

Does your facility have a sprinkler system? Part of the yearly maintenance program prescribed under AS 1851 - 2012 Routine service of fire protection systems and equipment, is to perform a water proving test to ensure that the sprinkler water supply system, including any fire pumps, can provide enough water to the sprinkler heads throughout your premises.

The main reason for testing is to verify that the water supply is continuing to meet the sprinkler system's design water requirements. The results from testing also enable interested parties, such as your insurer to understand the capabilities and limitations of your system.

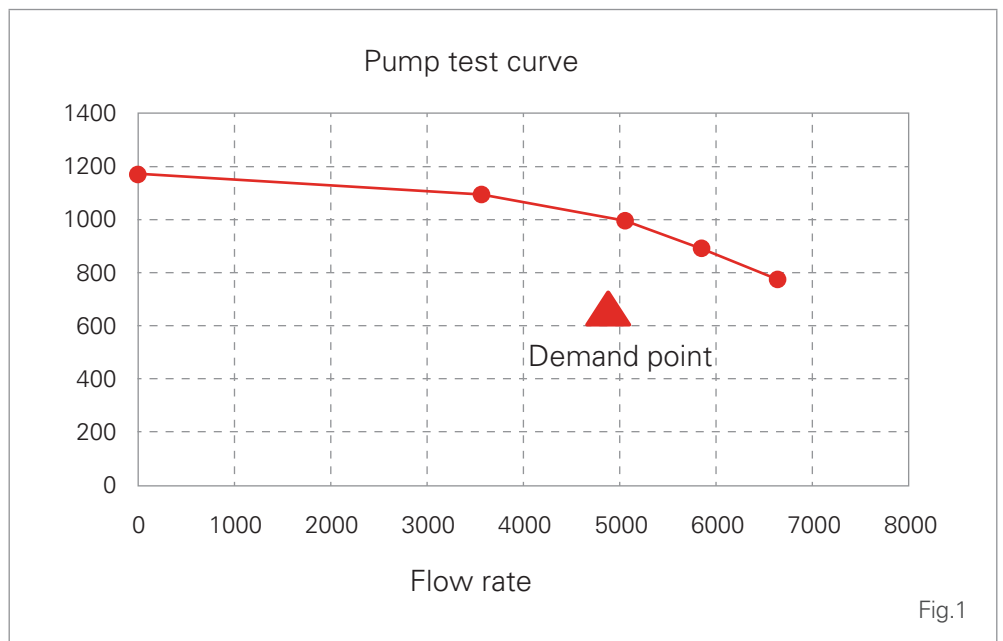


Fig.1

Testing is typically performed at the pump set (for a pumped system) or main control valve (for systems without a pump). The tester will record the pressure of the supply at various flow rates. These results will then be plotted on a graph (see Fig. 1) to show flow against pressure, with the water demand points of the system also plotted.

If the demand point falls below the supply curve achieved in testing, the water supply is considered adequate and when these points appear above the curve water supply is considered inadequate. An inadequate result may require remedial works.

For more information:  
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