

DOMESTIC WATER SOFTENERS



PM10 - 10 Litre meter controlled water softener

Reasons for needing a water softener

Hard water is commonly found in the domestic water supply of the British Isles. It is a solution of rainwater and dissolved mineral salts like calcium and magnesium, produced when rainwater passes through the local mineral rich rock. When heated, hard water evaporates leaving a thick layer of mineral deposits, this layer of deposit is called scale.

Scale creates a number of problems within the home, all types of heating elements get coated with thick scale making them inefficient. Pipes, valves and showerheads become prone to blocking and scale deposits are left everywhere. You only need to look at the end of your taps and the state of showers and baths, if left uncleaned for a short period.

Once a water softener is installed cleaning showers and baths takes no time at all.

Appliances last longer and energy efficiency is increased, as existing scale is slowly dissolved.

Benefits of using a water softener

- Eliminates damaging lime scale enabling household boiler and appliances to last longer.
- Reduces the need for cleaning. No more lime marks on showers and taps. All scum lines in baths and sinks are eliminated.
- Soft water is kinder to hair and skin.
- Reduce the use and additional cost of detergents, soaps, shampoos and cleaning agents.
- Reduction in scale results in lower maintenance and an increase in energy efficiency.

Benefits of using a Pozzani water softener

- Models available in 10 litre volume for normal domestic use or 30 litre volume for larger domestic needs.
- Compactly designed cabinet.
- Choice of timer or meter controls.
- Highly reliable.
- Cost effective.

How the Pozzani water softeners work

Pozzani's water softeners work by passing hard water at a pressure through a resin column that contains small ion charged plastic beads. These beads clean the hard water by removing all the calcium deposits and replacing them with sodium.

After the resin becomes exhausted a common salt solution is drawn through the column and the hard minerals from the resin are then released and flushed down the drain with all the excess brine. This process is called regeneration and is repeated as often as is necessary.

Choice of Valves available

The Pozzani range of water softeners can be controlled with either a standard *timer* valve or by a more efficient *meter* controlled valve.

Timer controlled

Product code
PT10 (10 Litre)
PT30 (30 Litre)



- The *timer* valve acts like a central heating time clock in that regeneration is activated by the setting of timer pins. i.e for every 2 days or 3 days etc.
- The *timer* model does not measure the volume of water softened so regeneration is less accurate.
- If you use water on a consistent basis the *timer model* is a viable option.
- If your usage varies a lot or you go away regularly the *meter* valve may be a better option.

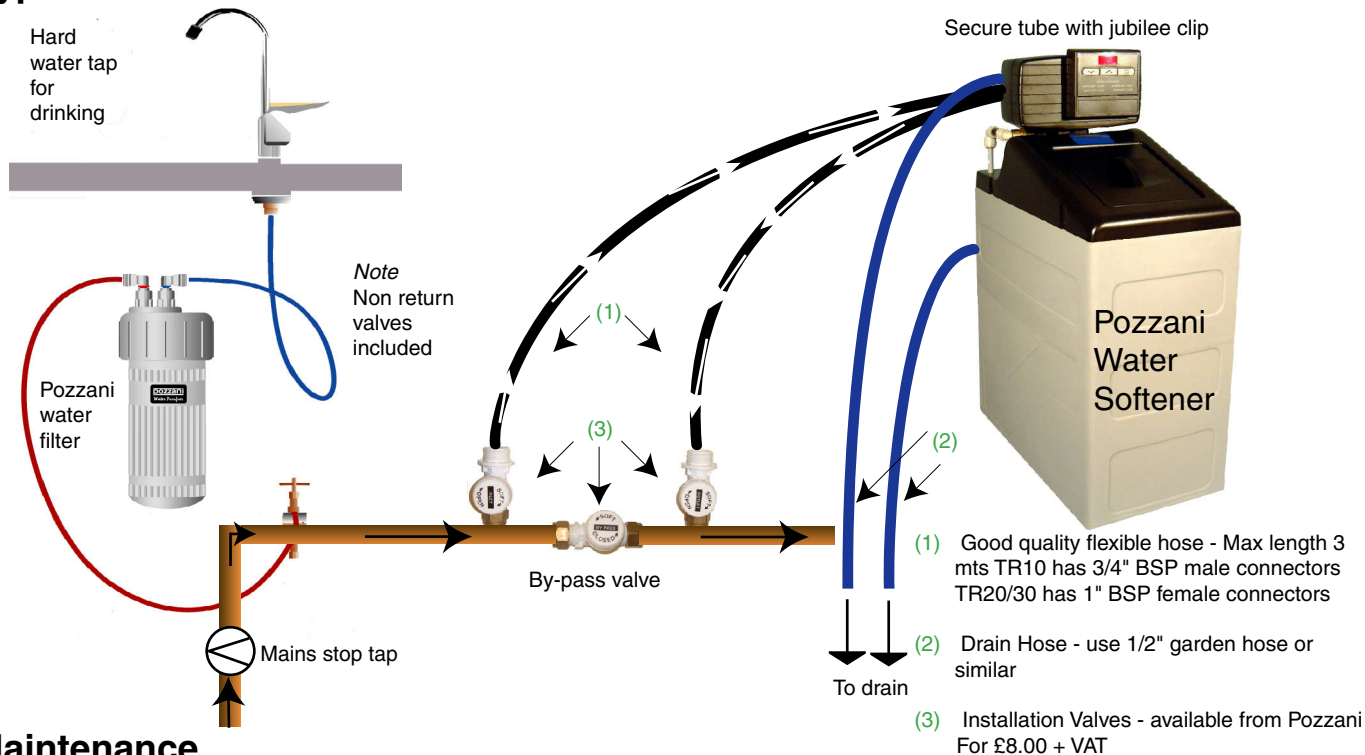
Meter controlled

Product code
PM10 (10 Litre)
PM30 (30 Litre)



- The *meter* model is the more popular option, accounting for over 90% of our sales. It is both more efficient and more convenient to use.
- The *meter* valve measures the amount of water softened so regeneration is more accurate. Less water and salt therefore needs to be used.
- The *meter* valve uses the latest technology of **up flow brining** to reduce salt and water consumption.
- There is no need to switch the *meter* valve off during periods of absence or holiday.

Typical Installation of Pozzani Domestic Water Softener



Maintenance

All the water softeners supplied by Pozzani are very reliable and will provide years of excellent service. Attention needs only to be paid on the level of salt in the brine tank which will occasionally need to be added to, as and when required.

Advice on soft water

Even though soft water provides many benefits within the home, for drinking purposes it is advisable to keep installed a hard water tap.



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Technical Specifications				
Cabinet style	PT10	PM10	PT30	PM30
Model/resin volume				
Capacity of resin column	10	10	30	30
Height to top of hood (mm)	N/A	N/A	1150	1150
Height to top of valve - Fleck	620	620	1090	1090
Width (mm)	230	230	270	270
Depth including overflow (mm)	450	450	520	520
Capacity at 20° Clark* (Litres)	1753	1753	5260	5260
Salt storage capacity (Kg)	20	20	75	75
Salt usage per regeneration (Kg)	1.4	0.9	4.2	2.7
Shipping weight (Kg)	16	16	45	45