



FLOW THROUGH OPTION

With the flow through option the water used on the slide is only used one time and is not re-circulated. Once the water flows through our water distribution system (patent pending) it is discarded into the storm drain, sewer system, or as requested by city.

HOW IT WORKS

We connect our hosing system to a fire hydrant located on the street designated for Slide the City. The hydrant acts as a pump and pushes the water through our water distribution system.

Equipment

500 feet of 4 inch flathead Mill hosing.

500 feet of 2 inch flathead Mill hosing.

1000 feet of 1 inch flathead Mill hosing.

1 custom made patent pending manifold.

Bell Reducer 2" to 4" connectors for the hose system.

The fire hydrant is equipped with a water meter and back flow preventer (provided by the city). The 4" hose is connected to the meter. Water flows from the fire hydrant, through the meter, and into a 4" hose that is connected to the manifold (patent pending). From the manifold water is distributed into nine 1" hoses and one

2" hose. These hoses run water to the arches where water is distributed equally through sprinklers onto each lane of the slide below. The 2" hose is used for the first arch, and the 1" hose is used for the remaining nine arches.

The manifold controls the water flow to each arch individually.

When water from the hydrant reaches the manifold the water pressure is maintained at 50psi.

Our hosing is rated to 200 psi. We have the hoses hydra tested to 150 psi before they are used.

Water flows through the water distribution system (patent pending), down the slide and into the catch basin. This catch basin is 24 feet wide and 75 feet long. No participants are allowed to enter the catch basin. The water is pumped out of the catch basin and into the storm drain, sewer system or as directed.

Note: All suction screens on filters and pumps meet the requirement outlined in the Virginia Graeme Baker Pool & Spa Safety Act.

During the course of the event (typically 8 hours) this flow through option uses roughly 81,000 gallons of water.

The flow from hydrant into manifold and onto slide is regulated at 135 gpm, and we maintain a 135 gpm to 150 gpm discharge as directed by city official.