

# SFJ CFF03

## Operate fire service water pumps



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### Overview

This standard is about the operation of fire service water pumps. It covers:

- 1 connections of hoses to the pump
- 2 managing the balance of supply and demand through the pump
- 3 using different water sources
- 4 using portable pumps
- 5 maintaining the serviceability of the pump

### Target group

Fire service personnel who have had appropriate training in operating both appliance based and portable water pumps.

## SFJ CFF03

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#### Performance criteria

*You must be able to:*

- P1 select and use appropriate personal protective equipment for all pumping situations
- P2 connect hose to pump to meet the requirements of the incident
- P3 supply hose reels from the appliance tank
- P4 supply a jet from the main pump with the supply augmented from a hydrant
- P5 supply a jet from a main pump using open water supply
- P6 supply a jet from a light portable pump using open water supply
- P7 monitor and adjust pressure/flow in accordance with supply and demand
- P8 take appropriate action to deal with any faults, defects or interruptions to the supply or delivery of water
- P9 receive and supply water as part of a water relay
- P10 maintain communication with all relevant people in relation to supply and demand highlighting any issues
- P11 check and maintain serviceability of pumps, including ensuring water in tank is at an appropriate level
- P12 complete all necessary records in relation to the use and testing of pumping and ancillary equipment

## SFJ CFF03

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#### Knowledge and understanding

*You need to know and understand:*

- K1 the types and uses of personal protective equipment used in pumping situations
- K2 basic operating principles of water pumps
- K3 procedures relating to working near open water supplies
- K4 knots associated with open water set up
- K5 water relay including appropriate set up
- K6 calculations for flow or pressure appropriate to system in use
- K7 fault finding procedures for system in use
- K8 types of water supply and implications for pumping
- K9 implications of using on-board foam supply
- K10 the command structure you are working in

## SFJ CFF03

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