



System Installation Guide



Full Line of Products

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INTRODUCTION

DiversiTech® SpeediChannel® System

SpeediChannel® is an innovative channel system designed to cover air conditioning linesets. The two-part system has a base and cover. The base is fastened to a wall or ceiling, and with our patent pending ZipRail™ profile, linesets and drain lines are easily secured with only zip ties. No clips required. With holes placed every 3 inches, it is more convenient and easier to complete an installation. The channel cover snaps on top of the base channel. The fitting covers are screwed to the base fittings for a secure assembly. It is made of UVC material to resist the elements and provide lasting protection.



Available in three widths - 3", 4", and 6", each channel is 6-1/2' long and is part of a complete system including couplings, elbows, covers and tees.

Manufactured from rigid PVC, the SpeediChannel® system comes in natural, white, brown and black options. 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. SpeediChannel® is easier to inventory, transport and install than competing brands, and the flat pack design reduces warehouse storage and contractor transport space. Tight fit corner design and installation accessories help contractors deliver a clean install every time.

DiversiTech recommends attaching the base to the wall or ceiling and the linesets to the system every 15" to allow for the system to carry the full weight of the linesets. The SpeediChannel® system can also be used inside.

FEATURE	BENEFIT
ZipRail™ Attachment System	No clips required! The built-in ZipRail™ feature allows for a quick and easy installation.
Tight fit corner and flat bottom channel design	The flat bottom channel sits on surfaces easier and fits into corners better. It can easily be silicone-sealed against the wall.
Stainless steel screws	Stainless steel screws will not rust.
Flat wall escutcheon	Competitive products have a larger escutcheon that is not aesthetically pleasing and wastes space.
Integrated flex joint	Competitive products require a joiner piece to couple the flex joint to their systems. The SpeediChannel flex joint slides right into the end of the SpeediChannel with no additional joiner piece.
Long radius 90° bend	The long radius 90° bend allows for a larger bending radius for the lineset, making installation easier.
Single piece wall sleeve	Competitive products are multi-part which is cumbersome.

INTRODUCTION

TECHNICAL SPECIFICATIONS

SPECIFICATION	DESCRIPTION
Colors	Natural, White, Brown and Black
Channel Sizes	3 inch (2-3/4" x 2-1/2") 4 inch (4-1/8" x 2-3/4") 6 inch (5-7/8" x 3-1/8") Standard Length (78")
Material	Weather Resistant PVC, UV Stabilized and Fire Resistant
Temperature Range	4°F to 140°F
Weather Resistance	Tested to over 2,000 hours
Fixing Screws	Stainless Steel

Painting Recommendations

DiversiTech recommends any 100% acrylic latex or 100% acrylic latex with a urethane additive when painting SpeediChannel® products, due to the flexibility within the paint. Lacquers are not recommended with PVC products because lacquers are more brittle and won't flex with the channel. Some suggestions: Duration® by Sherwin Williams®, Manor Hall® paints by PPG, and Moorlife® by Benjamin Moore®. In addition to paint type, only light-to-medium colored paints (Light Reflectance Value of 55% units or greater) should be applied to SpeediChannel® or most any exterior PVC products. Light Reflectance Value (LRV) is a measurement that indicates how much light a color reflects. An LRV of 0% is absolute black and an LRV of 100% is perfectly reflective white. Always check a paint's LRV because some lighter paints may actually have a lower LRV than expected.

SYSTEM INSTALLATION

Step 1

Attach the SpeediChannel® base to the wall about every 15 inches with screws suitable for the wall construction (siding, stucco, brick, etc.). Screw through the center of the molded rail. Slide the connecting piece (elbow, union, tee, etc.) under the SpeediChannel before attaching the end of the channel to the wall. When cutting lengths of SpeediChannel, allow 1/8" gap between the end of the SpeediChannel and the stop inside the fitting to allow for thermal expansion.



Step 2

Insert a zip tie about every 20 inches through the ZipRail™.



SYSTEM INSTALLATION

Step 3

Install the lineset, drain line, and wires inside the SpeediChannel®. Test the equipment installation prior to tightening the zip ties. Tighten the zip ties snug, but not so tight they damage the tubing insulation or kink the drain line. Trim excess length from the zip tie.



Step 4

Attach the SpeediChannel® to the base.



SYSTEM INSTALLATION

Step 5

Attach the fitting covers with the screws provided.



Step 6

When complete, paint the SpeediChannel® to match surface of installation (if desired).

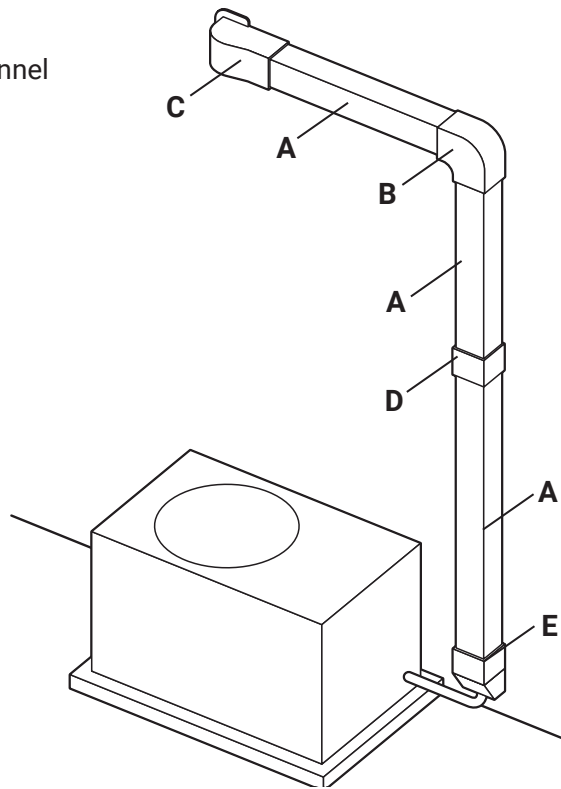


INSTALLATION DIAGRAMS

Basic Outdoor Application

- A - SpeediChannel® Lineset Cover Channel
- B - 90 Degree Flat Bend
- C - Wall Penetration Cover
- D - Union Coupling
- E - Duct End

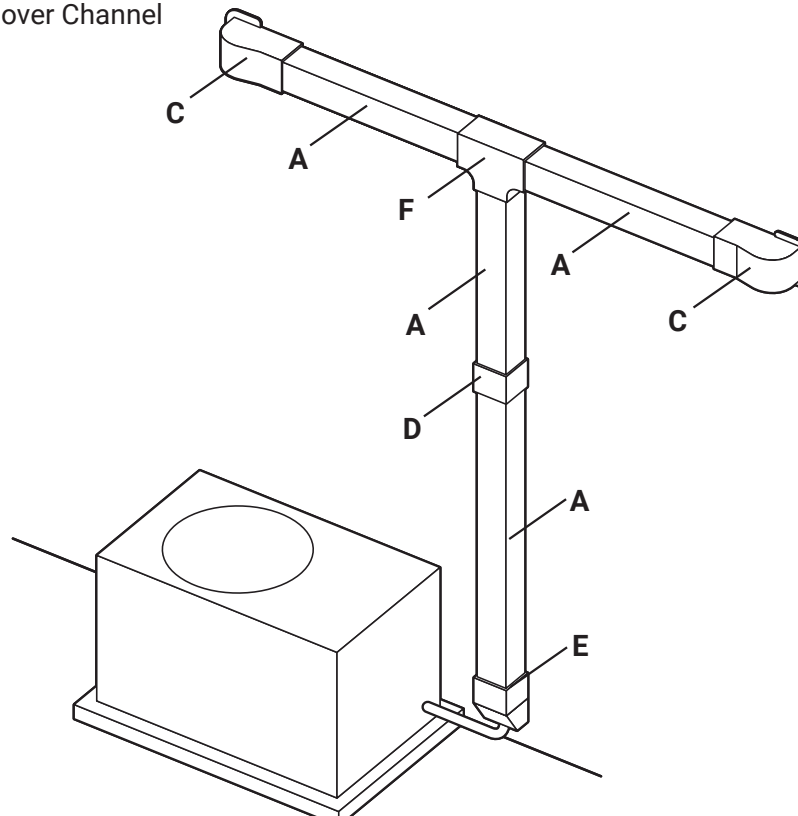
See Technical Data Sheet for available sizes and colors.



Multi-Zone Application

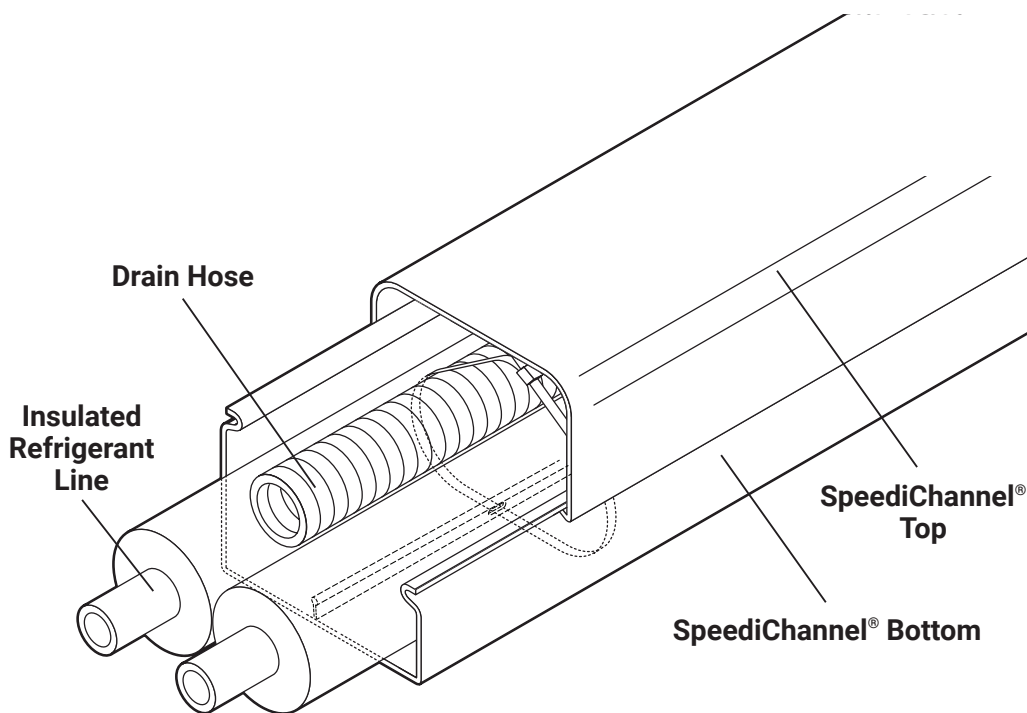
- A - SpeediChannel® Lineset Cover Channel
- C - Wall Penetration Cover
- D - Union Coupling
- E - Duct End
- F - T Joint

See Technical Data Sheet for available sizes and colors.

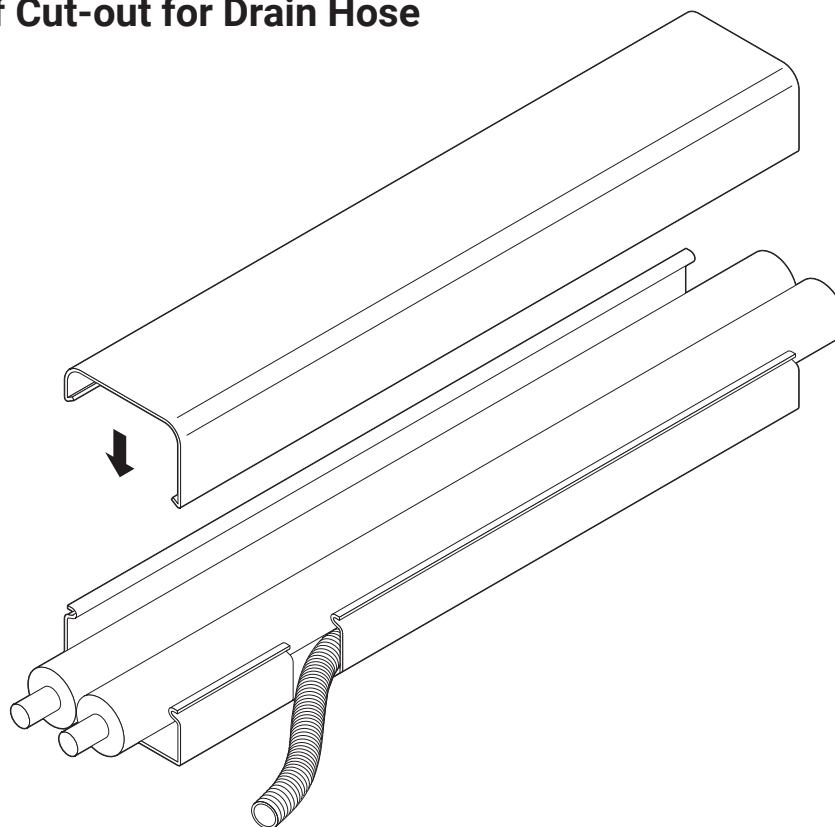


INSTALLATION DIAGRAMS

Typical Lineset, Cable, and Drain Hose Configuration

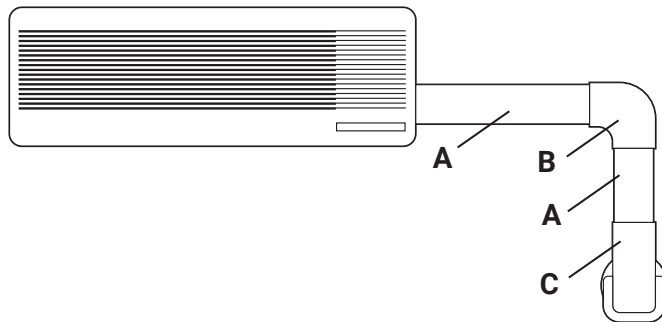


Typical Detail of Cut-out for Drain Hose



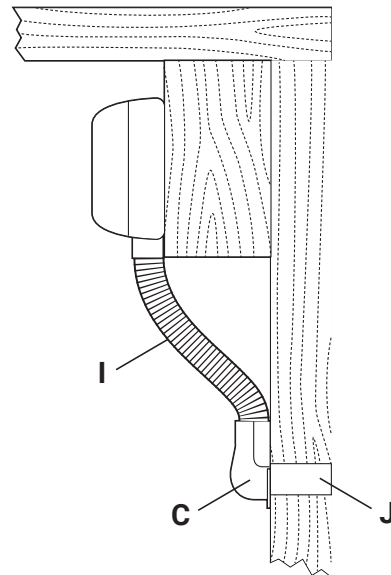
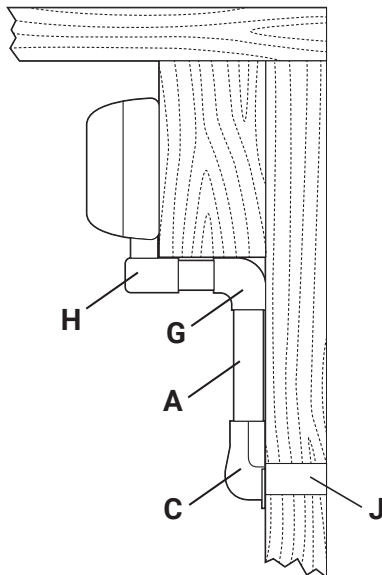
INSTALLATION DIAGRAMS

Typical Detail of Indoor Installations



- A - SpeediChannel® Lineset Cover Channel
- B - 90 Degree Flat Bend
- C - Wall Penetration Cover
- G - 90 Degree Inside Elbow
- H - 90 Degree Outside Elbow
- I - Flex Joint
- J - Wall Penetration Sleeve

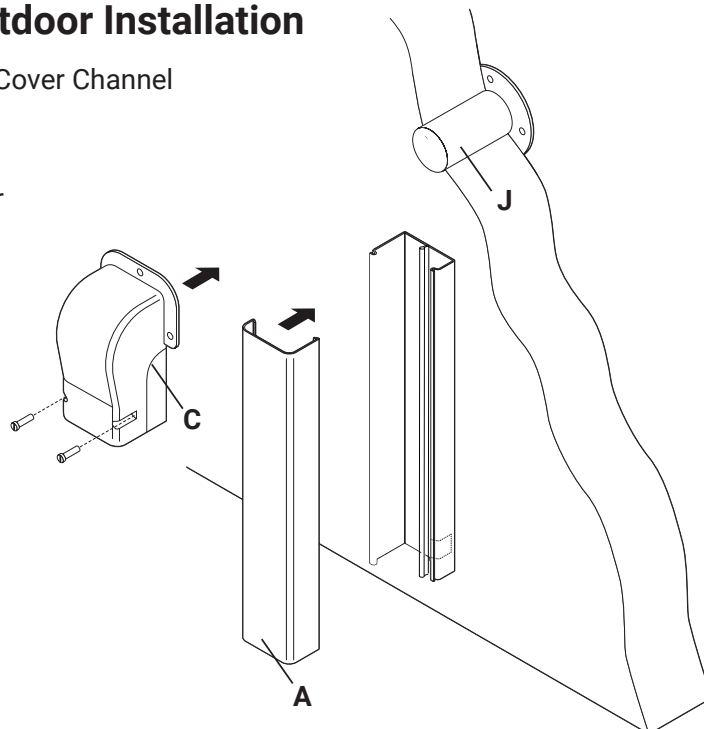
See Technical Data Sheet for available sizes and colors.



Typical Detail of Outdoor Installation

- A - SpeediChannel® Lineset Cover Channel
- C - Wall Penetration Cover
- J - Wall Penetration Sleeve

See Technical Data Sheet for available sizes and colors.



INSTALLATION DIAGRAMS

Building with Different Wall Thickness Application

A - SpeediChannel® Lineset Cover Channel

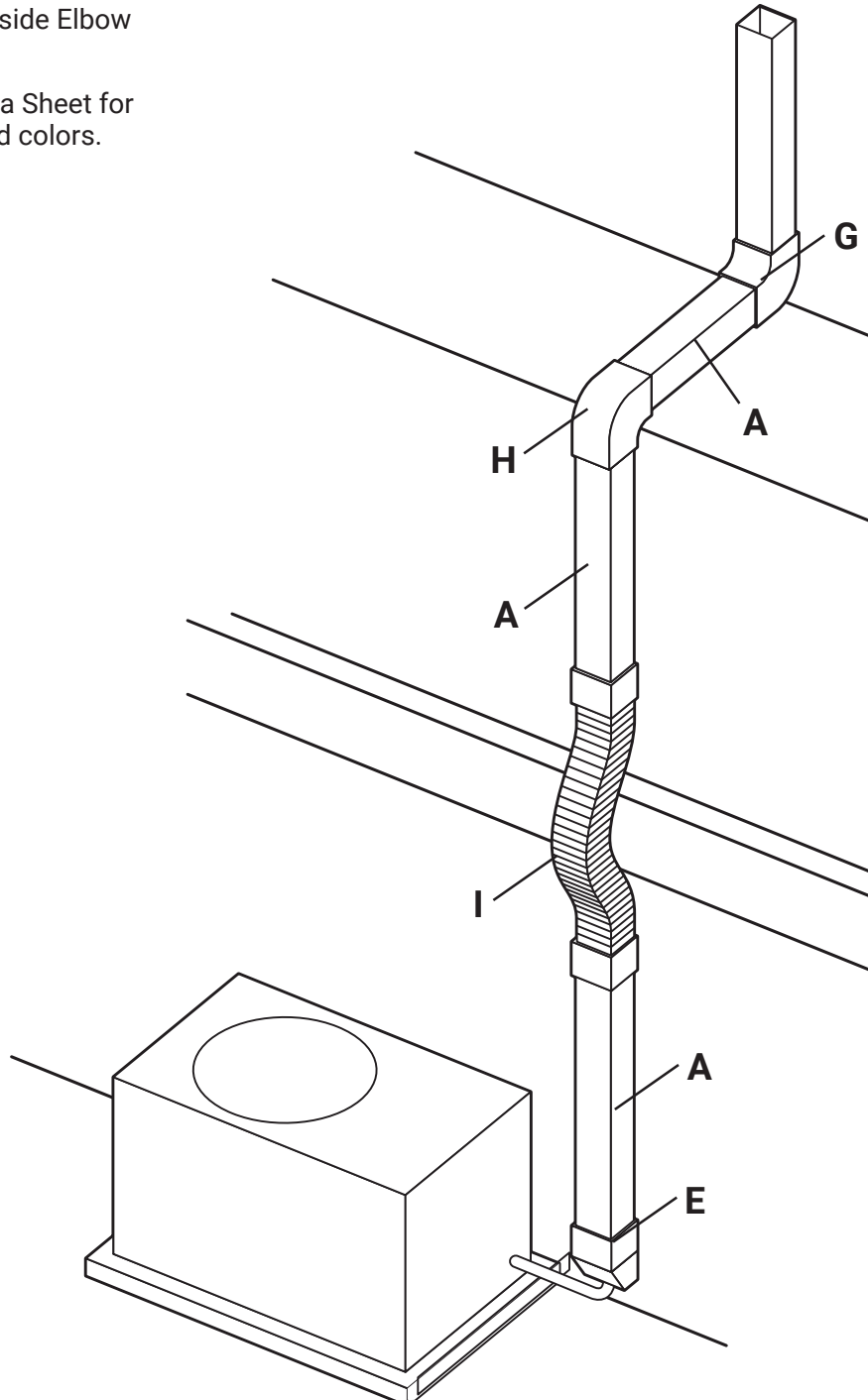
G - 90 Degree Inside Elbow'

E - Duct End

H - 90 Degree Outside Elbow

I - Flex Joint

See Technical Data Sheet for
available sizes and colors.



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