



WATERWAYS' - PENTEK FILTER HOUSINGS

Waterways' uses Pentek filter housings to contain the variety of filter cartridges that are the heart of its superior quality drinking water purifier appliances. So why do we use genuine US manufactured Pentek filter housing and not one of the myriad of very much cheaper Chinese/ Taiwanese products that to the uninitiated look so similar?

The job of a filter housing. Filter housings – particularly the undersink type – are subject to the extreme forces of full mains water pressure. While well designed filter housings will perform well for many, many years, inferior products can fail with obvious disastrous consequents. "Cheap" is not cheap when you are faced with the ramifications of a flooded home!

Materials of construction. Many filter housings are made from ABS which by its nature is a very rigid material. When subject to high pressure loadings, "what does not give can break" – particularly as rigid materials age and become even more brittle. Pentek filter housings are manufactured from food grade polypropylene – an extremely strong and light and yet amazingly pliable material. Pentek filter housings are designed to flex with variations in water pressure and do not become brittle with age. Both the head and the sump of the filter housing are batch numbered and matched to ensure the absolute compatibility of both components. Do not be fooled by the thickness of the material of construction. Well designed filter housings are scientifically designed to perform well under extreme conditions – including the ability to withstand the potentially damaging effects of water hammer and/ or pressure spikes. Wall thickness has little to do with material strength – particularly in items that are required to flex - but is often added in an attempt to overcome design inadequacies.

Test and approvals. Pentek filter housings have been tested and confirmed to withstand 2070kpa (295psi) of continual mains water pressure. This is considerably higher than the pressure to which they will ever be subjected. Pentek's materials of manufacture are ANI/ NSF 42 approved (for materials and structural integrity). They have also been tested by Australian Standards and certified to comply with AS/ NZS 3497:1998 clauses 5.2 (hydrostatic test) and 5.4 (burst pressure).

Many companies claim that their products will meet the stringent requirements of NSF (US) and Australian Standards testing protocol. Do not take this for granted – ask to see proof of performance.

Tried and tested. Pentek filter housings have proven themselves to be as reliable in practice as they are in theory. They have been used widely by companies such as Coca Cola and are highly regarded as the "Rolls Royce" of filter housings. There have been many imitators, but Pentek remains as an outstanding performer in the water purification industry – well approved and widely tried and tested in both commercial and domestic water purification installations.

Summary. Waterways' proudly does not use Chinese/ Taiwanese filter housings in the manufacture of its drinking water purifiers. Although considerably less costly it is just not worth the risk. Good quality filter housings are a vitally important component of a high performance drinking water purifier. Pentek filter housings have stood the test of time and simply remain amongst the best that is available on the world market.

Waterways Products (Aust) Pty Ltd
730 Marion Road Marion SA 5043
PO Box 408 Melrose Park SA 5039
Phone 08 8374 3111 Fax 08 8374 3117
Email enquiries@waterwaysproducts.com