DIVERSITECH

HVAC PRODUCTS GUIDE

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Time Saving & *Dependable Products* by **DiversiTech**

Available at your favorite wholesale distributor.

ABOUT DIVERSITECH

DiversiTech Corporation is North America's largest manufacturer of equipment pads and a leading manufacturer and supplier of components and related products for the heating, ventilating, air conditioning, and refrigeration (HVACR) industry.

Headquartered in the Atlanta, GA metropolitan area, DiversiTech manufactures a suite of products which includes a wide range of mechanical, electrical, chemical, and structural parts for HVACR and electrical systems, and swimming pool installations. The company maintains manufacturing and distribution facilities in key U.S. locations, Europe, and in the Far East. DiversiTech has enjoyed a continued history of successful growth and has acquired industry-recognized names including Devco® Enterprises, Wagner® Manufacturing, The Black Pad®, and Specialty Chemical.

Download an electronic copy of this catalog at www.diversitech.com/literature/lit-cat-cont.pdf

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DIVERSITECH

DIVERSITECH

A SOLID FOUNDATION TO SUPPORT YOUR SOLID REPUTATION.

ULTRA**LITE**™

Number one A/C pad preferred by contractors
Concrete pad at the weight of plastic
Won't warp, crack or discolor
Textured surface resists A/C unit slide or shifts
Available in over 70 sizes

AVAILABLE AT LEADING HVAC/R WHOLESALE DISTRIBUTORS

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Contents

Product Information

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The High Rise Pan™ is an innovative new plastic drain pan design which allows placement of an air handler 2-3/4" above the outside lip of the pan without the need for separate, cumbersome mounting blocks. The pan has a molded-in network of risers to give a 5" lift. The risers are positioned to accept a wide variety of air handler sizes. Each riser has a specially shaped area at each end to accommodate a 2" x 2" anti-vibration pad which allows for quiet operation at all times.

Other features include heavy duty reinforcement throughout to give plenty of support as well as rolled edges for durability. One-piece plastic construction ensures no rust, leaks, or seams to split.

Each High Rise Pan™ comes complete with a Condensate Cop™ float switch, six E.V.A. anti-vibration pads, and one 3/4" PVC male adapter. Installation is straightforward and hassle-free.

Water pushes to the side of the pan preventing stagnant water from building up in inaccessible areas. This helps prevent slime and algae accumulations, eliminating call backs due to foul smells.

CATALOG NO.	DESCRIPTION
6-HK2748	High Rise Pan™ 27" x 48"
6-HK2766	High Rise Pan™ 27" x 66"
6-HK3050	High Rise Pan™ 30" x 50"
6-HK3060	High Rise Pan™ 30" x 60"

FEATURE	BENEFIT
Nestable	Because DiversiTech High Rise Pans™ are nestable, there is a tremendous decrease in volume needed to store and transport the pans.
Water pushes to the side of the pan	This prevents stagnant water in inaccessible areas which helps prevent slime and algae buildup, eliminating call backs because of smell.

FEATURE	BENEFIT
Includes EVA™ pads	EVA™ pads increase the overall height of the unit which increases available drain line pitch. EVA™ pads also create better sound and vibration dampening for a quieter installation, meaning less call backs due to noise.
Standard anti-vibration pad	Uses a standard, easily available anti-vibration pad, eliminating the need to stock extra SKUs of anti-vibration pads. Competitor products use specialized grommets which are not commonly available.
Installation kit includes six EVA™ pads and Condensate Cop™ float switch	The universal CC-1 can be placed anywhere on the pan. It can also be used on other secondary drain pans (metal or plastic). You will never forget a part because you have a complete kit!
80% thicker than the standard drain pan	Stronger and more durable for job site installations; resists work place installation damage, minimizing the need to replace drain pans damaged at job site.
ABS construction/Flexible material	Time-tested material has been used for 15 years in the market. Flexibility allows for easier fit in tight work places and a faster installation. You'll have peace of mind for long term performance.
Heat/Cold resistance	Meets structural and temperature requirements for attic installations.
5" Riser	5" riser gives additional height needed to assure proper drain line pitch. Stack EVA™ pads for additional height.
Heavy-duty reinforced construction	Gives support for a wider range of air handler applications, minimizing the need to replace drain pans damaged at the job site.

WHAT IS THE WET SWITCH?

The Wet Switch is a solid state device designed to detect the presence of condensate water overflow. The Wet Switch is placed into the secondary drain pan — a normally dry pan. If the primary drain pan fails, condensate water will overflow into the secondary drain pan. Upon sensing moisture, the Wet Switch will turn the system off (typically the cause of the water) to help prevent damage to carpets, walls, woodwork, ceilings, and other property.

• Hydrophilic Pad
• Integral Feet
• Stainless Steel Sensor Array
• Solid State Electronics
• Epoxy Encapsulated Electronics
• Double Throw Relay
• Standard 24VAC control
• Multiple Unit Connectivity

The Wet Switch is designed to interrupt the operation of cooling systems. However, it is a water activated switch and can be used in a variety of other applications.

HYDROPHILIC PAD

INTEGRAL FEET

STAINLESS STEEL SENSORS

HYDROPHILIC PAD
A high tech polymeric fiber quickly draws water into the sensor array using proven capillary technology.

INTEGRAL FEET
Integral feet raise the hydrophilic pad and sensor array off the drain pan slightly to prevent nuisance tripping and pan corrosion (metal pans only) from interfering with the sensor array.

STAINLESS STEEL SENSOR ARRAY
A high tech array of multiple stainless steel sensors detects even a minimal amount of water drawn into the hydrophilic pad.

COMPACT PACKAGE
This technology is packed into a 3-5/8" diameter by 1-1/4" high cylinder. Furnished complete with 5-conductor 22AWG stranded cable, 6' long.

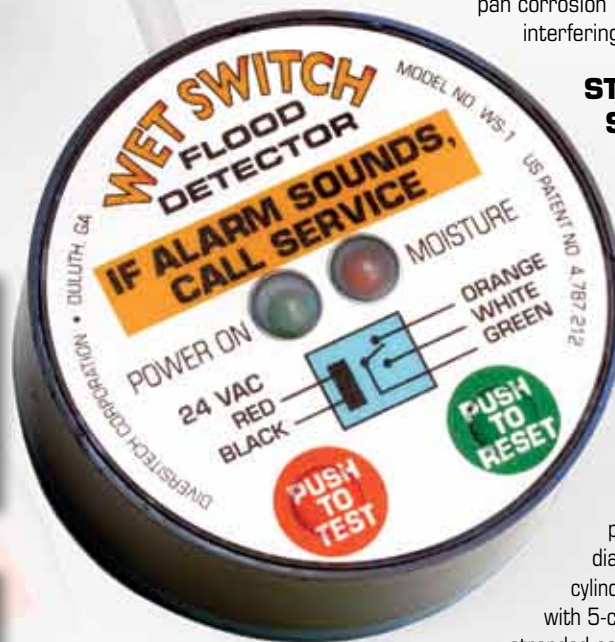### DOUBLE THROW RELAY
Allows for wiring to interrupt system and to sound an alarm (by others) when moisture is detected.

SOLID STATE ELECTRONICS
Proven electronics prevent mechanical failure in an aggressive operating environment.

MULTIPLE UNIT CONNECTIVITY
Multiple unit connectivity allows for multiple Wet Switches to be connected in series to adequately cover large drain pan areas.

What is the Safety Overflow Switch (SOS™)?

Designed for use on 3/4" PVC condensate drain line, the SOS snaps easily over existing drain line tubing and can be glued in place using PVC cement.

The SOS electronically senses water near the inside wall of the PVC drain tubing. By locating the SOS with its body away from the normal flow, it can detect a possible overflow condition when the PVC drain line becomes full with water. Like a culvert, a condensate drain line is normally mostly empty with a small amount of water flowing in the lower parts of the horizontal run. Since the SOS's sensor component only covers part of the tubing, a low volume of flowing water does not activate the switch. The pipe must be full or near full to activate the switch. The SOS can be mounted horizontally, vertically, or at any angle.

The SOS works with 24 VAC control circuits and typical contractors. When not detecting water, it is normally closed and allows normal air conditioner operation. When water nears the SOS's sensor, the switch triggers and the control circuit is opened. Then, the LED indicator lights to show that there may be system trouble.

Furnished complete with switch, 5' (1.5 meter) 18 AWG, 2 wire lead, and a 3/4" PVC male fitting adapter for direct coupling to a primary pan drain line connection.

- SOS electronically senses water in the PVC drain tubing.

- SOS is designed for use on 3/4" PVC condensate drain line.

- SOS snaps easily over existing drain line tubing.

ALTERNATE INSTALLATION

Furnished with a tube adapter for direct connection to a secondary port.

Metal Hang Tabs

Shatterproof stainless steel hang tabs have hole-and-slot design for easy mounting. Tabs are located on convenient 8" centers.

A Float that Floats

A float manufactured from foamed polyethylene is a simple, chemical and environmentally resistant, long lasting float. Rather than mold a trapped air float from a material that sinks, or use an expanded polystyrene (EPS) float, the DiversiTech float simply floats.

Rubber Feet

Rubber feet dampen vibration which reduces noise.

Vibration Isolation

An elastomeric motor mounting gasket dampens vibration.

Indicator Lights

Red, yellow, and green indicator lights show the pump status. Green for power applied, yellow for pump running, and red for high level alarm.

Four Inlet Holes

Four inlets versus two or three on other pumps provide the greatest installation versatility. Inlet holes have a reinforced wall for durability.

Pan Pill Dispenser

A pan tablet dispenser is included free with every pump. Perfectly compatible with DiversiTech's Pro-Treat® pan tablets.

Check Valve

Removable check valve for easy cleaning.

Overflow Safety Switch

1/4" quick connect terminals provide easy connection to the built-in overflow switch. Three terminals are provided allowing the installer flexibility to connect air handler shut-down and optional alarm as needed. Switch features SPDT isolated contacts ready for connection to building automation systems.

22' Lift

22' of lift standard versus 20' from other pumps.

Suitable for use with condensate from condensing boilers and high efficiency (condensing) furnaces.

The Charles Gallo Drain Gun is for use with condensate drain and oil burner lines only.

The Charles Gallo Drain Gun is a lightweight (3oz.) portable tool designed to blow out condensate drain lines instantly. Simply insert a Swoosh CO_2 cartridge into the Charles Gallo Drain Gun and with a press of the trigger — *SWOOSH* — 800 psi of oil free food grade air clears the line.

INSTRUCTIONS:

- Unscrew cup and insert cartridge with the narrow end up.
- Without depressing the trigger, screw the cup slowly into the head until the cartridge contacts the puncture pin.
- Quickly and firmly screw the unit together to puncture and seal the cartridge in the same motion.
  Note: Not completely screwing the unit together may result in escaping gas.
- Release the red safety catch.
- Depress the lever to discharge the Swoosh CO_2 cartridge. For condensate drains, a quick and full discharge is best.

Fittings increase the versatility of the innovative Charles Gallo Drain Gun and are available from your distributor.

SMALL AND LIGHTWEIGHT
The Charles Gallo Drain Gun packs cleaning power into a small, lightweight package. This prevents the need for carrying heavy air or nitrogen tanks.

ENVIRONMENTALLY FRIENDLY
The Charles Gallo Drain Gun uses carbon dioxide (CO_2), a common component of air, and is totally safe for use in the environment. The Charles Gallo Drain Gun is an excellent alternative to the environmentally unfriendly practice of using refrigerant to clean the drain line.

AIR POWER
The Charles Gallo Drain Gun uses CO_2, eliminating the mess caused by water back flushing drain lines.

FLEXIBLE HOSE ASSEMBLY
The flexible hose assembly enables you to maneuver through cabinets, coils, and hard to reach drains.

ADAPTER KIT
An adapter kit is available to allow for use on oil burner lines and tighter areas with a 90° fitting.

90° FITTING FOR TIGHT AREAS	FITTING FOR OIL BURNER LINES	FITTING FOR LARGER DRAINS

SCM Product	Product Number	Color	Description	Nu-Calgon	Virginia KMP	Stewart Hall	Rectorseal
Triple "D" USDA	SCM-707	Amber	Universal Coil Cleaner	**THERE IS NO EQUIVALENT TO TRIPLE "D"**			
Power-Plus USDA	SCM-703	Green	Alkaline Evaporator Coil & System Cleaner, Degreaser	Evap Pow'r-C	Acti-Kleen	Coil-Rite	Concentrated Evaporator
Super-Foam	SCM-718	Blue	Maximum Foaming Alkaline Condenser Coil Cleaner, Degreaser & Brightner	Nu-Brite	Alki-Foam	Renewz	Alkaline Extra Strength
Super-Brite	SCM-720	Brown	Ultra High Foaming Alkaline Condenser Coil Cleaner, Degreaser & Brightner	Alka-Brite Plus	Foam-Max	Foam-A-Coil	**NO EQUIVALENT**
Coil-Kleen	SCM-706	Red	Foaming Acid Coil Cleaner and Brightner*	Cal-Brite	Acti-Brite	Con-Coil	Condenser Coil Cleaner
Super-Kool USDA	SCM-705	Clear	Nickel & Metal Safe Ice Machine Cleaner	Nickel-Safe	Metal Safe Ice Machine Cleaner	Scale-Strip	Nickel-Safe Ice Machine Cleaner
Saf-T-Kleen II	SCM-816	Clear	Non-Flammable Safety Degreasing Solvent/ Cleaner	Degreasing Solvent EF	Virginia No. 10e	**NO EQUIVALENT**	**NO EQUIVALENT**
D'Scale USDA	SCM-709	Purple	Inhibited Cooling Water System Acid Descaler	Scale Dissolver	Scale Remover	Liquid Descalit	RectorScale Remover
Detecto	SCM-805	Opalescent	High Viscosity Leak Detector	Cal-Blue Gas Leak Detector	Gas Leak Loca-tor	**NO EQUIVALENT**	RectorSeek Mid-Temp
Bubble-N-Trouble	SCM-806	Pink	Freeze-Protected Polymer Based Spray Leak Detector	Cal-Blue & Fluo-rescent Gas Leak Detectors	Locator Leak Detector	**NO EQUIVALENT**	Better Bubble
Sani C-N-D	SCM-810	Blue	Air Handler & Drain Pan Disinfectant	Bio-Fresh	**NO EQUIVALENT**	Coil & Duct Disinfectant	**NO EQUIVALENT**
Flow-Plus	SCM-181	Blue	Long Lasting Polymer Pan Treatment	Pan Pads	CDC Anti-Clog	Actabs	**NO EQUIVALENT**
Grime Grabber	SCM-807	White	Waterless Hand Cleaner	Nu-Kleen II	KMP Hand Cleaner	**NO EQUIVALENT**	**NO EQUIVALENT**

EPA Registered

USDA Authorized by USDA for use in Federally inspected meat and poultry plants

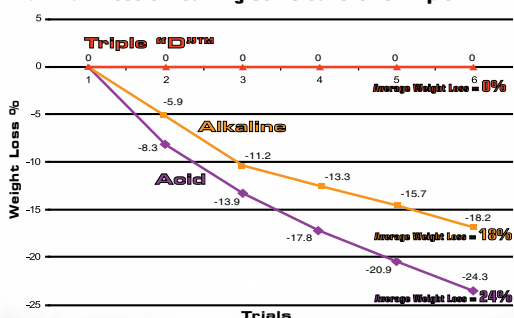| SCM Product	Product Number	Color	Description	Hydro-Balance	ACE	VAPCO
Triple "D" USDA	SCM-707	Amber	Universal Coil Cleaner	THERE IS NO EQUIVALENT TO TRIPLE "D"		
Power-Plus USDA	SCM-703	Green	Alkaline Evaporator Coil & System Cleaner, Degreaser	Hydro-Coil	Non-Rinse Evaporator Cleaner	Coil-Rite
Super-Foam	SCM-718	Blue	Maximum Foaming Alkaline Condenser Coil Cleaner, Degreaser & Brightner	Hydro-Kleen	Alkaline Coil Cleaner	Renewz
Super-Brite	SCM-720	Brown	Ultra High Foaming Alkaline Condenser Coil Cleaner, Degreaser & Brightner	Back Max	Foam-n-Clean	Foam-A-Coil
Coil-Kleen	SCM-706	Red	Foaming Acid Coil Cleaner and Brightner*	Hydro-Foam	Supreme Coil Cleaner	Con-Coil
Super-Kool USDA	SCM-705	Clear	Nickel & Metal Safe Ice Machine Cleaner	H.B. 30	Nickel-Safe Ice Machine Cleaner	Scale-Strip
Saf-T-Kleen II	SCM-816	Clear	Non-Flammable Safety Degreasing Solvent/ Cleaner	Hy-Sol	Super Degreasing Solvent	NO EQUIVALENT
D'Scale USDA	SCM-709	Purple	Inhibited Cooling Water System Acid Descaler	Ultra-Max	Scale Remover	Liquid Descalit
Detecto	SCM-805	Opalescent	High Viscosity Leak Detector	Bubble-Up	Gas Leak Finder	NO EQUIVALENT
Bubble-N-Trouble	SCM-806	Pink	Freeze-Protected Polymer Based Spray Leak Detector	NO EQUIVALENT	Fast Find Leak Detector LT	NO EQUIVALENT
Sani C-N-D	SCM-810	Blue	Air Handler & Drain Pan Disinfectant	NO EQUIVALENT	Bacti-Guard	Coil & Duct Disinfectant
Flow-Plus	SCM-181	Blue	Long Lasting Polymer Pan Treatment	Slime Away	Pan Protector	Actabs
Grime Grabber	SCM-807	White	Waterless Hand Cleaner	NO EQUIVALENT	E-Z Citrus Hand Cleaner	NO EQUIVALENT

EPA Registered

USDA Authorized by USDA for use in Federally inspected meat and poultry plants

Triple "D"™ is a Universal Coil Cleaner™ suitable for use on condenser <u>and</u> evaporator coils. It is metal safe and does not attack aluminum or copper coil components, extending equipment life and diminishing potential for refrigerant leaks. Triple "D"™ is a safer, more versatile product than conventional acid or non-acid coil cleaners. One product does it all — truly a Universal Coil Cleaner™.

FEATURES	BENEFITS
Universal Coil Cleaner™	One product for multiple applications reduces inventory and eliminates potential product mis-application.
Metal Safe	Conventional foaming acid coil cleaners actually attack and chemically react with the aluminum coil components. This reaction is exhibited by a foaming action. Conventional foaming non-acid coil cleaners are so strong (because they lack the unique inhibitor in Triple "D"™) they also attack the aluminum coil components. The attack/reaction dissolves the aluminum, destroying the heat-transfer ability of the coil, and creates the potential for refrigerant leaks. Over time, the reduction in heat transfer ability for the coil increases energy consumption significantly.
Super Concentrated	Lower cost per mixed gallon. Triple "D"™ is a 6:1 dilution ratio, making 7 gallons of usable product per gallon of concentrate.
Multiple Packages/Forms	Available as a concentrated liquid, pre-diluted liquid, aerosol, or Granular Coil Cleaner™. Same product — different packages.
NSF Registered	Assurance that Triple "D"™ is safe as a cleaner in restaurants, hospitals, government institutions, and any food preparation area. Rinse thoroughly after use.
Safe for Rubber Roofs	Does not damage engineered polymeric or rubber roofing.

Corrosion Inhibited	Conventional foaming acid and non-acid coil cleaners actually attack and chemically react with the aluminum (and sometimes copper) coil components. This reaction is exhibited by a foaming action. The reaction dissolves the aluminum, destroying the heat-transfer ability of the coil, and creates the potential for refrigerant leaks.
Biodegradable	Triple "D"™ is manufactured from chemicals that break down naturally in the environment. When a coil is cleaned, the rinse water is typically washed into the storm sewer.
Non-Foaming	Foaming of coil cleaners is exhibited when the cleaner chemically reacts with the aluminum (and sometimes the copper) coil components. This reaction is exhibited by a foaming action. The reaction dissolves the aluminum, destroying the heat-transfer ability of the coil, and creates the potential for refrigerant leaks. Additionally, foaming action on foaming coil cleaners is an exothermic (heat generating) chemical reaction. This heat is extreme and can damage coils.
Non-Toxic	Triple "D"™ is manufactured from chemicals that break down naturally in the environment. When a coil is cleaned, the rinse water is typically washed into the storm sewer. Conventional acid coil cleaners contain dangerous hydrofluoric acid that is extremely toxic to humans and animals. For complete details of how hazardous hydrofluoric acid is to humans and animals, download an independent acid exposure treatment guide at www.diversitech.com/literature/hfacid.pdf
Inhibited Non-Acid Formulation	Triple "D"™ contains a unique inhibitor that allows for a very strong alkaline (non-acid) formulation that effectively cleans coils. Other non-acid coil cleaners are either too weak to effectively clean a coil, or are so strong (and hence foaming) that they attack the aluminum coil.

Aluminum Loss of Foaming Coil Cleaners vs. Triple "D"™

As shown above, conventional foaming acid coil cleaners and foaming non-acid coil cleaners actually attack and chemically react with the aluminum coil components. This reaction is exhibited by a foaming action. The attack/reaction dissolves the aluminum, destroying the heat-transfer ability of the coil and creating potential for refrigerant leaks.

Triple "D"™ Universal Coil Cleaner™

Triple "D"™ is a Universal Coil Cleaner™ suitable for use on condenser <u>and</u> evaporator coils. It is metal safe and does not attack aluminum or copper coil components, extending equipment life and diminishing potential for refrigerant leaks.

Triple "D"™ is available in a package to fit any contractors needs – super concentrated liquid, pre-mixed trigger sprayer, convenient aerosol, and industry leading Granular Coil Cleaner™. In liquid form, Triple "D"™ is super concentrated. A single gallon of concentrate makes 75% more mixed coil cleaner than conventional concentrations. The liquid concentrate is also NSF Registered. This assures that Triple "D"™ is safe as a cleaner in restaurants, hospitals, government institutions, and any food preparation area (rinse thoroughly after use).

Triple "D"™ is a safer, more versatile product than conventional acid or non-acid coil cleaners. One product does it all – truly a Universal Coil Cleaner™.

SCM-707-RTU

SCM-707-20

SCM-707-GRAN

SCM-707-01

CATALOG NO.	DESCRIPTION	STANDARD PACK
SCM-707-RTU	Triple "D"™ – 1 quart trigger sprayer – pre-diluted	12
SCM-707-20	Triple "D"™ – 19 oz. Aerosol	12
SCM-707-GRAN	Triple "D"™ – 1 lb. Granular	12
SCM-707-01	Triple "D"™ – 1 gallon – concentrate	4

In its dry form, EZ-Mix™ Granular Coil Cleaner™ will not damage expensive equipment, parts, or tools in the back of the service van.

EZ-Mix™ takes 2/3 less space in the service van than conventional concentrated liquid coil cleaners.

EZ-Mix™ weighs 2/3 less than conventional coil cleaners and is much easier to carry around a job site.

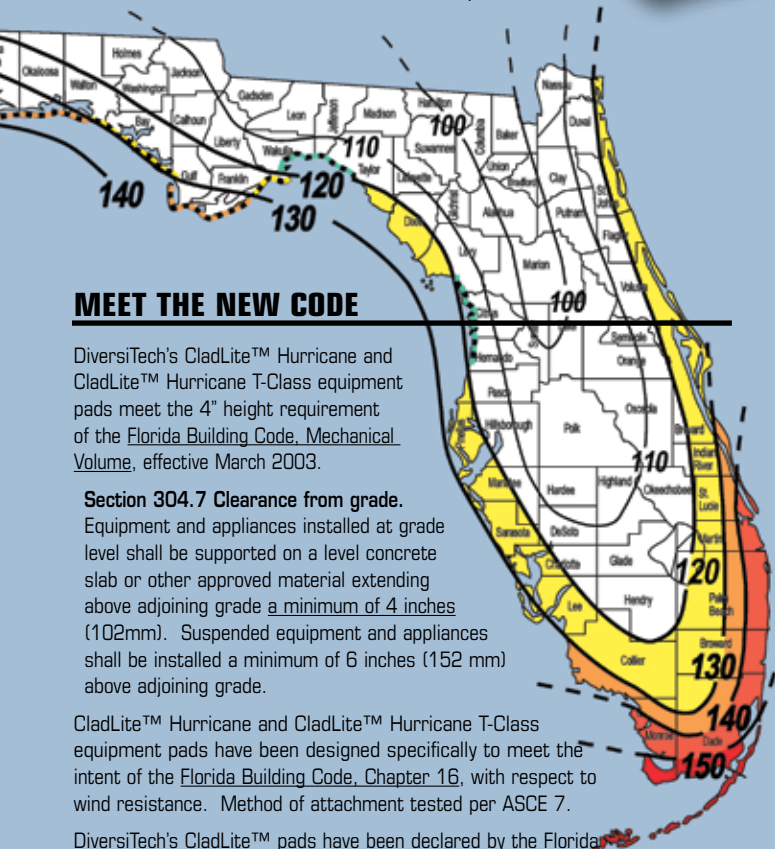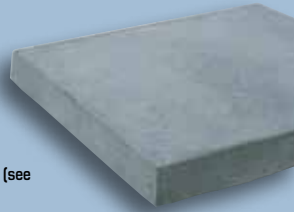| FEATURES	BENEFITS
Not Hazardous to Transport or Store	In its dry form, EZ-Mix™ Granular Coil Cleaner™ will not damage expensive equipment, parts, or tools in the back of the service van. Leaking jugs of concentrated liquid coil cleaner can cause serious and expensive damage to equipment, parts, tools, or homeowner property.
Effective	EZ-Mix™ Blue includes foaming action to remove tough, caked on dirt. Cleans with all the power of liquid concentrates. Most liquid concentrates are compounded from dry ingredients. EZ-Mix™ engineers the dry ingredients so you just add water.
Tough Polymer Jar	Tough polymer jar protects products from punctures unlike paper or foil packages. • EZ-Mix™ has child resistant safety cap. • EZ-Mix™ has color coded cap and package.
Lightweight Product, Compact Package	Easier to carry to the roof. Takes one-third the space in the back of the van versus liquid concentrate.
Rapidly Dissolves	Granules dissolve much more rapidly and completely than powder coil cleaner product. EZ-Mix™ contains the same unique chelating agents as concentrated liquids that enable rapid dissolve in water of widely varying hardness content. Compatible with all water qualities.

Two products are available: EZ-Mix™ Blue – Catalog No. SCM-833-01 EZ-Mix™ Green – Catalog No. SCM-834-01

CLADLITE™ HURRICANE & CLADLITE™ HURRICANE T-CLASS PADS

- Steel reinforced
- 9,000 PSI fiber-concrete
- Much lighter than solid concrete
- CladLite™ Hurricane pads keep units from sliding or blowing over in 150 MPH winds when properly attached (see CladLite™ Hurricane T-Class Pads section below for exceptions)

MEET THE NEW CODE

DiversiTech's CladLite™ Hurricane and CladLite™ Hurricane T-Class equipment pads meet the 4" height requirement of the Florida Building Code, Mechanical Volume, effective March 2003.

> **Section 304.7 Clearance from grade.** Equipment and appliances installed at grade level shall be supported on a level concrete slab or other approved material extending above adjoining grade a minimum of 4 inches (102mm). Suspended equipment and appliances shall be installed a minimum of 6 inches (152 mm) above adjoining grade.

CladLite™ Hurricane and CladLite™ Hurricane T-Class equipment pads have been designed specifically to meet the intent of the Florida Building Code, Chapter 16, with respect to wind resistance. Method of attachment tested per ASCE 7.

DiversiTech's CladLite™ pads have been declared by the Florida Building Commission to be an acceptable alternative material to solid concrete slabs for use in specific applications from Tallahassee to Miami. Approval of the pad is within the discretion of the local building inspector. DCA02-DEC-183

CladLite™ pads are approved by ICBO No. PFC-5112

CLADLITE™ HURRICANE T-CLASS PADS

For certain taller equipment profiles that are used in 150 MPH wind-borne debris regions, T-Class pads may be required. For a complete list of these exceptions, please contact your local DiversiTech distributor or go to: **www.diversitech.com/literature/hurricanepadsizes.pdf**

INSTALLATION INSTRUCTIONS

What you will need:
- 3/16" masonry drill bit
- Four (4) 1/4" dia. x 1-1/4" masonry screws
- Screwdriver or wrench
- A level
- CladLite™ Hurricane or CladLite™ Hurricane T-Class pad and equipment

1 Check with your local building inspector to determine in which wind-borne debris region your equipment will be installed. CladLite™ Hurricane pads can be used for all applications up to 130 MPH and most applications up to 150 MPH. Please see CladLite™ T-Class section for details on 150 MPH exceptions.

2 Choose a pad size that is larger than the outside dimensions of the equipment AND leaves room for fasteners, which must be located on the top of the pad at least 1/2" away from the edges.

3 Place and level the pad on the ground.

4 Place the equipment on the pad. Refer to the equipment manufacturer's instructions to determine where the fasteners should be placed through the equipment for anchoring to a pad.

5 Do NOT use a nail gun to attach equipment to the pad.

6 Read the instructions provided with your preferred brand of 1/4" diameter x 1-1/4" long masonry screws. If the flange/metal through which you are attaching the unit to the pad is thicker than 1/4", then a longer fastener will be required. Screw penetration must be a minimum of 1" into the pad.

7 Pre-drill a 3/16" diameter hole at least 1-1/4" deep in the top of the pad at each fastener location. Remember that the holes must be at least 1/2" away from the edges of the pad.

8 Use a wrench or screwdriver to drive the masonry screws into place.

Equipment must be properly attached to the CladLite™ Hurricane pad or CladLite™ Hurricane T-Class pad in order to prevent sliding and tipping in high winds.

DiversiTech SpeediChannel™ is an innovative channel system used to cover air conditioning line sets. The two part system has a base and a cover. The base is fastened to a wall or ceiling, then a clever little plastic clip (SpeediClip™) snaps into a channel already molded into the base. Then, using standard cable ties, the line set, cables, control wires, and/or condensate drain line are fastened in place. The cover then snaps simply on top of the base.

The SpeediChannel™ system is available in three widths – 3", 4",and 6". Each piece of Speedi-Channel™ is 6-1/2 feet long. A complete line of couplings, elbows, and tees are available for the SpeediChannel™ system.

Manufactured from rigid PVC, the SpeediChannel™ system is a natural color that is a very close match to the typical mini-split condensing unit case. However, the SpeediChannel™ system can be painted as desired to match any wall color. The PVC used in the SpeediChannel™ system is resistant to UV light and is UL rated.

DiversiTech recommends attaching the base to the wall or ceiling and the line sets to the system every 15" to allow for the system to carry the full weight of the line sets.

The SpeediChannel™ can also be used inside.

Download a dedicated catalog at www.diversitech.com/literature/lit-cat-msplit.pdf

Cut your installation time! SpeediClip™– fastest SpeediChannel™ installation.

CleanVENT™ is a tough durable polymer cover that protects HVAC floor vents from debris, construction site liquids and drywall dust.

- *Keeps your ducts clean during construction*
- *Saves hours of ventilation system clean-up for just pennies*
- *Available in all the popular HVAC vent sizes*
- *Helps prevent callbacks*

Without CleanVENT™, floor vents fill with dust, liquid, and construction site debris.

With CleanVENT™, system IAQ integrity is preserved.

Prevents sawdust, trash, and debris from collecting in vent openings.

Prevents water damage and dangerous mold and mildew.

Prevents pest infestation.

CleanVENT™ HVAC Duct Guards

Protect your ventilation system from debris, water damage, and pest infestation. Save yourself hours of ventilation system clean-up for just pennies! Quick and easy to install and priced with your bottom line in mind.

Installation is simple and involves the following steps:
• Apply mastic with a brush all around the vent cut-out. Press a CleanVENT™ insert over the opening and staple.
• CleanVENT™ protects your ventilation system from debris and pest infestation.
• When construction is complete, simply cut away the indented section of CleanVENT™ and install final vent. CleanVENT™ is available in 4"x10", 4"x12", and 4"x14" sizes to fit all popular vent openings. Two convenient package styles:
• The Multipack: 5 vent covers of each size.
• The Contractor Pack: 50 vent covers of a single size.

CATALOG NO.	DESCRIPTION	PACKS PER CASE
FVC-4MP	CleanVENT™ Multipack – 5 each of 3 sizes (4" X 10", 4" X 12", 4" X 14")	20
FVC-410	CleanVENT™ Contractor Pack – 50 of the 4" x 10" size	12
FVC-412	CleanVENT™ Contractor Pack – 50 of the 4" x 12" size	12
FVC-414	CleanVENT™ Contractor Pack – 50 of the 4" x 14" size	12

DiversiTech introduces the ultimate in drain pan design — the seamless, nestable, metal drain pan with rolled edges.

A stack of 70 DiversiTech metal drain pans is only 12" high!

70 DiversiTech drain pans fit in the same space as 6 conventional 2" deep non-nesting drain pans!

FEATURES	BENEFITS
Seamless	The seamless design of DiversiTech metal drain pans virtually eliminates leaks from seams and folded corners found in conventional metal drain pans.
Nestable	Because DiversiTech drain pans are nestable, there is a tremendous decrease in volume needed to store and transport metal drain pans. A stack of seventy DiversiTech metal drain pans is only 12" high. Therefore, seventy DiversiTech pans fit in the same space as six conventional 2" deep non-nesting drain pans!
Single Piece Design	The DiversiTech metal drain pan is stamped from a single sheet of 26 gauge galvanized steel which prevents leaks.
Rolled Edge	The rolled edge virtually eliminates hand injuries during handling.
Two Outlets	Easy, flexible installation with an outlet on both the long and short side of the pan — no need to cut an outlet if you have the wrong pan on the job.
Fittings Included	Get everything you need for the installation of the pan in a single package. Fittings are included with DiversiTech metal drain pans.

Metal Drain Pan

DiversiTech's Metal Drain Pan is a seamless, nestable, metal drain pan with rolled edges. The ultimate in drain pan design, tailored for easy distribution and installation. The Seamless Metal Drain Pan is full of thoughtful features to make life easier on both the distributor and the contractor. The stout metal construction is backed up by rolled edges on all sides without any seams for maximum safety and integrity. These pans are nestable as well – a stack of 70 pans is only a foot high!

6-M2748

Once at the site, there are no worries of having to return to the distributor for missing parts. The fittings are conveniently packaged with the pan for simple and efficient installation. Choose between two possible drain outlet positions and install with confidence.

CATALOG NO.	DESCRIPTION	STANDARD PACK
6-M2748	26 Gauge Metal Drain Pan – 27" x 48"	5
6-M2763	26 Gauge Metal Drain Pan – 27" x 63"	5
6-M3030	26 Gauge Metal Drain Pan – 30" x 30"	5
6-M3050	26 Gauge Metal Drain Pan – 30" x 50"	5
6-M3060	26 Gauge Metal Drain Pan – 30" x 60"	5
6-M3263	26 Gauge Metal Drain Pan – 32" x 63"	5

UltraLite® Pads

A true concrete equipment pad at the weight of plastic (about 2.5 lbs. per square foot). UltraLite® is strengthened by miles of fiber in each square foot of fiber-cement coating. This fiber allows the pad to flex instead of cracking or breaking. The textured surface prevents the condensing unit or portable generator from sliding, and allows water drainage, while the engineered encapsulated polystyrene (EPS) core prevents warping and provides a solid bottom to resist settling. Unaffected by soil conditions, ultraviolet (UV) light, temperature extremes, and other weather conditions.
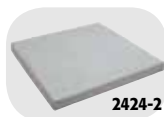
UC2424-3

E Lite® Pads

E Lite's rugged design provides uniform and generous ribbing for optimum, self-leveling ground support without inserts. The result is a pad that is lightweight, but not too light. A subtle texture prevents unit slide and presents a classic appearance, which is enhanced by rounded edges and a concrete gray color. Each pad is molded with a size label and a symbol representing content of recycled material.

EL2424-2

CladLite® Pads

Concrete surface and superior performance at 20% the weight of conventional concrete pads. The cladding provides superior resistance to sun, moisture and freeze-thaw conditions; the engineered encapsulated polystyrene (EPS) core is virtually impervious to water, soil conditions, fungus and bacteria. CladLite® is further strengthened by continuous steel reinforcement throughout the cladding. CladLite® is code approved for installation throughout the U.S.

2424-2

CladLite® Hurricane Pad

Designed specifically for the hurricane prone regions of Florida and the Gulf Coast, the CladLite® Hurricane pad meets stringent local code requirements for wind resistance. Heavier than a normal concrete pad, this pad provides sufficient weight to meet code. These pads have been designed specifically to meet the intent of the Florida Building Code, Chapter 16, with respect to wind resistance. Method of attachment tested per ASCE 7. CladLite® Hurricane pads are suitable for all 130 mph and most 150 mph installations. For certain taller equipment, the CladLite® Hurricane T pad is needed. CladLite® Hurricane pads have been declared by the Florida Building Commission to be an acceptable alternative material to solid concrete slabs for use in specific applications from Tallahassee to Miami. Approval of the pad is within the discretion of the local building inspector. DCA02-DEC-183. Due to their extra weight, standard freight terms only apply for shipments to Florida. All other shipments are shipped FOB Conyers, GA.

H2424-4

The Black Pad®

The Black Pad® is an innovative equipment pad using ground, recycled rubber in a co-injection process. The pad is extremely durable, resistant to ultraviolet light, and heavier than a completely plastic pad. The Black Pad® is suitable for use with pool pumps, filters, and heaters and complies with the 1997 Standard Swimming Pool Code sections 305.2 Mounting and section 405 Equipment Foundations and Enclosures.

ACP24242

Size	UltraLite® 2"	UltraLite® 3"	E Lite® 2"	E Lite® 3"	CladLite® 2"	CladLite® 3"	CladLite® Hurricane	The Black Pad® 2"	The Black Pad® 3"
16 X 36	✔	✔			✔	✔			
18 X 38				✔					
18 X 40						✔			
24 X 24	✔	✔	✔	✔	✔	✔	✔	✔	✔
24 X 30	✔	✔	✔	✔	✔	✔			
24 X 36	✔	✔	✔	✔	✔	✔	✔	✔	✔
24 X 42		✔			✔				
24 X 48	✔	✔			✔	✔			
24 X 54						✔			
24 X 60						✔			
26 Round					✔				
26 X 26	✔	✔	✔		✔	✔			
26 X 28	✔								
26 X 36	✔	✔			✔				
26 X 60		✔			✔	✔			
28 X 38		✔			✔	✔			✔
23 Round									
30 X 30	✔	✔	✔	✔	✔	✔	✔	✔	
30 X 36	✔	✔	✔		✔	✔			✔
30 X 40	✔	✔	✔	✔	✔	✔			
30 X 48		✔			✔				
30 X 60		✔			✔	✔	✔		
31 X 43	✔				✔	✔			
32 Round					✔	✔			
32 X 32	✔	✔	✔	✔	✔	✔	✔	✔	✔
32 X 34	✔								
32 X 37	✔	✔			✔	✔			

Size	UltraLite® 2"	UltraLite® 3"	E Lite® 2"	E Lite® 3"	CladLite® 2"	CladLite® 3"	CladLite® Hurricane	The Black Pad® 2"	The Black Pad® 3"
32 X 38			✔	✔					
32 X 44			✔	✔				✔	✔
33 X 45					✔	✔			
33 X 53		✔							
34 X 34	✔	✔	✔	✔	✔	✔	✔		
34 X 45	✔	✔							
34 X 65		✔				✔			
36 Round					✔	✔			
36 X 36	✔	✔	✔	✔	✔	✔	✔	✔	✔
36 X 40	✔		✔	✔	✔	✔			
36 X 42		✔				✔			
36 X 48	✔	✔	✔	✔	✔	✔	✔		✔
36 X 50		✔				✔			
36 X 52							✔		
36 X 54		✔			✔				
36 X 60		✔				✔			
36 X 72							✔		
36 X 78		✔				✔			
38 X 42	✔	✔	✔	✔	✔	✔	✔	✔	
38 X 52							✔		
38 X 65		✔			✔	✔			
38 X 70		✔		✔		✔			
40 X 40	✔	✔		✔			✔		✔
40 X 42		✔				✔			
40 X 54		✔				✔			
40 X 62						✔			
41 X 47	✔				✔	✔			
41 X 83						✔			
42 X 42						✔			
43 X 47		✔							
45 X 50		✔				✔			✔
45 X 58		✔		✔		✔	✔		
47 X 66						✔			
48 X 48		✔		✔		✔			
48 X 54		✔							
48 X 66		✔							
48 X 72				✔					
50 X 50				✔					
50 X 53		✔				✔			
50 X 56		✔				✔			
50 X 58						✔			
50 X 70						✔			
50 X 75		✔							
50 X 79		✔							
52 X 52		✔		✔		✔			✔
52 X 60		✔							
55 X 57		✔				✔	✔		
56 X 58				✔					
60 X 67		✔				✔			

Steel Sheet Gauge Chart

Gauge Number	Steel Weight in pounds per square foot	US Standard Gauge: thickness in inches	Manufactur-ers' Standard: thickness in inches	Galvanized Sheet: weight in lbs/sq ft	Stainless Steel: weight in lbs/sq ft
7/0	20.00	0.5000	.....	.....	.....
6/0	18.75	0.4687	.....	.....	.....
5/0	17.50	0.4375	.....	.....	.....
4/0	16.25	0.4062	.....	.....	.....
3/0	15.00	0.3750	.....	.....	.....
2/0	13.75	0.3437	.....	.....	.....
0	12.50	0.3125	.....	.....	.....
1	11.25	0.2812	.....	.....	.....
2	10.62	0.2656	.....	.....	.....
3	10.00	0.2500	0.2391	.....	.....
4	9.37	0.2344	0.2242	.....	.....
5	8.75	0.2187	0.2092	.....	.....
6	8.12	0.2031	0.1943	.....	.....
7	7.50	0.1875	0.1793	.....	.....
8	6.87	0.1719	0.1644	.....	.....
9	6.25	0.1562	0.1495	.....	.....
10	5.62	0.1406	0.1345	5.7812	5.7937
11	5.00	0.1250	0.1196	5.1562	5.1500
12	4.37	0.1094	0.1046	4.5312	4.5063
13	3.75	0.0937	0.0897	3.9062	3.8625
14	3.12	0.0781	0.0747	3.2812	3.2187
15	2.81	0.0703	0.0673	2.9687	2.8968
16	2.50	0.0625	0.0598	2.6562	2.5750
17	2.25	0.0562	0.0538	2.4062	2.3175
18	2.00	0.0500	0.0478	2.1562	2.0600
19	1.75	0.0437	0.0418	1.9062	1.8025
20	1.50	0.0375	0.0359	1.6562	1.5450
21	1.37	0.0344	0.0329	1.5312	1.4160
22	1.25	0.0312	0.0299	1.4062	1.2875
23	1.12	0.0281	0.0269	1.2812	1.1587
24	1.00	0.0250	0.0239	1.1562	1.0300
25	0.875	0.0219	0.0209	1.0312	0.9013
26	0.750	0.0187	0.0179	0.9062	0.7725
27	0.687	0.0172	0.0164	0.8437	0.7081
28	0.625	0.0156	0.0149	0.7812	0.6438
29	0.562	0.0141	0.0135	0.7187	0.5794
30	0.500	0.0125	0.0120	0.6562	0.5150
31	0.437	0.0109	0.0105	.....	.....
32	0.406	0.0102	0.0097	.....	.....
33	0.375	0.0094	0.0090	.....	.....
34	0.344	0.0086	0.0082	.....	.....
35	0.312	0.0078	0.0075	.....	.....
36	0.281	0.0070	0.0067	.....	.....
37	0.266	0.0066	0.0064	.....	.....
38	0.250	0.0062	0.0060	.....	.....
39	0.234	0.0059	.....	.....	.....
40	0.219	0.0055	.....	.....	.....

Conduit Size vs. Wire Size

	Minimum Conduit Size (inches) per Number of Type TW Wires. Number of Wires Inside Conduit				
Wire Size AWG	2	3	4	5	6
14	1/2	1/2	1/2	1/2	1/2
12	1/2	1/2	1/2	1/2	1/2
10	1/2	1/2	1/2	1/2	3/4
8	1/2	3/4	3/4	1	1
6	3/4	1	1	1-1/4	1-1/4
4	1	1	1-1/4	1-1/4	1-1/2
2	1	1-1/4	1-1/4	1-1/2	2
1/0	1-1/4	1-1/2	2	2	2-1/2
2/0	1-1/2	1-1/2	2	2	2-1/2
3/0	1-1/2	2	2	2-1/2	2-1/2

See the National Electric Code for conduit sizes when using wire types other than Type TW.

Designation of U.S. Pipe Sizes to the Metric System

Customary Inches	Proposed Millimeters	Customary Inches	Proposed Millimeters
1/8"	6 mm	8"	200 mm
3/16"	7 mm	10"	250 mm
1/4"	8 mm	12"	300 mm
3/8"	10 mm	14"	350 mm
1/2"	15 mm	16"	400 mm
5/8"	18 mm	18"	450 mm
3/4"	20 mm	20"	500 mm
1"	25 mm	24"	600 mm
1-1/4"	32 mm	28"	700 mm
1-1/2"	40 mm	30"	750 mm
2"	50 mm	32"	800 mm
2-1/2"	65 mm	36"	900 mm
3"	80 mm	40"	1000 mm
3-1/2"	90 mm	44"	1100 mm
4"	100 mm	48"	1200 mm
4-1/2"	115 mm	52"	1300 mm
5"	125 mm	56"	1400 mm
6"	150 mm	60"	1500 mm

Temperature Conversions

°C	°F	°C	°F	°C	°F	°C	°F
-40	-40	-10	14	20	68	50	122
-39	-38.2	-9	15.8	21	69.8	51	123.8
-38	-36.4	-8	17.6	22	71.6	52	125.6
-37	-34.6	-7	19.4	23	73.4	53	127.4
-36	-32.8	-6	21.2	24	75.2	54	129.2
-35	-31	-5	23	25	77	55	131
-34	29.2	-4	24.8	26	78.8	56	132.8
-33	-27.4	-3	26.6	27	80.6	57	134.6
-32	-25.6	-2	28.4	28	82.4	58	136.4
-31	-23.8	-1	30.2	29	84.2	59	138.2
-30	-22	0	32	30	86	60	140
-29	-20.2	1	33.8	31	87.8	61	141.8
-28	-18.4	2	35.6	32	89.6	62	143.6
-27	-16.6	3	37.4	33	91.4	63	145.4
-26	-14.8	4	39.2	34	93.2	64	147.2
-25	-13	5	41	35	95	65	149
-24	-11.2	6	42.8	36	96.8	66	150.8
-23	-9.4	7	44.6	37	98.6	67	152.6
-22	-7.6	8	46.4	38	100.4	68	154.4
-21	-5.8	9	48.2	39	102.2	69	156.2
-20	-4	10	50	40	104	70	158
-19	-2.2	11	51.8	41	105.8	71	159.8
-18	-0.4	12	53.6	42	107.6	72	161.6
-17	1.4	13	55.4	43	109.4	73	163.4
-16	3.2	14	57.2	44	111.2	74	165.2
-15	5	15	59	45	113	75	167
-14	6.8	16	60.8	46	114.8	76	168.8
-13	8.6	17	62.6	47	116.6	77	170.6
-12	10.4	18	64.4	48	118.4	78	172.4
-11	12.2	19	66.2	49	120.2	79	174.2

°C	°F	°C	°F	°C	°F
80	176	110	230	140	284
81	177.8	111	231.8	141	285.8
82	179.6	112	233.6	142	287.6
83	181.4	113	235.4	143	289.4
84	183.2	114	237.2	144	291.2
85	185	115	239	145	293
86	186.8	116	240.8	146	294.8
87	188.6	117	242.6	147	296.6
88	190.4	118	244.4	148	298.4
89	192.2	119	246.2	149	300.2
90	194	120	248	150	302
91	195.8	121	249.8	151	303.8
92	197.6	122	251.6	152	305.6
93	199.4	123	253.4	153	307.4
94	201.2	124	255.2	154	309.2
95	203	125	257	155	311
96	204.8	126	258.8	156	312.8
97	206.6	127	260.6	157	314.6
98	208.4	128	262.4	158	316.4
99	210.2	129	264.2	159	318.2
100	212	130	266	160	320
101	213.8	131	267.8	161	321.8
102	215.6	132	269.6	162	323.6
103	217.4	133	271.4	163	325.4
104	219.2	134	273.2	164	327.2
105	221	135	275	165	329
106	222.8	136	276.8	166	330.8
107	224.6	137	278.6	167	332.6
108	226.4	138	280.4	168	334.4
109	228.2	139	282.2	169	336.2

Military Rank & Grade

Grade	Navy & Cost Guard	Air Force
E1	Seaman Recruit	Airman Basic
E2	Seaman Apprentice	Airman
E3	Seaman	Airman 1st class
E4	Petty Officer 3rd class	Sergeant/Senior Airman
E5	Petty Officer 2nd class	Staff Sergeant
E6	Petty Officer 1st class	Technical Sergeant
E7	Chief Petty Officer	Master Sergeant
E8	Senior Chief Petty Officer	Senior Master Sergeant
E9	Master Chief Petty Officer	Chief Master Sergeant
E10	Master Chief Petty Officer of the Navy	Chief Master Sergeant of the Air Force

Grade	Army	Marines
E1	Private	Private
E2	Private	Private 1st class
E3	Private 1st class	Lance Corporal
E4	Corporal or Specialist	Corporal
E5	Sergeant	Sergeant
E6	Staff Sergeant	Staff Sergeant
E7	Sergeant 1st class	Gunnery Sergeant
E8	1st Sergeant / Master Sergeant	1st Sergeant / Master Sergeant
E9	Sergeant Major / Command Sergeant Major	Sergeant Major / Command Sergeant Major
E10	Sergeant Major of the Army	Sergeant Major of the Marines

High Rise Pan™

The High Rise Pan™ is an innovative new plastic drain pan design which allows placement of an air handler 2-3/4" above the outside lip of the pan without the need for separate, cumbersome mounting blocks. The pan has a molded-in network of risers to give a 5" lift. The risers are positioned to accept a wide variety of air handler sizes. Each riser has a specially shaped area at each end to accommodate a 2" x 2" anti-vibration pad which allows for quiet operation at all times. Other features include heavy duty reinforcement throughout to give plenty of support as well as rolled edges for durability. One-piece plastic construction ensures no rust, leaks, or seams to split. Each High Rise Pan™ comes complete with a Condensate Cop™ float switch, six EVA™ anti-vibration pads, and one 3/4" PVC male adapter. Installation is straightforward and hassle-free.

- Nestable
- 5" Riser
- Heat/Cold resistance
- Eliminates a single line vendor
- Uses standard anti-vibration pad
- 80% thicker than the standard drain pan
- Water pushes to the side of the pan
- Heavy-duty reinforced ABS construction/flexible material
- Installation kit includes six EVA™ pads and Condensate Cop™ float switch