

Purchase and Installation of an Interior Sump Pump

Water intrusion into the basement is a sure way to reduce the resale value of your home. The proper installation of a sump pump will act as a vacuum by extracting water from under the dirt in the crawl space or in the basement. Nature hates a vacuum that will remove water under your home, immediately drawing the water to the pump area. Over a season or two, a change in the flow of water under the house will occur and will result in a dryer basement. There is nothing that will keep your basement dry when a creek overflows or the main drain outside your home clogs. A properly installed and serviced sump pump can go a long way in protecting your home from flooding and resultant water damage. This system will not work when the power goes out. Please ask about our battery back up system.

The electric pump will be placed into a protective container (18.24SB) with drainage holes. The container will be further protected by brown cloth to keep roots, and irregular shaped rock out, which acts as a filter. The water collected by the pump will exit the building and the end of the discharge pipe double length of 1 ½" flex line (125M) will be at least 36" from the edge of the home and the grade sloped away from the home. The pump must have a one-way check valve (CV150) to stop the water that has been pump out from returning into the pump area. Our sump pump check valves are rated at 4.3 PSI at 130 F and pumps are rated at 23 feet of static head above the check valve moving 50 feet of water. HDR installs the Myers (S25V1) 1/3 horse sump pump or Little Giant (6E-CIA-SFS).

There are two types of pumps. The most common sump pump found in hardware stores has an arc-path switch. A flotation device or "arm" rises or swings out with the rising of the level of the water and the switch will activate when it reaches a certain pre-determined height. This type of pump needs a well with a diameter of at least 18". Most residential sump pump wells are not this large. The second type has a vertical path float switch, which allows the pump to be installed in narrow pits normally found in older homes in this area. Honey Do only recommends and installs the latter. The pump should be serviced annually. This servicing is included in the HDR Fall and Winter Check List. Please ask your service technician for additional details.