

Hydrant (3 Points)

- ISO Requirements:
 - Size, Type, and Installation for:
 - Hydrants
 - Dry Hydrant
 - Cisterns and/or Suction
- Steps to follow in your FlowMSP Water Application:
 - Measure Outlet Size.
 - Measure both Nozzle Size.
 - Go to your FlowMSP Water Application:
 - Go to the hydrant that you are working on and click on it.
 - Select on Detailed Info.
 - Select Edit {Top Right Corner}
 - Scroll Down until you see Specs.
 - Add the input into the correct space.
 - Save your new information.

Inspection (4 Points)

- ISO Requirements
 - Flushing
 - Static Pressure
 - Inspection Record
 - Frequency (Yearly)
- Steps to follow in your FlowMSP Water Application:
 - Go to the hydrant that you are working on and click on it.
 - Select Maintenance.
 - Select Maintenance Checklist.
 - Complete the 7 questions.
 - If one of the questions fail, write a note on it.
 - Select on add photo and take a picture of the pressure gauge to have a record of the Static Pressure.
 - Save the information.
 - You can schedule your next maintenance date.

Flow Testing (3 Points)

- ISO Requirements
 - Frequency (5 Years)
 - Pitot Gauge Reading
 - Coefficient of Discharge
 - Outlet Size
 - Static Pressure
 - Residual Pressure
- Steps to follow in your FlowMSP Water Application:
 - Go to the hydrant that you are working on and click on it.
 - Select Maintenance.
 - Select Calculate Capacity

- Open Hydrant Capacity
- Add Input for:
 - Pitot Gauge
 - Coefficient of Discharge
 - Outlet Size
- These inputs will give you the hydrant capacity.
- Next, open Main Capacity.
- Add input for:
 - Static Pressure
 - Residual Pressure
- These inputs will give you Main Capacity.
- Select Save.

Two Hydrants Flow Testing

This flow test will give you main capacity at the location of the test hydrant.

- Setup (Test Hydrant)
 - Also known as the Pressure Hydrant since you are going to be measuring Static and Residual Pressure.
 - Attach the gauge cap.
 - Open Test Hydrant and open the valve from the Gauge Cap to let it vent. Closed the vent valve once is completed.
- Setup (Flow Hydrant)
 - Set the Pitot Gauge in the location where the water will be flowing.
 - Measure the Outlet Size (**Input FlowMSP Water Application**)
 - Measure the Coefficient of Discharge. (**Input FlowMSP Water Application**)
- Test
 - Record Static Pressure from the Cap Gauge on the Test Hydrant. (**Input FlowMSP Water Application**)
 - Open Flow Hydrant Fully.
 - Let the flow Stabilizes.
 - Record Pitot Gauge Pressure. (**Input FlowMSP Water Application**)
 - Record Residual Pressure on the Test Hydrant. (**Input FlowMSP Water Application**)
 - Slowly close Flow Hydrant and start removing equipment and putting the cap back again.
 - Close the hydrant on the Test Hydrant and remove cap gauge.
 - Test is completed and you can see your results in the FlowMSP Water Application.