

Tower Mount Fire Hose Washer Installation Instructions

Unpacking the pallet

The following items are packaged on the pallet.

- Fire hose washer unit
- Rear cover plate
- Front door hook plate
- Drain shut off ball valve

Wall preparation

The minimum wall opening size should be 12.25" x 12.25".

This will allow a small space for shimming to level the fire hose washer unit.

Depending on the wall construction a sub frame may be installed to aid with securing the fire hose washer unit.

Consideration should be given to any possible moisture that may accumulate on the outside of the fire hose washer unit that is in the wall section. Use the same methods that are used for larger cold water piping that is in the walls or passes through the wall.

This may happen when the conditions of the water temperature and the inside wall temperature are at the greatest variance. Usually this may happen with cold water and a warm to hot wall. This can be avoided with both sides of the wall being properly sealed.

The fire hose washer unit weighs 86 lbs. and must be anchored correctly. Extra forces are applied to the wall area from the fire hose washer unit when the fire hoses are fed through the unit.

The main upward force comes from the fire hose pressing on the inside of the exit roller as the fire hose is hoisted up into the tower.

Install Fire Hose washer unit

The correct orientation of the fire hose washer unit has the front cover opening from the bottom to the top with the inlet roller at the bottom.

There are eight (8) .375" (3/8") mounting holes for securing the fire hose washer unit to the outside of the wall. The mounting holes are located on the main mount plate that is behind the front cover. Use suitable anchors that allow the plate to be tight against the wall without any movement.

The fire hose washer is secured to the outside wall and must be shimmed for level and to ensure that the unit is supported in the wall. The top inside position must be shimmed to minimize any upward pressure that would add strain to the front mounting plate. This strain can come from the fire hose pushing up on the exit roller as the fire hose is hoisted up the tower.

All of the mounting holes should be silicone sealed to prevent moisture from seeping in. The entire back of the mounting plate where it contacts the wall must be sealed with silicone sealant or equivalent to ensure that moisture does not enter into the wall.

Install front door hook plate

The front door hook plate is installed on the outside wall above the fire hose washer unit. Open the front cover to the top position. The front cover will rest in the fully open position. To ensure that the front cover does not accidentally drop to the closed position, the hook plate will keep the front cover open. Position the hook plate above the top of the front cover with the hook positioned in the front cover eye loop. Make sure that the mounting position allows the hook to freely enter the loop. Be sure to use silicone sealant on the mount holes and anchors to protect the wall.

Install rear cover plate

The rear cover plate can be installed using the same bolt setup as previously used to install the fire hose washer unit. The rear cover is used to finish the inside for appearance and to protect the area where the fire hose washer meets the wall from any water contamination. Silicone sealant should be applied along the inside edges and the back side to seal against the wall and the fire hose washer unit.

Plumbing attachments

The *main inlet connector* is a 2" NPT female fitting. Water supply from ¾" to 2" line size usually supplies enough water for the washer.

Typical line sizes are ¾" – 1.125". Use water volume to increase the jet spray pressure. Water line pressure is usually 60 – 70 psi. Do not exceed 70 psi pressure water line pressure.

The 2" fitting size on the hose washer is for locations where water pressure is low and the increased volume is required. Use a reducer to match up to your water inlet line.

A *main-line water shut off* valve preferably a multi-turn valve to allow the operator to adjust the on/off and water flow control.

The drain connector for the ball valve is ½" NPT. Attach the supplies Ball valve using thread sealant.

Follow local plumbing codes for safety.

Note: Ensure that the rear cover plate is installed before any of the plumbing attachments are installed.

Care and Maintenance

Apply Silicone spray or silicone based grease to the following locations;

- Front door hinge
- Front latches
- Front and rear roller shafts

Cleaning: Wash down with soap and water. Do not use abrasives on the stainless steel surfaces.

To remove buff marks, contamination marks and scratches polish the area using a liquid metal polish. We recommend using Wicked Products Metal Polish Professional Formula from Chem-Pak Solutions, Corona, CA. This product is sold at most local truck supply and service stores.

Follow the instructions on the bottle.

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