

Flo-Well

Frequently Asked Questions

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How much water can each Flo-Well hold?

Each Flo-Well can hold approximately 50 gallons of water.

How many Flo-Wells do I need?

An on-line calculator can be found at www.ndspro.com/flo-well-calculator. This calculator will determine the number of Flo-Wells needed for the project. This is determined by the drainage area, the surface material of the drainage area, material used to backfill around the Flo-Well, dimensions of the backfill, and type of material beneath the Flo-Well.

What parts come in the Flo-Well box?

All Flo-Well boxes come with the interlocking side panels and the Flo-Well Cover. If purchased as Lowe's, the box also includes fabric wrap to prevent sand and other debris from entering the Flo-Well.

Can multiple Flo-Wells be attached to the same drainage system?

Yes. Multiple Flo-Wells can be stacked or connected in series to increase storage capacity.

What is the maximum number of Flo-Wells that can be stacked?

It is not recommended to stack more than 4 Flo-Wells on top of each other. The Flo-Well bottom will need to be inserted into the bottom chamber when stacking multiple Flo-Wells. It is also recommended that a center pipe be connected to the cover and bottom to act as a center support column helping to stabilize the system.

Is the Flo-Well bottom necessary?

A Flo-Well bottom is only necessary when installing the Flo-Well in light vehicular traffic or when stacking multiple Flo-Wells.

What is the Flo-Well load rating?

The minimum depth that a Flo-Well should be buried is 8" from the surface to the top of the Flo-Well. When buried to this depth, it is rated to support light vehicular traffic (loads up to 175 psi). The Flo-Well can be buried to depths up to 8' deep. The Flo-Well will support heavier loads at this depth, but the type of soil above the Flo-Well will determine the maximum load that can be supported.

How do I install the center support pipe?

A continuous piece of 4" SDR 35 pipe can be run from the Flo-Well Bottom to the Surface Drain Inlet. The Surface Drain Inlet can be connected to the pipe using a #3P12 and Welder contact adhesive by Homax Products, Inc. If the Surface Drain Inlet is not being used, then a piece of 4" Schedule 40 pipe can be run from the Flo-Well bottom to the Cover.

How many of the 1" drain holes should be removed?

It is recommended that the Flo-Well is wrapped with filter fabric to prevent the backfill material from entering the Flo-Well. When the fabric is used, then all the 1" drain holes should be removed.

What material should be used to backfill around the Flo-Well?

¾" to 1" drain rock should be used to backfill around the Flo-Well. If the Flo-Well will not have vehicular traffic loading, then drain rock or any of the NDS EZ-Flow pipes can be used to wrap around the Flo-Well. The drain rock and the EZ-Flow have up to 40% void space that can be used for additional storage space for runoff.

Do I need the fabric wrap?

Filter fabric should be used to wrap around the Flo-Well to prevent the drain rock from entering the Flo-Well. Filter fabric can also be used to keep the soil out of the drain rock.

How much drain rock do I need?

The amount of drain rock that is required depends on the size and depth of the hole that is dug. A 4' diameter hole that is 4' feet will require a little less than 1.5 cubic yards of drain rock. There will be approximately 11-1/4" of rock below the Flo-Well chamber, 1' of rock surrounding the Flo-Well, and 8" of soil above the Flo-Well. This installation will hold approximately 165.5 gallons of water. A 3.5' deep x 4' diameter hole will require a little more than 1 yard of drain rock. This installation will have 6" of rock below, 1' around, and 8" of soil above the Flo-Well. This will hold approximately 135.5 gallons of water.

How much distance should there be between Flo-Wells?

There should be a minimum 18" of between Flo-Wells.

Is an overflow necessary?

If the volume of storage provided in the Flo-Well(s) plus surrounding drain rock is greater than the anticipated runoff in the 100-year storm event, then no, an overflow may not be necessary. However, it is not a bad idea to install an overflow to give the runoff a place to go if the system becomes overloaded. The overflow must be installed at an elevation lower than lowest point where the runoff enters the drainage system.

Can I connect my washing machine to a Flo-Well?

A few things must be considered when connecting a washing machine to a Flo-Well. First, the soap must be eco-friendly. Second, the storage volume of the system must be able to hold the volume of water from the washing machine multiplied by the number of loads of laundry. If the Flo-Well is also connected to any storm drainage system, this water must also be accounted for. It is also preferred that several Flo-Wells be connected in series instead of stacking. The passage of water through a series of Flo-Wells will allow more time for sediment to settle.

How do I install the Surface Drain Inlet with Grate (FWSD69) if my Flo-Well is more than 8" below the surface?

NDS part #3P12 will need to be inserted into the Flo-Well Cover with the 4" fitting end facing up. Insert a section of 4" SDR 35 to the fitting in the cover and connect a second #3P12 to the top of the pipe. The Surface Drain Inlet will need to be glued to the #3P12 with Welder contact adhesive by Homax Products, Inc.