

PureZone

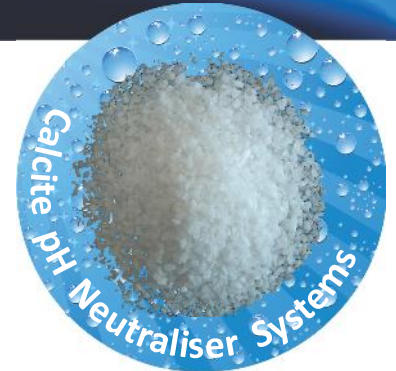
For Pure Clean Water

Natural way
to raise the
pH of water

The PureZone Calcite pH Neutraliser System is an effective **chemical-free, all natural way to raise the pH of your water** without damaging the environment.

Acidic water can leach unhealthy levels of copper from pipes and cause greenish-blue stains on fixtures. It can cause many other corrosion problems as well, and drastically shorten the life of water-using equipment, including dishwashers, washing machines, hot water heaters as well as fixtures. It can also cause hair discolouration in fair haired people.

pH is an indicator of the acid or alkaline condition of water. The pH scale ranges from 0-14; 7 indicates the theoretical neutral point. In the PureZone pH Neutralizer system, acidic waters slowly dissolve the calcium and magnesium media on contact as the water flows through the filter, raising the pH of the water and increasing the alkalinity. This eliminates the effects of corrosive water chemistries and can help to prevent corrosion of piping and fixtures. An automatic backwashing cleans the bed and prevents compaction. More calcite can quickly and easily be added to the



tank, typically once per year for most residential applications.

There are 3 different PureZone models available:-

- **Up Flow** - This configuration allows water to flow down the riser tube and then up through the media bed. No backwashing is required however maximum flow rates must be followed to prevent blinding off the valve
- **Down Flow Manual** – This configuration allows water to flow down through the media bed and then up through the riser pipe. Periodic backwashing is required to both lift and clean the media bed and to prevent 'cementing'. This system allows higher flows through smaller tanks.
- **Down Flow Automatic** – This configuration is the same as Down Flow Manual except the system is supplied with a fully automatic control valve.



The PureZone pH Neutraliser Difference

When you purchase a Purezone pH Neutraliser you have the added benefits of:-

- Back-up support of a team of highly trained water technicians who can help with any further problems or troubleshooting
- Supporting a 100% NZ owned company
- Purezone stocks a large range of service/replacement parts
- PureZone pH Neutralisers use Calcite media which has a self-limiting property in that it will only correct the pH enough to reach a non-corrosive equilibrium. **It will not over correct.**
- Can be used for pH situations as low as 5
- Calcite media is an all-natural occurring product, so there are no harmful chemicals used in the treatment
- In a Down Flow configuration, the PureZone pH Neutraliser will also act as a filter removing sediment and small amounts of rust from the water, and then backwashing it out.

Sizing a PureZone pH Neutraliser

Sizing a PureZone pH Neutraliser isn't as simple as a one size fit all situations, as the pH level will vary from premise to premise. The following table should be used as a guide only and you should consult with your local dealer to which unit will suit your needs.

| Tank Size* | Calcite Amount Upflow / Downflow | Gravel Downflow | Peak Flow Rate (LPM) | | Use |
|------------|--|--------------------|-------------------------|----------|------------------------|
| | | | Upflow | Downflow | |
| 0618 | 5/5 | N/A | | | Bach or Small Domestic |
| 0735 | 15/15 | 5 | 10 | 13 | Bach or Small Domestic |
| 0844 | 28/23 | 7 | 14 | 16 | Medium Domestic |
| 1054 | 68/46 | 10 | 20 | 25 | Large Domestic |
| 1252 | 90/73 | 15 | 30 | 36 | Small Commercial |

* Tank size denotes: (a) First 2 numbers - diameter in inches
(b) Second 2 numbers - height in inches



Non-Backwash



Upflow Refill Port



Manual
Backwash



AQT-275



N25



263/742

VALVE HEAD SUBJECT TO CHANGE

Also available from PureZone

CARBON – Do you have issues with chlorine, bad taste or odour in your water? If so, then you can also treat this with a back-washable carbon filter. The carbon filter will remove chlorine, benzene, radon, solvents, trihalomethane compounds, volatile organic chemicals (VOC's) such as pesticides and herbicides and hundreds of other man-made chemicals that may come into contact with your water supply

SEDIMENT – Do you have issues with sand or sediment in your water supply? If so, then you can also treat this with a back-washable sediment filter. The sediment filter can remove particles down to either 20 micron or 5 micron depending on which model you choose. These systems can be used for domestic purposes and also commercial/industrial and even in the dairy sector.

WATER SOFTENER – Do you have issues with scale build up in your water heater, shower screens, coffee machine, kettle or other home appliances? Do you have problems washing clothes adequately or are your dishes not coming out of the dishwasher clean? Your issue may be that you have hard water and require a water softener to soften the water. A PureZone Water Softener will help.

Your local stockist:



Distributed by Aqua Dynamics