

■ pH Correction

System Management-Manual

Upflow 'manual' pH correction units are used for raising the pH of otherwise clean water, or for the re-mineralising of pure water produced by reverse osmosis or desalination. For water with significant Iron and Manganese levels an auto-backwashing or combination system will be required. Domestic units upto 13" include a service flow controller and quick release couplings for ease of refilling. Larger industrial systems of 14" diameter and above use a top and bottom entry vessel for maximum flow. These do not include flow controllers or quick release couplings.

System Management-Automatic

Backwashing systems include service and drain line flow controllers. NB. Backwash flow per vessel is 1.5 times the service flow. It is sometimes beneficial to use two or more small systems in parallel instead of one large one to reduce the pumping requirement. In areas of high media usage, special vessels can be required with an additional filling port. This eliminates the need to remove the backwashing valve during media replenishment. There are a number of backwashing valves available from Fleck and Clack.

Manual pH Correction

pH Correction Model	1054	1248	1354	1465	1665
Flow Rate m3/h	0.6	0.85	1.00	1.20	1.50
Connections	3/4" BSP	3/4" BSP	3/4" BSP	2" Socket	2" Socket
Total Height (mm)	1455	1296	1445	1768	1772
Diameter (mm)	270	315	335	370	410

Automatic pH Correction

pH Correction Model	1054	1248	1354	1465	1665	1865	2160	2469
Flow rate m3/h	0.60	0.85	1.00	1.20	1.50	1.90	2.60	3.40
Backwash Flow Rate m3/h	0.90	1.28	1.50	1.80	2.25	2.85	3.90	5.10
Connections	1" BSP	1.5" BSP	1.5" BSP					
Total Height (mm)	1607	1458	1601	1984	1988	2088	2098	2288
Diameter (mm)	270	315	335	370	410	510	560	620

The diagram below shows a typical system for re-mineralising RO water using a pH correction system.

