

### P2706.1.2 Standpipes

Standpipes shall extend not less than 18 inches (457 mm) and not greater than 42 inches (1067 mm) above the [trap](#) weir.

30"

The **washer drain hose** is 1¼" O.D. (outside diameter). To be confident that no siphoning of water **will** take place, the **drain** plumbing should be a minimum of 30" **high**. In order for the **drain hose** to function properly, the **drain** must be at least 30" from the floor and less than 8 feet **high**.



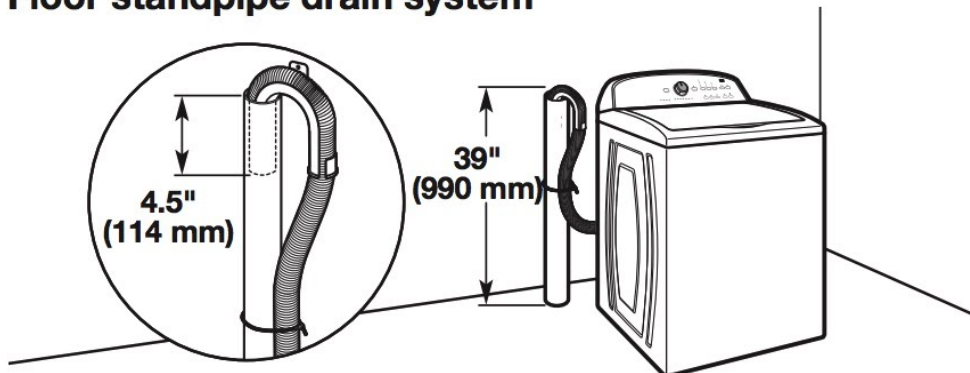
## **What is the correct height for the washing machine drain standpipe or outlet box?**

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Manufacturers specify a height in their installation manual. Whirlpool recommends a minimum of 39" above the floor, and GE has a 30" minimum, except that GE allows the top of the drain pipe opening to be lower if you secure the hose to the back of the machine near the top at a place the manufacturer indicates using a plastic "anti-siphon clip" Both manufacturers have a maximum height recommendation of 96". Shown below is the

Whirlpool diagram and the GE clip.

### Floor standpipe drain system



Minimum diameter for a standpipe drain: 2" (51 mm). Minimum carry-away capacity: 17 gal. (64 L) per minute. Top of standpipe must be at least 39" (990 mm) high; install no higher than 96" (2.44 m) from bottom of washer. If you must install higher than 96" (2.44 m), you will need a sump pump system.



And the standard height for a washing machine outlet box is 42" in our area. So now you have three different numbers. But the important thing is to get the drain, or the drain hose loop in the case of GE's anti-siphon clip, above the flood level of the rim of the washer tub. When the drain is below the

rim you risk the possibility that the drain hose will suck the water out of the washer tub just as fast as it goes in as the tub fills during the first cycle.

The only code standard is that the top of the standpipe above the trap weir (top level of standing water in the trap below) can't be less than 18" or or more than 42" according to the Residenital Edition of the Florida Building Code (P2706.1.2) and the International Residential Code. But the trap at the bottom of the standpipe is usually not visible for verification in a modern house.

**P2706.1.2 Standpipes.** Standpipes shall extend not less than 18 inches (457 mm) and not greater than 42 inches (1067 mm) above the trap weir.