



***Fire Solutions Ltd***

# FIRE HYDRANT TESTING AND INSPECTION



THE FULL RANGE OF TEST, INSPECTION AND MAINTENANCE SERVICES

# OVERVIEW

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A fire hydrant, also called a fireplug, fire pump, jockey pump or simply a pump is a connection point by which firefighters can tap into a water supply. It is a component of active fire protection. Fire hydrant flow testing provides important field information to water service planners and fire services, so that they can accurately estimate the capabilities of water mains. PTSG tests, inspects and maintains hydrants to the requirements of BS 9990 and section 57 of the water industries act 1991.

We offer the full range of services including visual inspection, wet pressure test, static pressure test and flow test, ensuring hydrants operate at optimal efficiency.





# OUR SERVICE

## Visual inspection

We check:

Hydrant  
frame



Cover



Surface  
surrounding  
the hydrant



Indicator  
plate



Age



Location



Material



## Wet pressure test

Fitting a stand pipe to the outlet, partially opening the valve to allow a small amount of water to flow.

A blank cap is fitted in the stand pipe head and the hydrant fully opened. Whilst under pressure, all joints are visually inspected for signs of leakage. Leakages that would impair the hydrant for fire-fighting purposes or cause a hazard are reported immediately.

## Static pressure test

The static pressure test is conducted by attaching a static pressure assembly to the stand pipe with the vent cock open. The hydrant is opened and the vent cock is closed when the stand pipe is free of air. A pressure reading is taken. The hydrant is closed and the vent cock is opened to release the pressure before removing the stand pipe assembly.

## Flow test

Before attaching the flow tube to the hydrant stand pipe, the main is flushed for a short period of time (approximately one minute) to clear any debris which may cause damage to the flow sensor. After flushing, the flow tube is attached to the stand pipe and the hydrant valve is fully opened. The digital display is left to settle before any readings are taken.

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