

last user of the day, or before the site is closed overnight, but with the spa pool left running.

124 Sand filters should always be backwashed before the pressure rises above normal clean operating pressure by 0.35 bar. Precoat filters should be recharged according to manufacturers' instructions. Where cartridge filters are used, at least two sets should be retained to ensure there is one set in use while the other is being chemically cleaned and dried. Filters should be replaced as appropriate in accordance with risk assessment and manufacturers' instructions.

125 The frequency of inspection and monitoring of the spa-pool system will depend on the operating characteristics of the pool, its complexity, design bather load and setting, eg healthcare. The risk assessment should define the frequency of inspection and monitoring, depending on the type of use and user (particularly where there are adjustments made by the assessor to take account of local needs). Table 1 provides a checklist of operational actions and the typical recommended frequencies. Table 2 (page 38) provides guidance on the spa-pool inspection and recommended actions.

Table 1 Operational actions and typical frequencies

Operational actions	Typical frequencies	
	Commercial-type spa pools (high bather load)	Domestic-type spa pools and hot tubs
Check water clarity	Daily at opening and every two hours thereafter	At least twice daily depending on risk assessment and usage
Check if dosing system is working	Daily at opening	Daily
Check chemical reservoir level	Daily at opening	Daily where appropriate
Determine pH value, and residual disinfectant	Daily at opening and every two hours thereafter	At least twice daily depending on risk assessment and usage
Determine TDS	Daily	-
Clean the water-line	Daily – at end of the day/ user period with a fresh damp cloth using sodium bicarbonate (sodium hydrogen carbonate)	Check daily and clean as appropriate but as a minimum at water replacement
Clean overflow channels and skimmers	Daily – at end of the day/ user period	Check daily and clean as appropriate but as a minimum at water replacement
Clean spa-pool surround	Daily – at end of the day/ user period	Check daily and clean as appropriate but as a minimum at water replacement

Operational actions	Typical frequencies	
	Commercial-type spa pools (high bather load)	Domestic-type spa pools and hot tubs
Backwash filter	Daily – at the end of the day/user period	-
Replace cartridge filter with a cleaned cartridge	-	At water replacement
Inspect strainers and grilles	Daily	At water replacement
Record incidents	Daily	As appropriate
Check any automatic systems are operating correctly	Daily	Daily, where fitted
Drain spa pool, clean whole system including strainers and refill	Daily to weekly based on risk assessment	Between each group of users or at least weekly, whichever is shorter
Drain and clean balance tank	At least twice per year based on risk assessment and weekly visual checks	-
Inspect accessible pipework and jets and clean as necessary	Weekly	Weekly
Disinfect flexible hoses	Monthly	Monthly
Microbiological testing	Monthly for ACC, coliforms, <i>E coli</i> , <i>P aeruginosa</i> and quarterly for legionella	Monthly for ACC, coliforms, <i>E coli</i> , <i>P aeruginosa</i> and quarterly for legionella
Clean input air filter	Monthly	Monthly
Full chemical test dependent on water quality	Monthly or as determined by risk assessment	As determined by risk assessment
Disinfectant/pH controller – clean electrode and check calibration	Monthly or according to manufacturers' instructions	Monthly, where fitted, or according to manufacturers' instructions
Check effectiveness of filtration	Quarterly	-
Check, clean, disinfect and dry filter cartridge	-	Between each group of users or weekly, whichever is shorter
Clean and disinfect airlines	Quarterly	Weekly where appropriate
Check sand filter	Quarterly check and annual sand replacement	-