

# Small Pipe Chase Housing

## *Pipe Chase Housing Benefits*

- Provides a path to the roof for multiple pipes in a high rain tight housing.
- Can easily accept 18 pipes.
- Seals are designed to accommodate any pipe size between 1/4 inch out side diameter to 1 1/2 OD.
- Constructed of powder coated aluminum with welded seams.
- Prepped for a GFCI.
- Comes with a water outlet.
- Assembled with stainless steel hardware.
- Gasket connections between curb, housing and lid.



Pipe Chase Housing

## *Small Pipe Chase Housing Installation Instructions*

### **Step 1 Roof opening**

The roof opening size is 6 1/2 by 13 1/2. This dimension is 2 inches smaller than the curb. This will provide a 1 inch ledge around the inside of the curb to support the insulating and sound attenuating barrier.

### **Step 2 Setting Curb**

Remove the stainless steel screws from the lid and inside the housing. Take care to place the screws in a safe place. Set the lid and housing aside for now. Center the curb over your hole and level. Use the appropriate screw to attach the curb to the roof plywood decking. This will require twenty four screws for maximum strength.

### **Step 3 Roofing Curb**

The curb has an insulated base and a built in 3 inch counter flashing to protect the leading edge of the roof. Run the roofing to the top edge of the curb taking care not to cover the screw holes on top. The gasket in the bottom of the housing is designed to be wide enough to seal off against the top of the curb and leading edge of the roof at the same time. There is a 1/2 clearance around the curb for roofing. If you exceed this thickness the housing will not slide over the top of the curb.

### **Step 4 Housing**

Place housing back on the curb and attach with stainless steel screws. The housing is designed to counter flash the curb with a 3 inch skirt. The housing gasket will seal against the top of the curb and leading edge of the roof. The outside walls of the housing have dimples and bumps. The dimples identify the locations to drill holes for your piping. The bumps identify the boundary of the penetration area. The bumps define the field for penetration and prevent you from drilling too close to the skirt and corners of the housing. Seals have been designed to be used with the housing to provide the best seal possible around the pipes passing through the housing wall. The dimples are offset on opposite sides to prevent pipes from colliding inside the housing. This dimple pattern maximizes the number of pipes that can penetrate the housing.

### **Step 5 Seals**

Each seal is designed to work on a range of pipe sizes. There are 10 seals to cover all pipe sizes between 1/4 inch outside diameter and 1 1/2 OD. Each seal range is in 1/8 inch increments. The first seal has a range from 1/4 inch to 3/8. Any outside pipe size

that fall on or between 1/4 inch and 3/8 inch will fit this seal. The next seal range is 3/8 to 1/2 inch any pipe OD sizes on or between 3/8 and 1/2 inch will fit this seal. This pattern continues up to 1 1/2 inch outside diameter pipe size. The hole size to be drilled in the housing to receive the seals is 2 1/4 inch. All the seals have the same body size, threaded nipple and retaining nut. The caps have different size holes and seal for different pipe sizes. This design allows you to move a pipe without moving the body of the seal. The caps can be rearranged during installation to accommodate last minute changes. To remove a pipe run that is no longer used a blank cap can replace the pipe seal cap. These pipe seals are not water fittings and should never be used in a water system.

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### Step 6 Piping

After your seals are installed in the housing you are ready to run your piping. You can run any pipe size between 1/4 inch outside diameter to 1 1/2 inch outside diameter. The seals are PVC and rubber and will be damaged if exposed to heat from brazing or soldering piping. Move the seals down the pipe and wrap with a wet cloth to protect them.

The insulation in the curb has a cut in it to allow piping to pass through. The insulation has three functions. Maintain the insulating envelope of the building. Reduces sweating that may occur inside the housing and sound attenuation. Keeping your piping centered in these two cuts will organize your pipe drop.

### Step 7 GFCI outlet

The Pipe Chase Housing comes prepped with a hole and cover plate for a GFCI outlet to be installed by an electrician. Code requires an outlet within 25 feet of the air conditioning equipment. In most cases the housing will meet that requirement.



Seals are available in 10 sizes to accommodate any pipe size between 1/4 inch outside diameter to 1 1/2 OD.



1/4 inch outside diameter to 1 1/2 OD pipe seals are available

**WARNING : Pipe Seals are not designed to be water fittings and should never be used as a fitting in a water system.**

### Tools needed for installation

You will need the following tools to install the Pipe Chase Housing.

- Drill with a 2 1/4 inch hole saw
- Philips screw driver
- Strap wrench to tighten seals



Sigrist Enterprises LLC

425 865 0777

pete@pipechasehousing.com

pipechasehousing.com

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