Designing Water Efficient Hot and Cold Supplies

Agenda
09:15   Arrival – Registration / coffee / tea

09:30   Session 1a Introduction and basic issues  Traditional water systems in the UK, low pressure, high pressure. (two tap sinks). Water distribution systems, water consumption data, users’ expectations. Wholesome water – what is it? Alternative waters. Types of water in the UK. Water grid option.

11:15   Coffee / tea break (15 mins)

11:30   Session 1b Introduction and basic issues- continued  Water Regulations and Byelaws, Building Regulations and Standards, HSE ACoPs and guides, CIBSE Guide G

11:30   Session 2 Hot Water  Hot water generation, energy and heat loss, choice of water heating system: storage, instantaneous, vented, unvented, thermal stores, HIUs, point of use. Hot water storage sizing

13:00   Lunch (45 mins)

13:45   Session 3 Cold Water  Legionella risk minimisation – keeping cold water cold – layout, insulation and cooling (heat pumps), Supply improvement techniques, accumulators, pumps, pipes, water meters, softeners, conditioners and fridges, HSE issues, anti-stagnation layouts

15:00   Coffee / tea break (15 mins)


15:15   Session 6 Saving water  Retrofitting, WC options, flushability, taps, showerheads, baths, the future? Toilet reinvented, digital twins. Free information, other sources of information.

16:10 – 16.20 Quiz

16.20– 16.25 Answers to quiz

16.25-16.30  Any other questions

For more information about this course contact the training team:

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