

U-FLOW® SEAL INSTALLATION PROCEDURE

Step 1

Simply insert the narrow end of the U-Flow® Seal into the bottom of the drain stem.

Step 2

Using the U-Flow Screwdriver, tighten the seal's screws, accessible through the top of the drain, until seal expands and locks to the drain stem.

Step 3

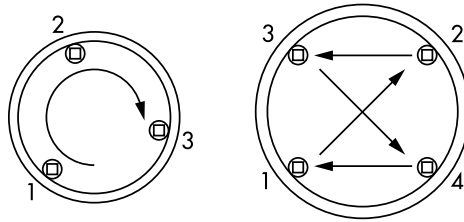
Remove any debris or constricting materials in the existing drain pipe that interferes with proper installation.

Step 4

Insert assembled drain into existing leader pipe until flange lies flush on roof membrane.

Step 5

Tighten the seal screws in sequence, in order to provide uniform compression of the seal's compressing ring (the lowest part on the seal). Screws should be tightened with a few turns each, one by one. This procedure should be repeated until screws are hand-tight and no vertical movement of the drain is possible. U-Flow 3-in. and 4-in. seals have three (3) screws each, while U-Flow 5-in. and 6-in. seals have four (4) screws



each. The order of tightening is shown above. Drain body is correctly installed when pressure placed on drain body results in no vertical movement. Do not overtighten the screws. Seal installation is complete.

Step 6

Secure the drain flange to the roof deck/nailer using a minimum of three pan-head fasteners, evenly spaced around the flange. The flashing membrane must cover and extend past the fastener head. Flashing membrane must be installed per roof membrane manufacturer's detail.

Step 7

Complete installation by securing strainer dome to clamp ring or retaining clips depending on model being used.

HOW TO SHORTEN A METAL RETROFIT DRAIN

In some applications it may be necessary to shorten the drain's stem length if the existing vertical distance is too shallow to accommodate the retrofit drain as manufactured.

Step 1

Make sure there is at least 4-inches of clear vertical distance in the existing pipe to accommodate the drain. Cut drain stem to desired length and insert U-Flow Seal. **Note:** Leave at least 2.5-inches of the drain stem to accommodate the seal. See Figure 1.

Step 2

Insert the U-Flow Seal in the cut drain stem and tighten the seal screws. Once the drain and seal have been assembled, insert it into the existing water leader and complete the assembly following installation steps 2 through 5.

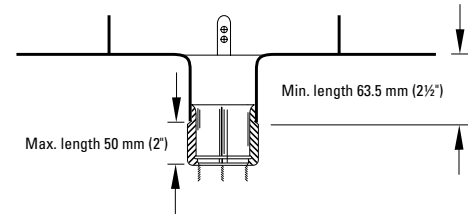


Figure 1: The minimum length of the metal retrofit drain stem with a U-Flow Seal Assembly.

MEETS ANSI/SPRI RD-1 STANDARD