• Both hermetic or semi-hermetic compressors that operate with standard CFC or HCFC refrigerants using mineral oil or alkybenzene type refrigeration oils

U. S. Patent No. 5,503,757

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
- Preventative maintenance
- Tested to ANSI/ASHRAE standards 86-1983 & 97-1989

Application • Prevents compressor burnouts by removing the acid buildup that occurs in Polyol Ester refrigeration oils used in A/C and refrigeration systems.

Recommended for • Both hermetic or semi-hermetic compressors that operate with Polyol Ester lubricants

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

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

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 chemical cleaning agents & patent pending injection nozzle
- Stays active during the entire cleaning process
- Low toxicity & non-flammable
- 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

RECTORSEAL

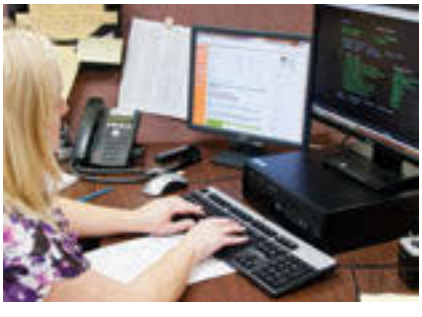
Customer Service

CELEBRATING 75 YEARS
1937 - 2012

Customer Service is available Mon-Fri 7:30am-5:00pm(CDT) ready to take care of your questions and concerns.

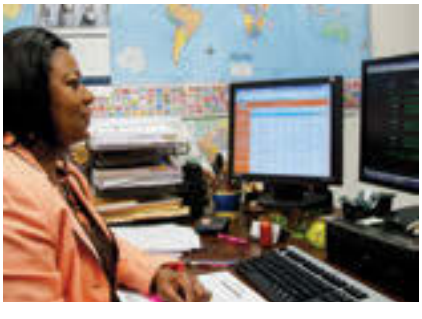
Orders can be sent by EDI, Fax: 800-441-0051 or Email: **customerservice@rectorseal.com**.

RectorSeal is devoted to you. The goal of Customer Service for the last 75 years has been to provide high quality, pleasant, efficient and accurate communication. We will continue to live up to our high standards.

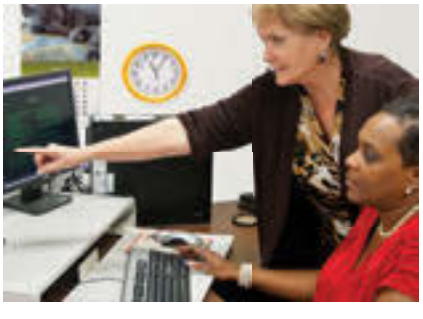


Orders are promptly entered into our computer system for timely processing.

Orders are verified for accuracy to ensure that customers receive what was ordered.



Shipments are sent via the best carriers & monitored to see that they are delivered correctly & on time.



Personnel are regularly trained to ensure accurate, up-to-date information is provided.

RECTORSEAL

Air Diffusers

Airtec® Classic

Airtec® Retro

Airtec® Tuffbox

AIRTEC®
Classic
GRILLE • DAMPER • BOX

Air Diffusers

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

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 insures efficient and quiet air delivery.

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

AIRTEC®

Retro

GRILLE • DAMPER • BOX

Air Diffusers

Something unexpectedly beautiful for your discriminating customer.

Retro Style. Same Innovative Design.

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.

AIRTEC®

The Anatomy of the Airtec Air Diffuser.

One piece. Virtually Air Tight. Quicker Installation.

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.

Limited Clearance Diffusers

GRILLE WITH DAMPER

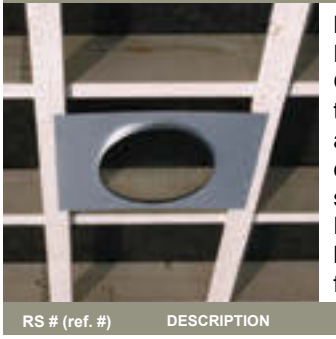
Model GRD grille/damper combination for low clearance side or top entry applications. Same construction as Airtec diffusers but with no boot. Standard 8" size only. Available in all five grille styles.

GRILLE ONLY

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

Ceiling Support Flanges

ROUGH IN FLANGES



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.

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.

DROP CEILING FLANGES

Model DCF
The 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.

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.

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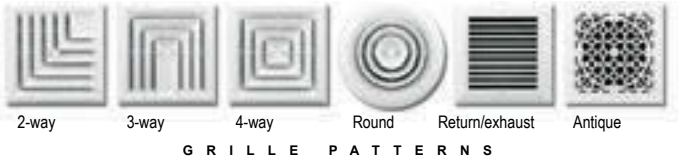
AIRTEC®

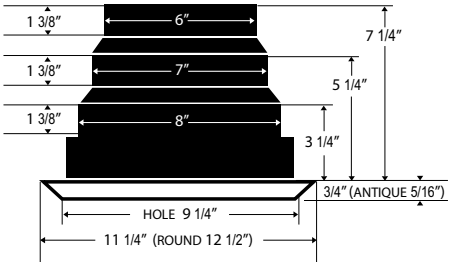
Diffuser Ordering Information



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

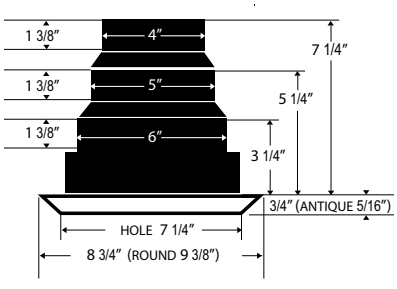


Airtec Retro standard 8x8" diffuser assembly

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

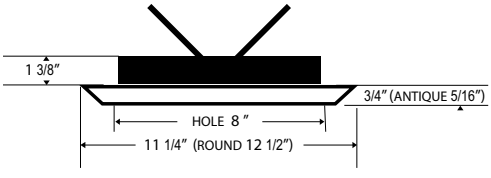


Airtec Retro small 6x6" diffuser assembly

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

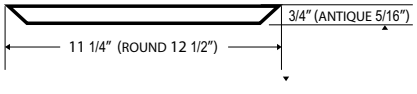
Limited clearance grille/damper

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



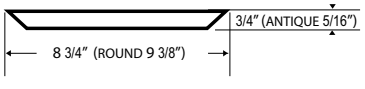
Standard Limited clearance grille only

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



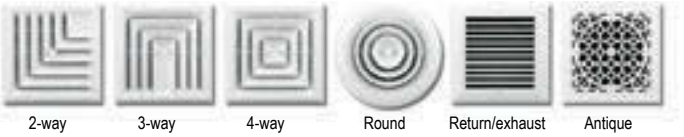
Small limited clearance grille only

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

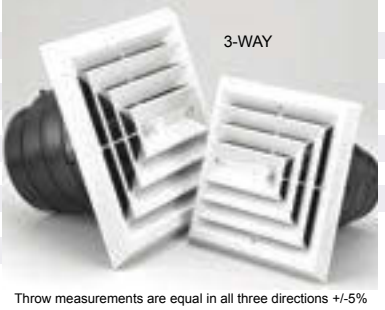
CFM	PRESSURE LOSS	THROW*	FACE VELOCITY**
55	.006 WG	4.9 ft	164 ft/min
75	.009 WG	6.7 ft	229 ft/min
90	.014 WG	8.0 ft	264 ft/min
110	.021 WG	9.8 ft	330 ft/min
125	.027 WG	11.1 ft	375 ft/min
150	.039 WG	13.4 ft	451 ft/min
175	.053 WG.	15.6 ft	533 ft/min
200	.069 WG	17.8 ft	604 ft/min
250	.108 WG	22.3 ft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



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

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

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

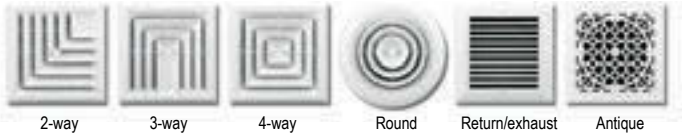
*All throw measurements are made from the center of the grille to a terminal velocity of 50 feet per minute. Direction determined by grille profile. .

**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.

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

AIRTEC®

Diffuser Air Flow Specifications



GRILLE PATTERNS

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

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

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

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

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

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

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

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

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

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

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

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

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

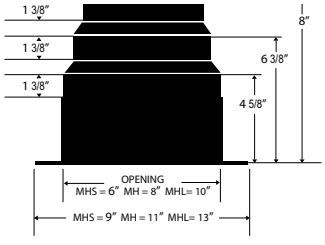
Note: Supply diameter has no appreciable effect on characteristics or airflow specifications, but should be consistent with the desired airflow of the particular outlet and application.
Instruments used in testing: • Shortridge Instruments Flowhood Series 8400 • Shortridge Instruments Air data Multimeter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

AIRTEC®

TuffBox
REGISTER BOX

Air Diffusers

Quick rough-in polymer register box for HVAC systems.



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

RS # (ref. #)	DESCRIPTION	CTN 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.

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

RECTORSEAL

Lineset Covers

Fortress® Lineset Ducting System

Slimduct® Lineset Ducting System

FORTRESS®
Lineset Ducting System

Lineset Covers

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

Fortress: • 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.**

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

3-Step Installation

Application. Fortress® is perfect for minisplits, 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.

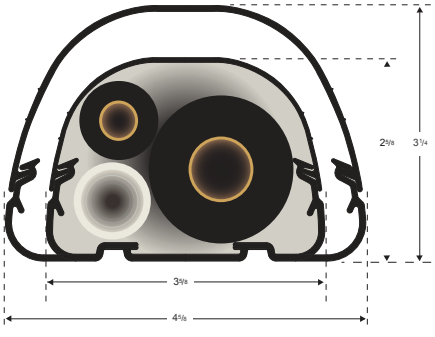
Technical Information

Weather Resistance

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

Temperature Range

-4°F to 140°F



Size Specifications

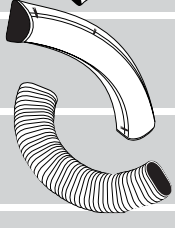
Choose duct size
LD92 or LD122

4 Colors for Residential & Commercial Applications

FORTRESS®
Lineset Ducting System

Lineset Covers
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 Ell	5 3/4″	5 3/4″	2 3/4″
	LK122	4 1/2	90° Flat Ell	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 Ell	4 7/8″	4 7/8″	2 3/4″
	LKF122	4 1/2	45° Flat Ell	6 1/2″	6 1/2″	3 1/2″
	LCI92	3 1/2	90° Inside Vertical Ell	5 1/4″	5 1/4″	2 3/4″
	LCI122	4 1/2	90° Inside Vertical Ell	5 1/4″	5 1/4″	3 1/2″
	LCO92	3 1/2	90° Outside Vertical Ell	4 1/2″	4 1/2″	2 3/4″
	LCO122	4 1/2	90° Outside Vertical Ell	5 1/4″	5 1/4″	3 1/2″
	LCFI92	3 1/2	45° Inside Vertical Ell	4 3/4″	3 7/8″	2 3/4″
	LCFI122	4 1/2	45° Inside Vertical Ell	6 1/4″	4 7/8″	3 1/2″
	LCFO92	3 1/2	45° Outside Vertical Ell	4 5/8″	3 7/8″	2 3/4″
	LCFO122	4 1/2	45° Outside Vertical Ell	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 Ell	13″	13″	2 3/4″
	LKS122	4 1/2	90° Sweep Ell	14″	14″	3 1/2″
	LF92	3 1/2	Flexible Ell	40″	3 1/2″	2 1/2″
	LF122	4 1/2	Flexible Ell	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	3½	Wall Flange	5″	6″	2 1/8″
	LWF122	4½	Wall Flange	6 1/2″	7 3/4″	2 5/8″

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

WHITE RS # (ref. #)	QTY	IVORY RS # (ref. #)	QTY	BROWN RS # (ref. #)	QTY	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	84162 (LCI122B)	1	84142 (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

NEW!

12' Wall Duct Kit

Kit includes 12' of duct and fittings for a standard installation. Available in white or ivory only.

LDK Kit includes:

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

Order:

84005 (LDK92W) - White **3 1/2**
84105 (LDK122W) - White **4 1/2**
84025 (LDK92I) - Ivory **3 1/2**
84125 (LDK122I) - Ivory **4 1/2**

NEW!

Ducting and fittings packaged 6 per box helps minimize inventory.

SLIMDUCT®
Lineset Ducting System

Lineset Covers

Attractive lineset ducting system for the professional installer.

SlimDuct: • Heavy weight professional grade • Gloss finish

- **3** **sizes.** 3 3/4", 4 1/2" and 5 1/2"
- **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.**

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

Quick Installation

Secure inlet base.

Secure duct base.

Place lineset.

Snap on covers.

Application. Slimduct® is perfect for minisplits, 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.

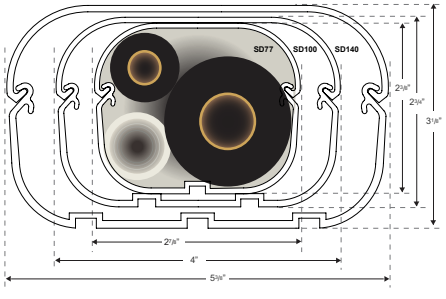
Technical Information

Weather Resistance

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

Temperature Range

-4°F to 140°F



Size Specifications

Choose duct size
SD77 or SD100.

3 Colors for Residential & Commercial Applications

White

Ivory

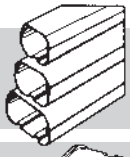
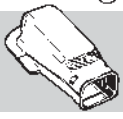
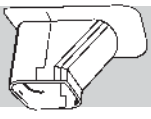
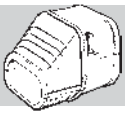
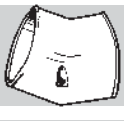
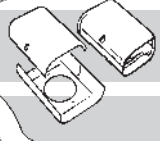
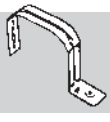
Brown

SLIMDUCT is a registered trademark of Inaba Denki Sangyo Co.

SLIMDUCT® Lineset Ducting System

Lineset Covers

Ordering Information

	MODEL	SIZE	DESCRIPTION
	SD77	2 3/4	Ducting
	SD100	3 3/4	Ducting
	SD140	5 1/2	Ducting
	SJ77	2 3/4	Coupler
	SJ100	3 3/4	Coupler
	SJ140	5 1/2	Coupler
	SW77	2 3/4	Wall Inlet
	SW100	3 3/4	Wall Inlet
	SW140	5 1/2	Wall Inlet
	SP77	2 3/4	Soffit Inlet
	SP100	3 3/4	Soffit Inlet
	SP140	5 1/2	Soffit Inlet
	SEN77	2 3/4	End Fitting
	SEN100	3 3/4	End Fitting
	SEN140	5 1/2	End Fitting
	SK77	2 3/4	90° Flat Ell
	SK100	3 3/4	90° Flat Ell
	SK140	5 1/2	90° Flat Ell
	SKF77	2 3/4	45° Flat Ell
	SKF100	3 3/4	45° Flat Ell
	SKF140	5 1/2	45° Flat Ell
	SC77	2 3/4	90° Vertical Ell
	SC100	3 3/4	90° Vertical Ell
	SC140	5 1/2	90° Vertical Ell
	SCF77	2 3/4	45° Vertical Ell
	SCF100	3 3/4	45° Vertical Ell
	SCF140	5 1/2	45° Vertical Ell
	ST77	2 3/4	Tee
	ST100	3 3/4	Tee
	ST140	5 1/2	Tee
	SDR10077	3 3/4 -2 3/4	Reducer
	SDR140100	5 1/2 -3 3/4	Reducer
	SJA100	3 3/4	Rear Entry Coupler
	SJA140	5 1/2	Rear Entry Coupler
	SIF77	2 3/4	2” Fixed Offset
	SIF100	3 3/4	2” Fixed Offset
	SF77500	2 3/4	Flexible Ell 20”
	SF771000	2 3/4	Flexible Ell 31”
	SF100800	3 3/4	Flexible Ell 31”
	SF140800	5 1/2	Flexible Ell 39”
	SFJ77	2 3/4	Flexible Adaptor
	SFJ100	3 3/4	Flexible Adaptor
	SFS77	2 3/4	Flexible Ell Saddle
	SFS100	3 3/4	Flexible Ell Saddle
	SFS140	5 1/2	Flexible Ell Saddle

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

L	W	H	WHITE RS # (ref. #)	QTY	IVORY RS # (ref. #)	QTY	BROWN RS # (ref. #)	QTY
78″	2 7/8″	2 3/8″	85004 (SD77W)	5	85024 (SD77I)	5	85064 (SD77B)	5
78″	4″	2 3/4″	85104 (SD100W)	5	85124 (SD100I)	5	85164 (SD100B)	5
78″	5 3/8″	3 1/4″	85204 (SD140W)	5	85224 (SD140I)	5	85264 (SD140B)	5
2″	3 3/8″	2 5/8″	86010 (SJ77W)	10	86030 (SJ77I)	10	85370 (SJ77B)	1
2 1/2″	4 1/4″	3″	86110 (SJ100W)	10	86130 (SJ100I)	10	85470 (SJ100B)	1
3 1/2″	5 3/4″	3 3/8″	86210 (SJ140W)	10	86230 (SJ140I)	10	85570 (SJ140B)	1
8″	4 3/8″	3″	86016 (SW77W)	10	86036 (SW77I)	10	85376 (SW77B)	1
8 3/4″	5″	3 3/8″	86116 (SW100W)	10	86136 (SW100I)	10	85476 (SW100B)	1
11″	6 1/2″	3 7/8″	85216 (SW140W)	5	85236 (SW140I)	5	85576 (SW140B)	1
5 1/8″	4 3/8″	5 1/8″	85014 (SP77W)	20	85034 (SP77I)	20	85374 (SP77B)	1
5 3/8″	5 3/8″	5 3/8″	86114 (SP100W)	10	86134 (SP100I)	10	85474 (SP100B)	1
5 3/4″	6 7/8″	5 3/4″	85214 (SP140W)	5	85234 (SP140I)	5	85574 (SP140B)	1
1 3/4″	3 1/4″	2 5/8″	86007 (SEN77W)	10	86027 (SEN77I)	10	85367 (SEN77B)	1
4 1/2″	4 1/4″	3″	86107 (SEN100W)	10	86127 (SEN100I)	10	85467 (SEN100B)	1
6″	5 3/4″	3 3/8″	86207 (SEN140W)	10	86227 (SEN140I)	10	85567 (SEN140B)	1
5″	2 5/8″	5″	86011 (SK77W)	10	86031 (SK77I)	10	85371 (SK77B)	1
6″	3″	6″	86111 (SK100W)	10	86131 (SK100I)	10	85471 (SK100B)	1
7 1/2″	3 3/8″	7 1/2″	85211 (SK140W)	5	85231 (SK140I)	5	85571 (SK140B)	1
4 1/2″	3 1/4″	2 5/8″	85012 (SKF77W)	20	85032 (SKF77I)	20	85372 (SKF77B)	1
5 1/4″	4 1/4″	3″	86112 (SKF100W)	10	86132 (SKF100I)	10	85472 (SKF100B)	1
6 1/4″	5 3/4″	3 3/8″	85212 (SKF140W)	5	85232 (SKF140I)	5	85572 (SKF140B)	1
4″	3 1/4″	4″	86002 (SC77W)	10	86022 (SC77I)	10	85362 (SC77B)	1
4 5/8″	4 1/4″	4 5/8″	86102 (SC100W)	10	86122 (SC100I)	10	85462 (SC100B)	1
5″	5 3/4″	5″	85202 (SC140W)	5	85222 (SC140I)	5	85562 (SC140B)	1
4 1/8″	3 1/4″	2 5/8″	85000 (SCF77W)	20	85020 (SCF77I)	20	85360 (SCF77B)	1
4 3/8″	4 1/4″	3″	86100 (SCF100W)	10	86120 (SCF100I)	10	85460 (SCF100B)	1
4 5/8″	5 3/4″	3 3/8″	85200 (SCF140W)	5	85220 (SCF140I)	5	85560 (SCF140B)	1
6 1/2″	4 7/8″	2 5/8″	86015 (ST77W)	10	86035 (ST77I)	10	85375 (ST77B)	1
7 7/8″	6″	3″	86115 (ST100W)	10	86135 (ST100I)	10	85475 (ST100B)	1
9 7/8″	7 7/8″	3 1/2″	85215 (ST140W)	5	85235 (ST140I)	5	85575 (ST140B)	1
2 1/2″	4 1/4″	3″	85106 (SDR10077W)	20	85126 (SDR10077I)	20	85466 (SDR10077B)	1
4″	5 3/4″	3 3/8″	82606 (SDR140100W)	10	86226 (SDR140100I)	10	85566 (SDR140100B)	1
5 7/8″	4 1/4″	3″	85119 (SJA100W)	20	85139 (SJA100I)	20	85479 (SJA100B)	1
6 3/8″	5 5/8″	3 1/4″	86219 (SJA140W)	10	86239 (SJA140I)	10	85579 (SJA140B)	1
7 1/8″	3 1/4″	3 1/4″	86018 (SIF77W)	10	86038 (SIF77I)	10	85378 (SIF77B)	1
7 1/8″	4 1/4″	4 1/4″	86118 (SIF100W)	10	86138 (SIF100I)	10	85478 (SIF100B)	1
19 1/2″	3″	2 1/2″	85008 (SF77500W)	20	85028 (SF77500I)	20	85368 (SF77500B)	1
2 3/4	3″	2 1/2″	N/A		85188 (SF771000I)	20	N/A	
31 1/2″	4″	2 3/4″	86108 (SF100800W)	10	86128 (SF100800I)	10	85468 (SF100800B)	1
31 1/2″	5 3/4″	3 3/8″	85208 (SF140800W)	5	85228 (SF140800I)	5	85568 (SF140800B)	1
1 3/8″	3 1/4″	2 1/2″	85009 (SFJ77W)	20	85029 (SFJ77I)	20	85369 (SFJ77B)	1
1 1/2″	4 1/4″	3″	85109 (SFJ100W)	20	85129 (SFJ100I)	20	85469 (SFJ100B)	1
1 3/8″	3 1/4″	2 1/2″	Stainless Steel:		86001 (SFS77)	10		
1 1/2″	4 1/4″	3″			86101 (SFS100)	10		
1 1/2″	4 1/4″	3″			86201 (SFS140)	10		

NOVENT®
Locking Refrigerant Caps

Dual protection
One simple screw-on installation.

ORDERING INFORMATION

Pink R410 Cap 1/4" Thread
RS # (ref. #)

86682 (NP-R410)	2PK	2 cap blister pack
86681 (NP-R410)	10PK	10 cap blister pack
86683 (NP-R410)	50PK	50 cap blister pack

Green R22 Cap 1/4" Thread
RS # (ref. #)

86662 (NG-R22)	2PK	2 cap blister pack
86661 (NG-R22)	10PK	10 cap blister pack
86663 (NG-R22)	50PK	50 cap box

Euro Pink R410 cap 5/16" Thread
RS # (ref. #)

86672 (NPE-R410)	2PK	2 cap blister pack
86671 (NPE-R410)	10PK	10 cap blister pack
86673 (NPE-R410)	50PK	50 cap box

Silver Cap - any gas 1/4" Thread
RS # (ref. #)

86692 (NS-UNI)	2PK	2 cap blister pack
86691 (NS-UNI)	10PK	10 cap blister pack
86693 (NS-UNI)	50PK	50 cap box

Starter Pack assortments
RS # (ref. #)

86668 (NG-STARTPAK)	(3) R22, (3) R410 caps & (1) Multi key
86680 (NP-STARTPAK)	(6) R410 caps & (1) Multi key
86690 (NS-STARTPAK)	(6) UNI caps & (1) Multi key

Multikey unlocks all caps
RS # (ref. #)

86698 (NV MULTI-KEY)	20PK	1 Multi key blister pack

Screwdriver key unlocks Pink & Euro Pink caps
RS # (ref. #)

86688 (NP-R410 SDT)	20PK	1 screwdriver

Screwdriver key unlocks Green & Silver caps
RS # (ref. #)

86660 (NG-R22-SDT)	20PK	1 screwdriver

Caps available in blister packs of 2 or 10 & box of 50.

NOVENT® products are available only to licensed refrigerant technicians and authorized personnel. They are distributed exclusively through HVACR distributors worldwide.

NOVENT® is a registered trademark of Novent cap, LLC.

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

NOVENT® locking caps seal standard Schraeder service valves on all central AC units and minisplits to help prevent refrigerant leakage. Novent provides dual protection with a single screw-on installation. Safe guard your AC system's efficiency and the environment from lost or accidental mixing of refrigerant gases. Help protect children from serious injury or death resulting from the inhalation of dangerous refrigerants.

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.

- **Integral neoprene O-ring resists oils & sealants.**
- **Integral torque limiter prevents overtightening.**
- **Resists crushing & removal without key.**
- **Corrosion resistant.**
- **Selection of installation tools available.**

SILVER universal caps are used for commonly used refrigerants.

R22 & **R410** color coded caps and embossed ID prevent refrigerant gas mixing.

It's in the Code

Effective February 2009 the International Mechanical Code and International Residential Code now require that all outdoor access ports on AC 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."

RECTORSEAL

Quality Assurance

CELEBRATING 75 YEARS
1937 - 2012

RectorSeal understands the importance of delivering high quality consistent products to customers on a daily basis. Whether you are using our ASTM tested fluxes, NSF certified solvent cements, or UL listed Firestopping caulks, be assured each product has passed strict standards of quality and performance.

Our Quality Assurance Team covers each and every aspect of the manufacturing process: from the initial inspection of raw materials, to on-site monitoring throughout production and onto the rigorous final inspection.

RectorSeal's state of the art laboratory, quality assurance technicians utilize a wide range of instruments to provide high quality products consistently.

You can depend on RectorSeal's expertise & 75 years of manufacturing experience. Our goal is to ensure that every time you use our products, they work.

RECTORSEAL

Equipment Mounting

Big Foot® Mounting

Frame Supports

**RectorSeal®
Universal Brackets**

Risers

BIG FOOT SYSTEMS®

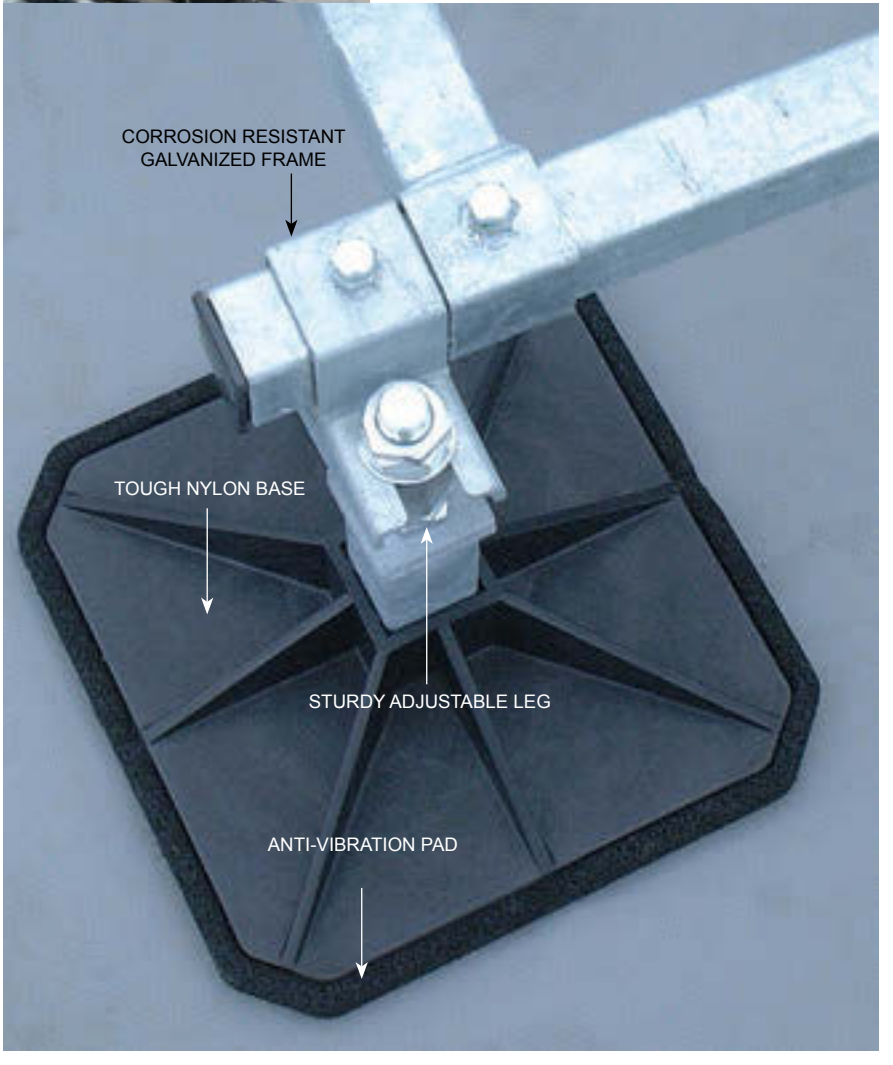
Equipment Mounting

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

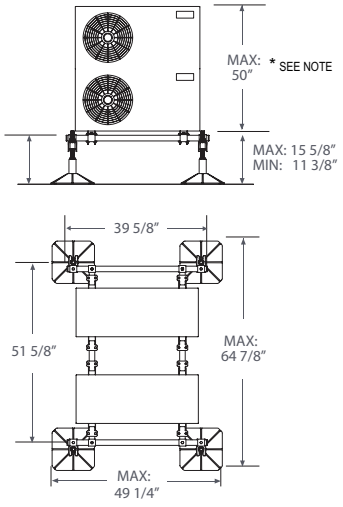
Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

Equipment Mounting

Standard Frameworks

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 and optimum weight distribution
- Anti-vibration mats for firmer, quieter operation
- Galvanized clamps for equipment lock-down

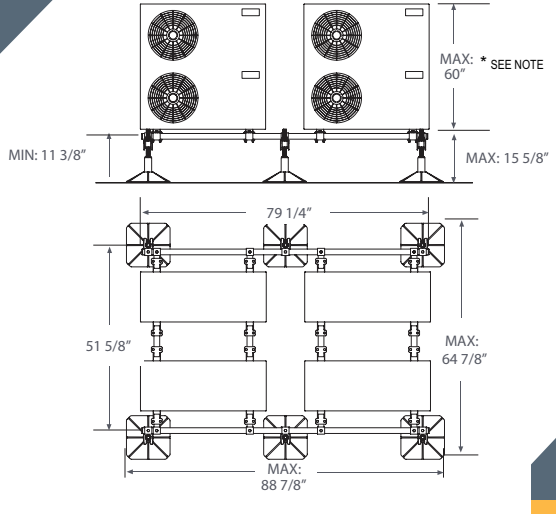


SYSTEM COMPONENTS

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

40" System Framework

RS #	STYLE	WT LBS
87701	(RES4840)	93



SYSTEM COMPONENTS

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

80" System Framework

RS #	STYLE	WT LBS
87702	(RES4880)	154

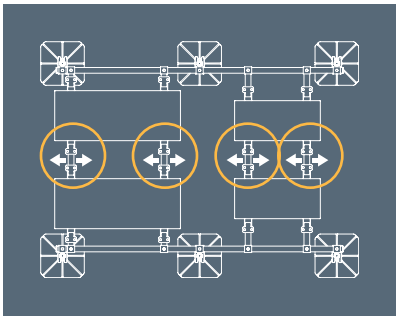
Big Foot is a registered trademark of Aspen Pumps Limited Company UK
Big Foot Systems is a registered trademark of Aspen Pumps Limited Company UK

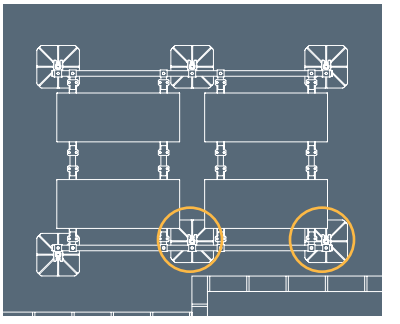
*NOTE: For condensers higher than 60" please consult RectorSeal.
Additional individual parts available.

BIG FOOT SYSTEMS®

Equipment Mounting

Standard Frameworks

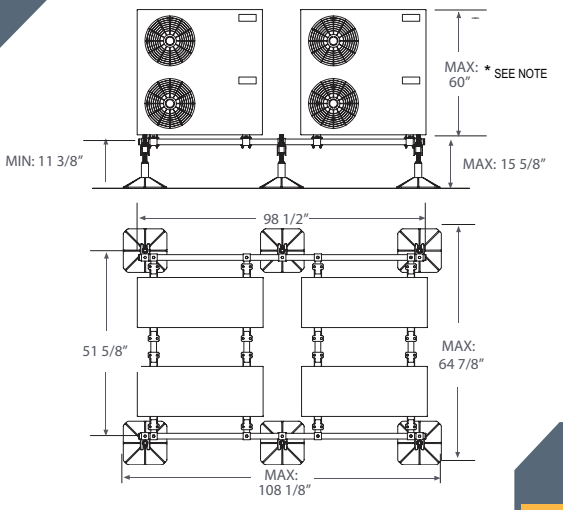




Equipment Clamps are moveable and located on both sides of the cross-bars. Clamps lock down onto the feet of the equipment units as they are tightened.

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.

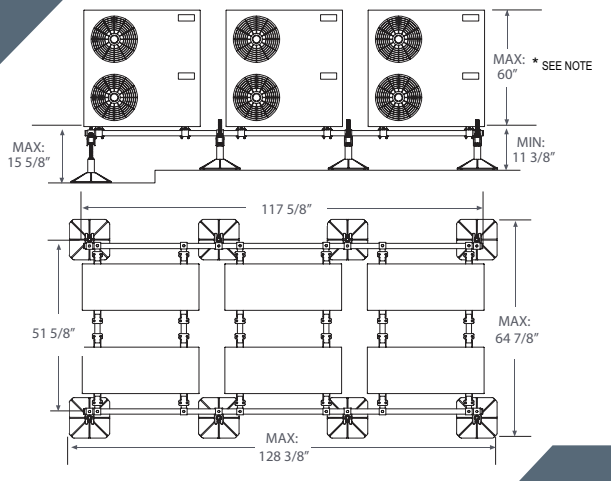


SYSTEM COMPONENTS

(2) Plain Bars 1 5/8” x 98 1/4”
(4) Cross Bars 1 5/8” x 46 7/8”
(6) Leg Assemblies with AV Mats 12” x 12”
(4) Clamp Kits

100” System Framework

RS #	STYLE	WT LBS
87703	(RES48100)	157



SYSTEM COMPONENTS

(2) Plain Bars 1 5/8” x 117 5/8”
(4) Cross Bars 1 5/8” x 46 7/8”
(8) Leg Assemblies with AV Mats 12” x 12”
(6) Clamp Kits

120” System Framework

RS #	STYLE	WT LBS
87704	(RES48120)	214

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

*NOTE: For condensers higher than 60” please consult RectorSeal.
Additional individual parts available.

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

Frame Supports

Frame Supports are ideal for constructing your own support system on rooftops, floors or slabs.

Frame Supports provide the base and essential hardware. This system can then be used for piping, tray systems, or ductwork. The bases include crumb rubber mats to cushion and protect the roof or other surface. Framework must be cut and fit onsite using readily available 1 5/8″ strut and threaded rod (not included).

87711
H = 3 3/4″
W = 7″
L = 15 3/4″

87712
H = 3 7/8″
W = 8 1/2″
L = 23 5/8″

RS # (ref. #)	DESCRIPTION	WT LBS.
87711 (RPS16)	MULTI FOOT 16″	2.3
87712 (RPS24)	MULTI FOOT 24″	4.2

Multi Foot can accept both 1/2″ coarse threaded rod OR 1 5/8″ strut (not included) Installer must provide rod or strut for custom on-site fabrication. Ideal for smaller systems.

Sold individually.

Materials: Rubber/PVC

Multi Foot kit includes:
1 foot, 1 anti-vibration mat

Max weight capacity:
RPS16 - 170 lbs
RPS24 - 312 lbs

87713
H = 3 3/4″
W = 13 1/4″
L = 13 1/4″

87714
H = 4 3/4″
W = 19″
L = 19″

RS # (ref. #)	DESCRIPTION	WT LBS.
87713 (RSPD12)	H-FRAME KIT 12″	14.5
87714 (RSPD18)	H-FRAME KIT 18″	28.5

H-Frame Kits accepts a standard 1 5/8″ strut (not included) that fits securely into pockets provided in the foot. Any frame shape can then be built up for sturdy support. UV mats provide insulation from vibration, creeping and noise.

Sold in pairs.

Materials: Rubber/PVC

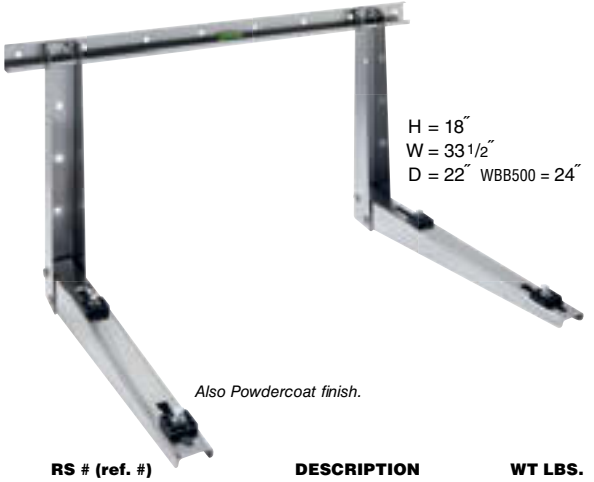
H-Frame Kit includes:
2 feet, 2 AV mats, 2 strut inserts
2 L-Brackets, 4 M10 Bolts, 4 channel nuts

Max weight capacity:
RPSD12 - 200 lbs (per pair)
RPSD18 - 330 lbs (per pair)

Universal Brackets

Mini-Split Condenser Universal Mounting Brackets

Brackets are ideal for a variety of mounting locations, and offer strong, secure support for condensers and other equipment needing specialized support. All of our brackets are partially assembled heavy duty steel construction with a selection of weatherable surface finishes. They also have adjustable anti-vibration mounts and include all hardware for a typical installation.



RS # (ref. #)	DESCRIPTION	WT LBS.
87733 (WBB300)	WALL BRACKET	11
87734 (WBB300SS)	WALL BRACKET	14
87735 (WBB500)	WALL BRACKET	14

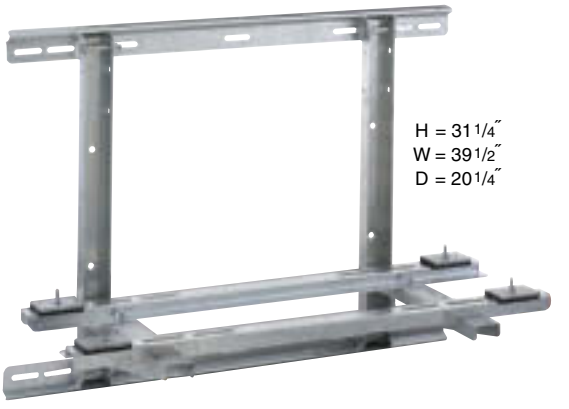
Sliding cross bar gives this bracket an exceptional equipment width range. Available in stainless steel Includes level for convenience.

Finish:
WBB300 - Powdercoat
WBB300SS - Stainless
WBB500 - Powdercoat

Min/Max mounting width: 9 3/4″ - 30″

Min/Max mounting depth: 10 1/2″ - 16″

Max load capacity:
WBB300/WBB300SS - 300 lbs
WBB500 - 500 lbs



RS # (ref. #)	DESCRIPTION	WT LBS.
87732 (PCK30)	WALL BRACKET	30

This bracket offers a galvanized finish along with extra integral cross bracing for the ultimate in stability.

Finish: Galvanized

Min/Max mounting width: 15 3/4″ - 35 1/4″

Min/Max mounting depth: 9 3/4″ - 15″

Max load capacity: 330 lbs

RS # (ref. #)	DESCRIPTION	WT LBS.
87731 (CBZG)	UNDER WINDOW BRACKET	9

Having a top cross bar allows this bracket to be installed under a window or other obstacle. Ideal for window type air conditioner support.

Finish: Galvanized

Min/Max mounting width: 11 3/4″ - 27 1/2″

Min/Max mounting depth: 6 1/4″ - 13″

Max load capacity: 176 lbs

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

Universal Brackets

H = 28 1/2″
W = 31 1/2″
D = 20″

RS # (ref. #)	DESCRIPTION	WT LBS.
87742 (CDF)	HANGER BRACKET	12

Permits condenser to be supported under a slab, overhang or structural member.

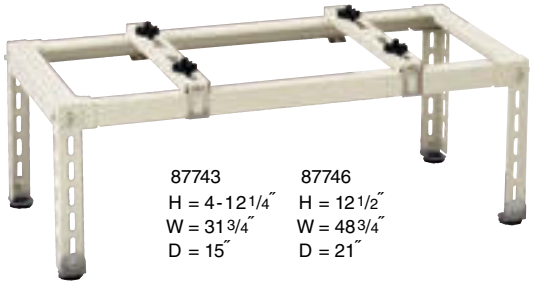
Finish: Powdercoat

Min/Max mounting width: 12″ - 28″

Min/Max mounting depth: 6″ - 13″

Max weight capacity: 132 lbs

Also Powdercoat finish.



87743
H = 4-12 1/4″
W = 31 3/4″
D = 15″

87746
H = 12 1/2″
W = 48 3/4″
D = 21″

RS # (ref. #)	DESCRIPTION	WT LBS.
87743 (CNG)	SLAB STAND	11
87746 (PCNG63)	SLAB STAND	32

Raises condenser up above a flat surface. Each leg is independently adjustable for uneven surfaces. Anti-slip rubber feet.

Finish: 87743 - Powdercoat 87746 - Galvanized

Min/Max mounting width:
87743 - 11 3/4″ - 27 1/2″ 87746 - 28 3/4″ - 38 1/2″

Min/Max mounting depth:
87743 - 6 1/4″ - 13 1/4″ 87746 - 23 1/4″ - 30 1/4″

Max weight capacity:
87743 - 176 lbs 87746 - 440 lbs

87741
H = 36 1/4″
W = 15 1/2″
D = 32″

87744
H = 36 1/4″
W = 17″
D = 36″

RS # (ref. #)	DESCRIPTION	WT LBS.
87741 (CBYW3)	DUPLEX STAND	24
87744 (CWGL)	DUPLEX STAND	24

Securely mounts two condenser units, one above the other. Includes anti-slip rubber feet.

Finish: Powdercoat

Min/Max mounting width:
CBYW3 - 11 7/8″ - 27 1/2″ CWGL - 15 3/4″ - 31 1/2″

Min/Max mounting depth:
CBYW3 - 6 1/4″ - 13 3/8″ CWGL - 7 7/8″ - 15″

Max weight capacity:
CBYW3 - 76 lbs x 2 CWGL - 176 lbs x 2

H = 22″
W = 39 1/2″
D = 22″

RS # (ref. #)	DESCRIPTION	WT LBS.
87745 (WRB250)	SLOPE STAND	13

Adjustable bracket follows roof slope up to 45 degrees or 12 inch pitch providing a level mounting surface. Includes level.

Finish: Powdercoat

Min/Max mounting width: 6″ - 35″

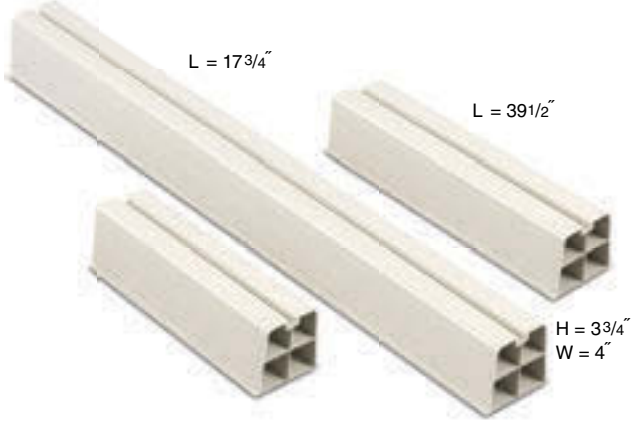
Min/Max mounting depth: 10″ - 19″

Max weight capacity: 250 lbs

Risers

Mini-Split Condenser Risers

Riser are ideal for simple and secure mounting of small and large piping systems, ductwork runs, cable trays, and smaller equipment such as condensers. Manufactured from exterior grade materials and offering a fully adjustable mounting track.
Not recommended for large equipment.

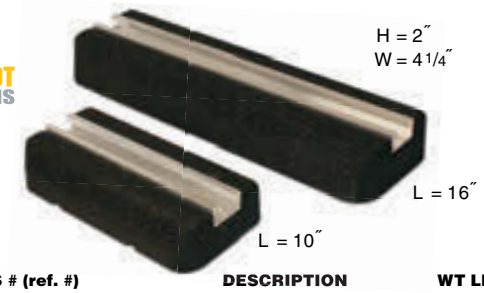


RS # (ref. #)	DESCRIPTION	WT LBS.
87761 (PR-351N-I)	POLYMER RISER 14″ (20)	29
87762 (PR-351N-M)	POLYMER RISER 18″ (20)	41
87763 (PR-351N-L)	POLYMER RISER 39″ (4)	16
87760 (PRC-351N)	END CAPS (1 pair)	7

Our Polymer Risers are light, durable, and weather resistant.
Linear track holds 3/8″ hex head bolts - two 7/8″ long bolts included.
End caps available.

Material: PVC

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



RS # (ref. #)	DESCRIPTION	WT LBS.
87772 (RMB10L)	FIX-IT-FOOT LOW 10″	2.3
87774 (RMB16L)	FIX-IT-FOOT LOW 16″	3.7

Low Profile Rubber Risers offer significant vibration isolation, and are ideal for rooftop support of equipment and systems. Aluminum linear track permits the use of standard strut hardware (not included). Underside has recessed area to permit easy leveling.

Materials: Recycled Crumb Rubber/Aluminum

Max weight capacity:
RMB10L - 110 lbs RMB16L - 220 lbs

RS # (ref. #)	DESCRIPTION	WT LBS.
87771 (RMB10)	FIX-IT-FOOT 10″	4.2
87773 (RMB16)	FIX-IT-FOOT 16″	7.5
87775 (RMB24)	FIX-IT-FOOT 24″	16

Similar to the low profile model, these risers have additional vibration isolation due to their increased height. Their extra weight will increase stability. Aluminum channel accepts standard unistrut hardware.

Max weight capacity:
RMB10 - 220 lbs RMB16 - 440 lbs RMB24 - 660 lbs

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RECTORSEAL

Speciality Chemicals

Thread Sealants

Solvent Cements

Soldering Fluxes

Metacaulk® Firestop

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

Also available in 55 gal. container.

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

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

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.

FEATURES

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

FILE NO. 1282

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

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

FEATURES

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

FILE NO. 1282

*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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Solvent Cements & Soldering Fluxes

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

NSF PW-G-DWV
IAPMO FILE NO. 4585

FEATURES
- Fast acting
- Superior bonding
- LEED compliant
- 2 year shelf life
- Low-VOC
- Meets ASTM F656 specs

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

NSF PW-G-DWV-SW
IAPMO FILE NO. 1796

FEATURES
- Fast setting formula
- LEED compliant
- NSF approved for potable water
- 2 year shelf life
- Exceeds ASTM D2564 & D3138 specs

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 • ABS to PVC non-pressured transition joints • Schedule 40 up to 2" pressure; up to 4" non-pressure pipe (DWV)

Recommended for
• Potable water
• Pressure pipe • Gas
• Conduit • Sewers
• DWV systems

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

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

NSF Certified to NSF/ANSI 61-G

FEATURES
- Lead Free
- Cleans & fluxes all at one time
- Safe for potable water systems
- Certified to NSF/ANSI 61-G
- 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

Reuseable waterproof abrasion

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

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

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

metacaulk®
FIRESTOPPING SOLUTIONS

Firestop Sealants

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 under constant vibration and 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 • 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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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
- Excellent 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 • Can be used in areas under constant vibration or movement

Recommended for
- Metal • Insulated
- 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 systems where dynamic movement is expected • 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

metacaulk® FIRESTOPPING SOLUTIONS

Pre-Fabricated Devices

Easy to Install Devices with Metacaulk® Firestop Built-In

Metacaulk® Pipe Collars

Prefabricated firestop system

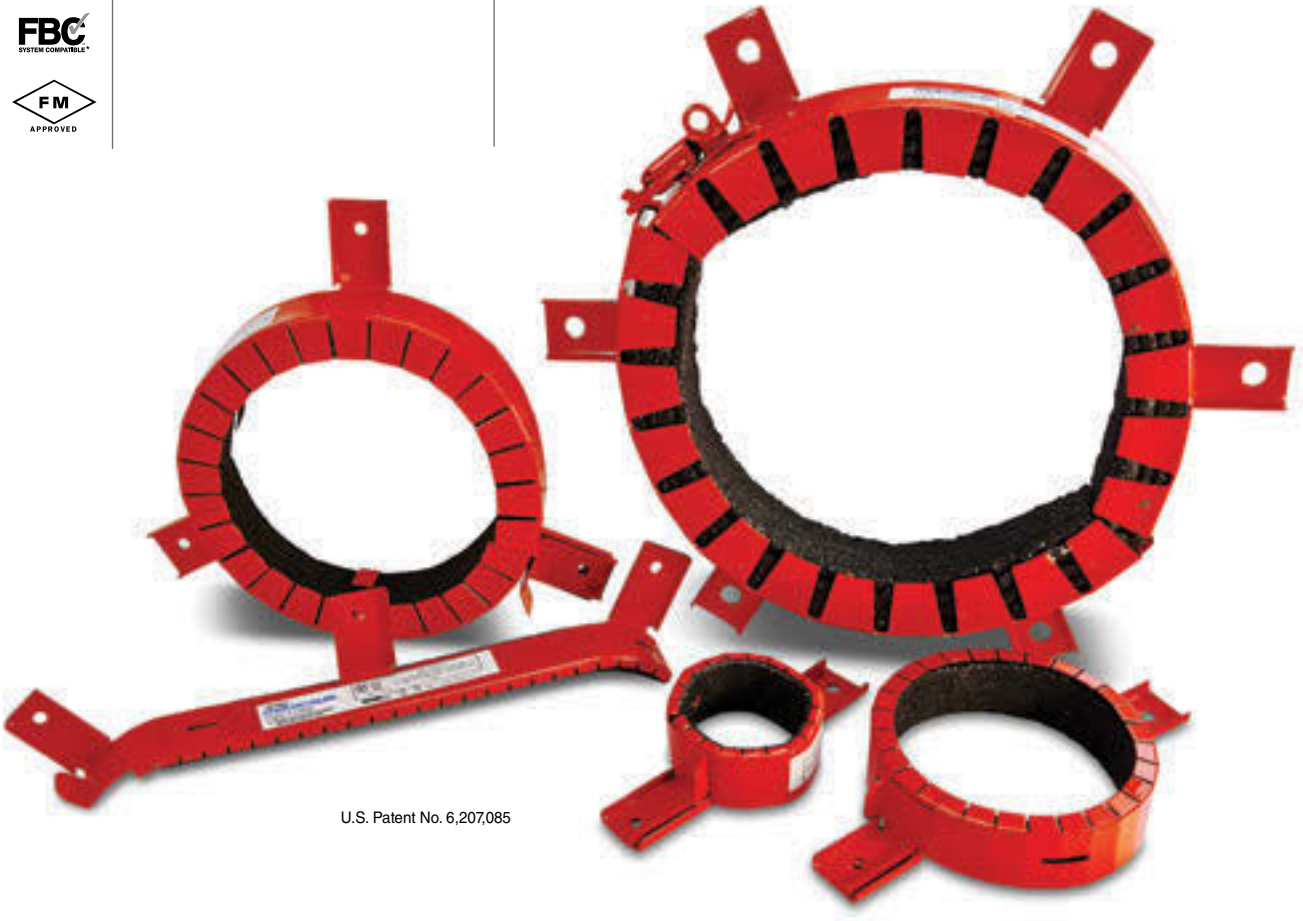
Code	Description	Qty.
66352	1-½"	12
66353	2"	12
66350	3"	6
66351	4"	6
66354	6"	2

FEATURES

- No measurements of material
- Fits in limited access areas
- 25% reduction of installation time

Application • UL classified for both open and closed pipe systems • Simple locking mechanism for easy installation

Recommended for • PVC • CPVC • ABS • PVC foam core • ABS foam core • FRPP • PEX pipe • Electrical cable



U.S. Patent No. 6,207,085

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

Metacaulk® Pass-Thru

Pre-firestopped, shaped sleeves

Code	Description	Qty.
66770	2-½" square	6
66773	4" square	6
66776	2" round	6
66779	4" round	6
66740	2-½" single sq. bracket	6
66743	2-½" double sq. bracket	3
66746	2-½" triple sq. bracket	2
66749	2-½" sixplex sq. bracket	1
66752	4" single sq. bracket	6
66755	4" double sq. bracket	3
66758	4" triple sq. bracket	2
66761	4" sixplex sq. bracket	1
66764	2" round bracket	6
66767	4" round bracket	6

Application • Seals cables or pipes that penetrate thru 1 & 2 hour fire rated walls & floors • Square or round shaped steel sleeves with intumescent material • Opens for easy installation, retrofit or removal of cables

Recommended for • Electrical • Datacom • Communication cables • Pipes

See ordering chart for other available parts

FEATURES

- Easy to install & change cables
- Great for retrofit
- Highly intumescent
- Industry leading "L" rating

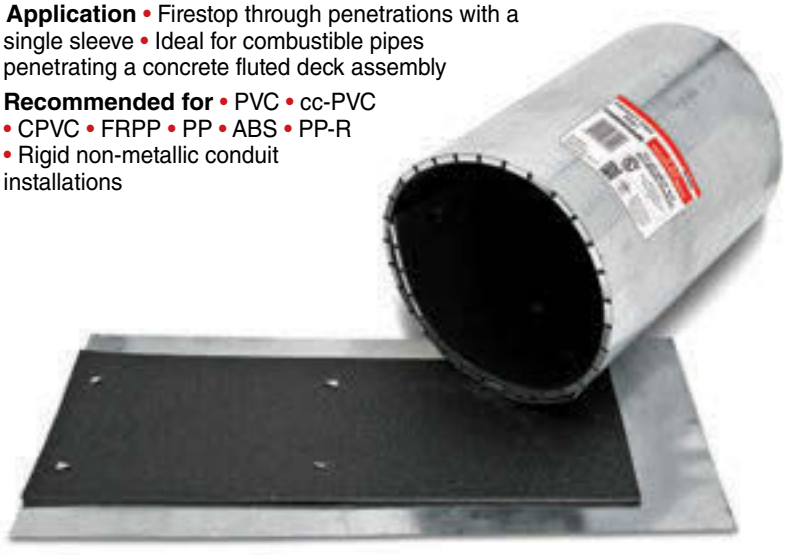
Metacaulk® Intumescent Sleeve

Firestop seal

Code	Description	Qty.
66584	For 2", 3" & 4" Pipe	6
66582	For 6" & 8" Pipe	1

Application • Firestop through penetrations with a single sleeve • Ideal for combustible pipes penetrating a concrete fluted deck assembly

Recommended for • PVC • cc-PVC • CPVC • FRPP • PP • ABS • PP-R • Rigid non-metallic conduit installations



FEATURES

- No steel bolts or fasteners
- Can be retrofitted
- Flexible

RECTORSEAL

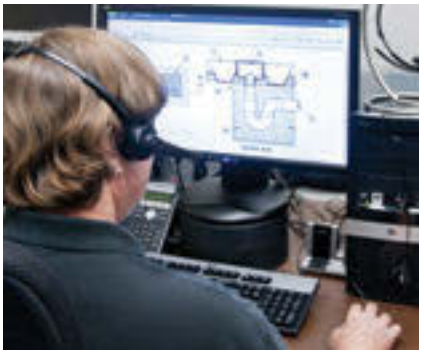
Technical Service

CELEBRATING 75 YEARS
1937 - 2012

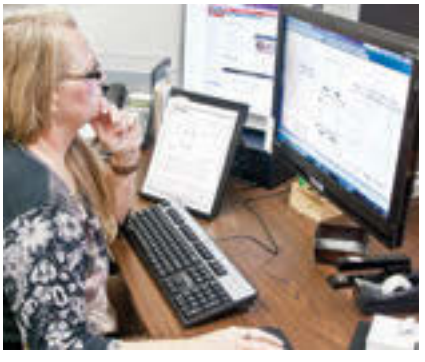
You can depend on our knowledgeable Technical Service staff to share their expertise on any of our over 350 products. We are dedicated to providing comprehensive product support to all of our customers from Architects, Engineers, Local Inspectors, Contractors to the general consumer. We will be there to provide the correct solution for all of your product questions.

You can trust that RectorSeal's Technical Service will give you the best solution for your problem, promptly. We can be reached via Email at
techservice@rectorseal.com

For the last 75 years, our Technical Service staff has been an excellent source of product information & application support.



Technical Service staff personally answers phone calls & provides one-on-one assistance.



RectorSeal's In-house AutoCAD design team is able to provide immediate jobsite solutions.

Our state-of-the-art, UL Certified laboratory facility tests all firestopping materials.

Staff provides answers for all of your environmental and safety concerns.

RECTORSEAL

Air Conditioning Chemicals

Coil Cleaners

Leak Locators

Cleaners & Treatments

Cooling Tower Treatments

Evaporative Cooler Treatments

Coil Cleaners

Deep Penetrating Aerosols

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

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

Coil Cleaners

Concentrated Acid & Non-Acid Liquids

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	14 oz. aerosol	12

FEATURES
- Non-acid
- Non-flammable

Application • Foaming biodegradeable 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

RECTORSEAL®

Air Conditioning Chemicals

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

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 20ºF to 250ºF

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

FBC SYSTEM COMPATIBLE*

FEATURES

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

*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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Cleaners & Treatments

Remove scale & slime.

Nickel-Safe Ice Machine Cleaner

Food grade cleanser

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

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

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

Liquid Descalit™

Scale remover

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

FEATURES
- Anti-foaming
- Color changing strength indicator

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

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

Raindrop™

Humidifier treatment

Code	Description	Qty.
88444	12 tablets	36

FEATURES
- EPA reg. no. 51219-1

Application • Controls foul-smelling odors and growth of slime through bacteriostatic action • Keeps pads clean and soft for a more efficient operation

Recommended for
• Portable & central humidifiers

Humidex™ Tablets

Humidifier treatment

Code	Description	Qty.
88442	12 tablets	24

FEATURES
- Eliminates clogging hard water scale, encrusted silt & corrosion

Application • Prevents and eliminates corrosion, scale and muck • Keeps pads clean and soft for a more efficient operation

Recommended for
• Power & plate type humidifiers

RECTORSEAL

Cooling Tower & Evaporative Cooler Treatments

CTT™-SM — Self-metering cooling tower treatment

Code	Description	Qty.
68032	16 tablet tube	

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
• One tube treats units up to 10 tons

Recommended for
• Cooling towers

CTT™-Tablets — Feeder tablets

Code	Description	Qty.
68034	20 tablet tube	
68038	300 tablet pail	

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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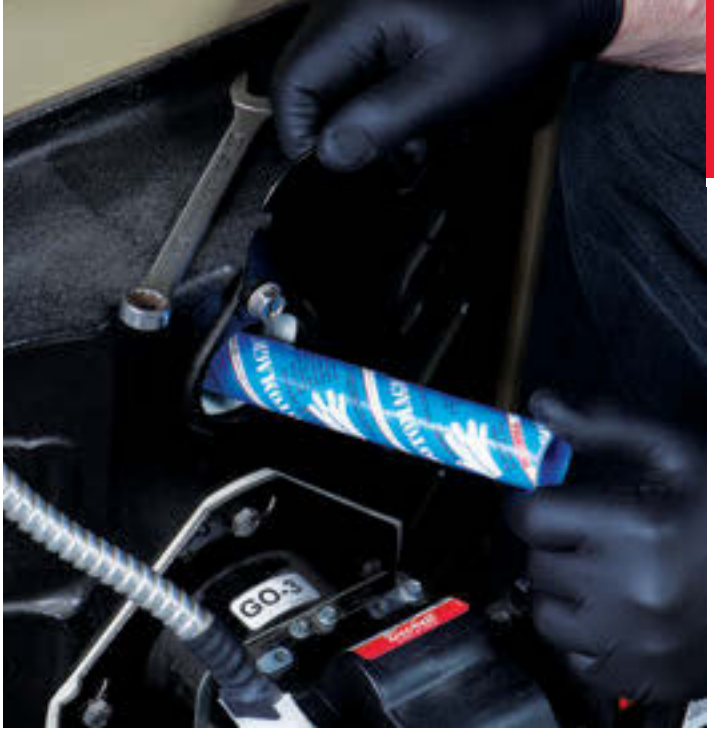

RECTORSEAL

Heating Chemicals

Soot Removers

Fuel Oil Deodorizers & Absorbents

Fuel Tank & Line Treatments

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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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

Fuel Tank & Line Products

Treatments & Water Detection

Season Oil™

Year-round fuel oil treatment

Code	Description	Qty.
86322	16 oz.	12

FEATURES
- Improves oil flow
- Protects oil during storage

Application • Contains anti-freeze and additives to prevent sludge, varnish, oil oxidation and fuel degradation
• Dissolves sludge, removes water, prevents corrosion, waxing and gelling

Recommended for
• Fuel tanks

Aquasorb™

Inhibits corrosion-caused leaks

Code	Description	Qty.
68402	1 pt.	12
68404	1 qt.	12

FEATURES
- Contains no lead

Application • The most powerful water and sludge dispersant for fuel tanks
• Prevents ice blockage, sputtering flame, flame failure and sludge

Recommended for
• Fuel tanks

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Tanktex™ — Liquid water detector

Code	Description	Qty.
68462	2 oz.	24

FEATURES
- Turns violet on contact with water
- Squeezable bottle

Application • Detects the presence of water in petroleum and petroleum-based products • If water is present, treat fuel oil with Aquasorb™

Recommended for
- Fuel oil & gasoline tanks

Testmaster™ — Paste water detector

Code	Description	Qty.
68466	1-¾ oz.	24

FEATURES
- Won't separate or lose color
- Specified by USAF for use in jet aviation fuels

Application • Detects and locates water in fuel oil and gasoline tanks • Shows exact volume present by turning fluorescent yellow-green on the dip stick • If water is present, treat fuel oil with Aquasorb™

Recommended for
- Fuel oil & gasoline tanks

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

Boiler Products

Water Treatments & Sealants for Steam & 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

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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

Steamaster™ 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

Cleaners

Hi-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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RectorSeal® RS 136

Fireblock / smoke seal caulk

Code	Description	Qty.
66408	10.3 oz. cartridge	12

FEATURES
- Easy application
- Interior applications
- 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

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

Contact: RectorSeal® P 713-263-8001 | 800-231-3345 F 713-263-7577 | 800-441-0051 W www.rectorseal.com

Buz-Awf™ — Wasp and hornet spray

Code	Description	Qty.
84390	16 oz. aerosol	12

FEATURES
- High pressure spray
- Shoots 20 ft stream
- 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

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

NSF Certified to NSF/ANSI 61-G

FEATURES
- Mixes like putty
- Hardens in minutes
- Can be drilled, taped, filed, machined, sanded and painted
- 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

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

Reference Charts

Coil Cleaner Recommendations

Applications	Con-Coil™	Renewz™	K.O. Dirt Blaster™	Coil-Rite™	Foam-A-Coil™	Clean-N-Safe™
Best for Cleaning:						
Condenser Coils	●	●			●	
Evaporator Coils				●	●	●
Air Filters		●	●	●	●	●
Small Condenser Coils & Fans			●			●
Motors & Relays			●			
Heating Equipment			●			●
Removes:						
Oil & Grease		●	●	●	●	●
Cooking Grease		●	●			
Mineral Deposits, Salts & Scale	●					
Corrosion & Oxides	●	●				
Dirt & Grime	●	●	●	●	●	●
Dust & Lint		●	●	●	●	●
Bugs	●	●				●
Grass and Cottonwood		●				
Tobacco Stains		●		●	●	●
Special Features:						
Foaming	●	●			●	
Brightening	●	●				
Non-Rinsing			●	●	●	●
Non-Hazardous for Shipping				●	●	●
Biodegradable		●		●	●	●

The above chart is only a guide for the selection of an appropriate coil cleaner for use with broad classifications of applications. It is not a recommendation for a specific service application. Please contact our technical service department with details of your application for a recommendation for the appropriate coil cleaners.

Firestopping Product Recommendations

Material	Metal Pipe - EMT, Copper	Multiple Metal	Insulated Metal Pipe	Plastic - Open Pipe 2" & smaller	Plastic - Open Pipe up to 4"	Plastic - Closed Pipe 4" & smaller	Plastic - Open/ Closed Pipe 6"	Glass Pipe	Cables	Construction Joints Top of Wall	Large Openings	Blank Openings	Electrical Boxes
Metacaulk® 1000	●	●	●	●		●			●	●			
Metacaulk® 350i	●	●	●	●					●				
Metacaulk® MC 150+	●	●		●					●				
Metacaulk® 835+	●	●	●						●	●			
Pipe Collars				●	●	●	●						
Pass-Thru	●	●		●				●	●			●	
Intumescent Sleeve				●	●	●	●						

The above chart is only a guide for the selection of an appropriate firestop products for use with broad classifications of applications. It is not a recommendation for a specific application. Please contact our technical service department with details of your application for additional recommendation for the appropriate firestop product and tested system.

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Reference Charts

Service Recommendations for Pipe Thread Sealants			
Material	**No. 5®**	**T plus 2®**	**Tru-Blu™**
Acids, dilute	●	●	●
Air, compressed	●	●	●
Alcohols			
Ammonia, gaseous	●	●	●
Aliphatic solvents	●	●	●
Aromatic solvents		●	
Caustic, dilute	●	●	●
Cutting oils (low aromatic)	●	●	●
Diesel fuel oil	●		●
Ethylene glycol (anti-freeze)			
Fatty acids, liquid			
Gasohol (unleaded & 10% alcohol)	●		
Gasoline	●		●
Glycerine			
Heating oils	●	●	●
Helium, gaseous	●	●	●
Hydraulic oils	●	●	●
Hydraulic fluids, water/glycol type			
Hydrogen, gaseous	●	●	●
Inert gases	●	●	●
Jet fuel (JP3, 4 & 5)	●		●
Kerosene	●		●
Liquefied petroleum gases	●	●	
Mineral oils	●		●
Natural gas	●	●	●
Nitrogen, gaseous	●	●	●
Refrigerants			●
Soap, liquid	●	●	●
Steam	●		●
Vegetable oils	●	●	●
Water (hot or cold)	●	●	●

The above chart is only a guide for the selection of an appropriate thread sealant for use with broad classifications of applications. It is not a recommendation for a specific service application. Please contact our technical service department with details of your application for a recommendation for the appropriate thread sealant.

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