




International site for Spirax Sarco

Tel:  (800) 575-0394
Fax: (803) 714-2222
InsideSalesLeads@Spirax.com
<http://www.SpiraxSarco.com/us/>

You are here: [Home](#) ▶ [Resources](#) ▶ [Steam Engineering Tutorials](#) ▶ [The Boiler House](#) ▶ [Water for the Boiler](#)
▶ **Questions**

Water for the Boiler

Questions

Questions

3.10 Water for the Boiler

1 Good quality water is required to:

- a) Avoid corrosion
- b) Avoid scaling
- c) Produce good quality steam
- d) All of the above ✓

2 Good quality water will result in:

- a) Good surface definition, enabling level controls to operate correctly
- b) Better performance of plant equipment due to avoidance of contamination
- c) The export of good quality steam
- d) All of the above ✓

3 Temporary hardness salts

- a) Stay in solution, whatever the water temperature
- b) Come out of solution as the water temperature increases ✓
- c) Modify the pH of the feedwater
- d) Increase as the water temperature increases

4 A base exchange water softener is regenerated using:

- a) A sodium sulphate solution
- b) A sodium chloride solution ✓
- c) A sodium bicarbonate solution
- d) A magnesium chloride solution

5

A base exchange water softener regeneration cycle is usually initiated on the basis of:

- a) Time or total flow ✓
- b) A change in TDS within the vessel
- c) Shift change
- d) A change in colour of the discharged water

6

A base exchange water softener is generally chosen for shell boiler plant because:

■

a) It represents a good balance between capital cost, operating cost and effectiveness



b)

The operating procedure is similar to shell boilers, so on-site personnel already have the necessary skills



c)

It is cheaper in the short term, however, the longer service life of dealkalisation plants means that they represent a saving in the longer term



d) They are more widely available



[Check Answers](#)