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| **1.27 Sprinkler Systems Basic** | |
| Level | 3 |
| Duration | Minimum of 12 hours |
| CFPA-E Points | 12 |
| Aim | To provide learners with knowledge of basic principles of water extinguishing systems |
| Target Public | Individuals that need basic understanding of water extinguishing systems, e.g.  • responsible and nominated persons for water extinguishing systems/fire protection in companies, organisations and authorities  • architects, engineers, consultants and planners  • insurers  • fire brigades  The course can also be used as an introductory course for new staff members at manufacturers, distributors and installers of water extinguishing techniques |
| Prerequisites | Technician /technical background |
| Progression | Courses from the CFPA qualifications framework to broaden knowledge at Level 3 or progress to more in-depth courses at Level 4 |
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| Learning Outcomes | Upon successful completion of the course learners will be able to: |
|  | Relate the scope of protection offered to premises using active sprinkler systems |
|  | Examine and test the components and operation of water extinguishing systems, incl. electronic monitoring, remote control, valves, pumps and types of suppression systems |
|  | Compare and contrast the principles of system design and basic water extinguishing systems operation in the main types of system [Wet, Dry, Alternate, Deluge] |
|  | Select the appropriate rules for planning and installation (e.g. EN 12845, CEA 4001), including classification of risks, special protection concepts |
|  | Select and test the appropriate maintenance regime and requirements for the type of sprinkler system in accordance with the national or European standards currently in force |
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| Related Guidelines |  |
| Assessment | A practical and/or written assessment in the area that is designed for one hour in duration |
| Qualifications | Attest |