

Installation: Combination unit



The Fabco Industries StormBasin is adaptable to round, square or rectangular catch basin designs. This presentation deals with square and rectangular only

It can be used with an open box style like those shown here or with a flat grated opening only.

To select the right model StormBasin you need to know

- The Style: open box or flat
- Grate material: Cast Iron or Steel
- Grate Width & Length
- Vault depth: Minimum 28"



Remove grate



After receiving the appropriate model and size, installation of the StormBasin begins with removing the grate.



Measure Width & Length



With the grate removed measure the length and width of the grate frame.

These measurements will be transferred to the StormBasin mounting flange allowing the unit to hang down on the frame inside the opening to the vault.



Set end flanges to Length



The StormBasin is shown here with the two end mounting flanges being measured.

These flanges are attached by the installer and must be adjusted so that the total length between the 2-flanges is within $\frac{1}{2}$ " of the over all frame length.



Adjustable flange mount



The flanges are held to the StormBasin by a series of parallel dove tailed rails.

The Flanges slide onto the rails from either end.

A minimum of 2 rails must be engaged when installing the flanges.

The dove tailed rails offer great strength and precise adjustments in half inch increments. The Dove tail design allows 3" of adjustable range +/- 1/4" when evenly split.



Set Front flange & rear splash guard



After adjusting the flanges to match the grate length, repeat the process for the grate width.

The procedure is identical with flat grate styles.

Open box styles require unique front and rear flanges

The Front flange is similar to the side flanges. It is typically installed at its greatest width position.



Install rear flange/splash guard ass'y



The rear flange for open box catch basin styles, is composed of a dove tailed extrusion with a length of neoprene rubber.

The extrusion is positioned on the last two dove tailed rails and centered on the StormBasin frame.

The neoprene flaps should extend past the back and equally on both sides



Completed installation of flanges



The StormBasin shown here is configured for an open box storm sewer style

Note the front and side aluminum flanges and the rubber flange attached and extending past the rear portion of the box.

If this was configured for a flat grate style storm sewer all the flanges would be aluminum.



Insert StormBasain into drain



With all the flanges attached and properly sized, the StormBasin is slipped into the storm sewer and onto the grate frame



Installation progress



The StormBasin is shown here installed into the open box style storm sewer.

The two side flanges and the single front flange fit onto the grate frame and support the StormBasin below grade.

Note that the rear neoprene flange extends into the open rear box.

The flexible neoprene allows the installer to cut and shape the flange to the optimum size.



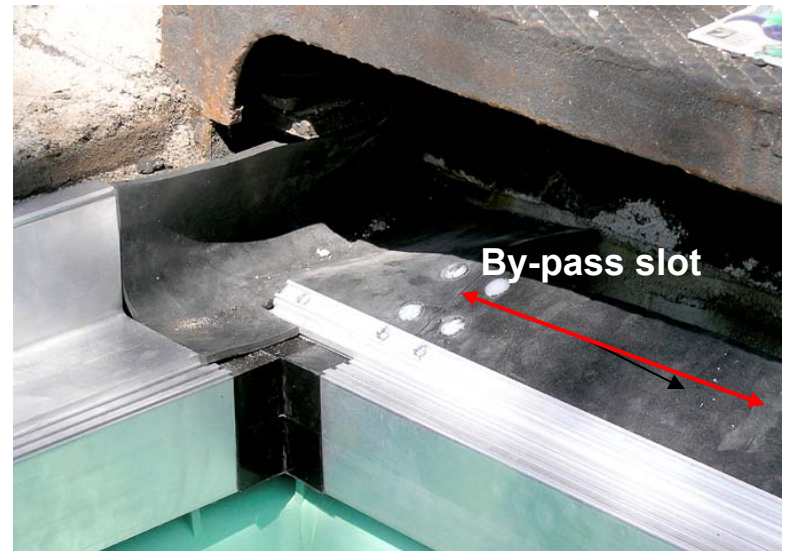
Rear Splash guard



The neoprene flange is shown here up against the left side of the frame where it will intercept water running laterally along the curb.

In other designs, small volumes of water could easily by-pass the filter.

The back flange varies in depth with each corner contacting the box to help maintain rigidity while the central portion is shorter leaving a 2" wide by-pass slot between the corners



Install corner splash guards



At the front of the box, simple preformed corners are used to close off any openings. These are held in place with two, self drilling, sheet metal screws



Complete installation



Insert the two filter cartridges and replace the storm sewer grate to complete the installation.

Typical installation time is less than 15 minutes

Additional tools required: a rubber mallet, a cordless screw gun, a can of WD 40, a grate lifter and a pry bar to help with the stubborn grates.

