

# Omega Glue-On PVC 10 in. and 12 in. Saddle Fittings

## WARNING!

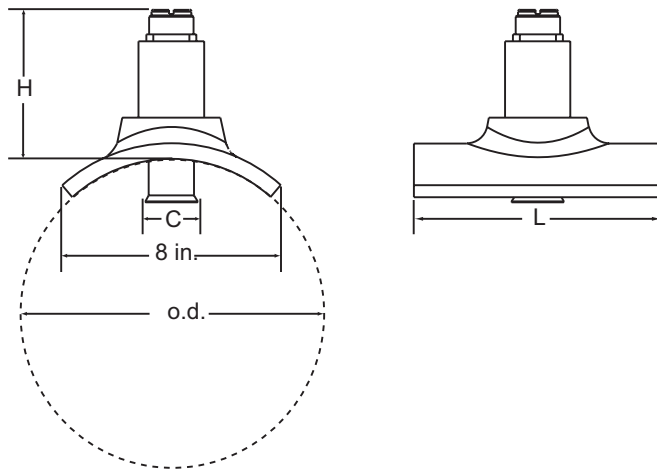


- This saddle reduces the maximum pressure and temperature capability of any piping system.
- Do not exceed the maximum pressure/temperature rating stated in this document!
- Follow all instructions on solvent cement container.



## PVC Glue-on Saddle Fittings

Part No.	Size	L	H	o.d. (nominal)	C
FP-5381S	10 in.	9 in.	5.43 in.	10.75 in.	2.25 in.
FP-5382S	12 in.	9 in.	5.15 in.	12.75 in.	2.25 in.



- Immediately push the saddle onto the pipe, rotating it slightly in all directions while aligning the insert with the hole in the pipe\*. This will help evenly distribute the cement. Hold in place until initial bonding occurs (several seconds) to prevent movement.
- Remove any excess cement.
- Immediately assemble a clamp or strap device around the pipe and fitting near each end of the saddle connection. Be sure adequate compression occurs between the pipe and fitting.
- Allow cement to cure according to the cement manufacturer's guidelines.
- **We recommend that the clamps remain in place permanently.**

\* **Note:** The flow sensor insert must remain free from cement build-up that could hinder sensor insertion and/or create local flow disturbances inside the pipe. Be careful to keep the insert "clean", inside and out.

The integrity of glue-on saddle connections is dependent on the solvent cement process used during installation. Exercise care during assembly to insure that a secure joint is obtained.

## Recommendations:

Omega recommends Industrial Polychemical Services (IPS) #719 Solvent Cement and #P-68 Primer or equivalent for installing these saddles on PVC pipe. This is an extra-heavy bodied cement with gap-filling properties for use in applications where sizable gaps may exist.

- Clamps or strapping devices should be used during assembly to compress the pipe and fitting as the cement cures. Ratchet and screw lock band clamps, ear clamps, and spring type clamps such as those manufactured by Oetiker, or equivalent, are recommended.
- The specific manufacturer's recommendations for these clamps should be reviewed prior to installation.
- **Clamps should be left in place after assembly as an added safety precaution.**

## Installation procedure:

- Cut a 2-1/2 in. hole in the pipe. Refer to the installation section of the sensor instructions for guidance on sensor location.
- The surfaces to be joined should be clean and dry.
- Using the appropriate size applicator (applicator should be equal to 1/2 the pipe diameter), apply a coat of primer to the surfaces to be joined on the saddle and pipe.
- While the primer is still wet, apply a generous coat of heavy-bodied solvent cement first to the pipe surface, and then to the fitting. Apply a second coat of cement to the pipe surface, covering an area slightly larger than the saddle.



**WARNING!** Omega PVC Glue-on Saddles are designed for use in low-pressure applications. Their design does not exhibit the same structural stability as clamp-on saddles and therefore they are not intended for use in high-pressure applications. See the pressure/temperature limits illustrated below.

