

## PH Correction

Water in which the pH is below 7 is acidic. Acidic water accelerates corrosion in pipe work, causes staining of baths, sinks and other appliances and can leave a distinctive 'metallic' taste to the water.

### pH correction media

Water with a pH below 7 is acidic and has a corrosive nature. Acidic water corrodes the copper pipe-work and heating systems found in domestic and industrial plumbing systems. The copper dissolves out and is deposited on fixtures and fittings leaving unsightly blue/green stains. Raising the pH will neutralise the water stopping this corrosion

pH correction can remove the metallic taste and may also reduce any iron or manganese contamination.

The simplest way to raise the pH of water is to pass the water through a vessel containing slowly dissolving calcium and magnesium salts. These salts slowly dissolve into the water 're-mineralising' the water and naturally raising the pH. The water can be simply passed through the media through an in/out head or through an automatic backwashing filter head. The backwashing head has the advantage of remixing the media and also removing any debris or iron and manganese which may have been oxidised out of solution as the pH increases.

### Standard media

This is a granular media made up of 99.4% calcium carbonate. It has a superior performance to limestone due to its micro-crystalline structure. It dissolves very slowly, is free from soluble constituents and has a low silica content. The media is consumed over a period of time & new media should be added to the vessel

### PH Plus media

This media is a highly reactive magnesium oxide salt and is used most effectively where the pH correction is substantial or the flow rate is high. If the pH is less than 6 a 25% mix of PH Plus and 75% standard media is an ideal. If this media is added then the system must be a backwashing type as it can have a tendency to cement.

Kit Ref	202.302	202.303	202.304	202.305	202.306	202.307
Vessel	10.54	12.52	13.54	14.65	16.65	18.65
Forward flow cu.m.h	0.7	1.1	1.3	1.5	1.9	2.4
Backwash flow cu.m/h	1.6	1.8	2.30	2.3	3.4	3.9

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