



Water flow tests are conducted to determine the available water supply for fire protection systems and the fire flow available from a fire hydrant for firefighting purposes. Fire flow shall be measured at 20 pounds per square inch (psi) residual pressure.

Two fire hydrants are chosen by the Oceanside Fire Department: One hydrant is designated to measure the static and residual pressures. The other fire hydrant is designated as the flow hydrant.

**TEST PROCEDURES:**

A bourdon pressure gauge should be located on the 2.5-inch outlet of the residual hydrant. Pressure gauges should be calibrated every 12 months.

The hydrant valve should be opened and air released from the barrel. Once the needle comes to rest, the static pressure is then recorded.

The other hydrant(s) 2.5-inch outlets are then opened to read the pitot pressure and residual pressure simultaneously.

The location of the flow shall be in an area that does not cause or result in erosion or flooding issues. The discharge from the flow shall be treated properly by an approved method.