

HAGUE

Water Softeners

Domestic range information



*Maximum Performance
Less Salt!*

HAGUE
Quality Water International®

The Hague story

Hague Quality Water was Founded in 1960 by William R Hague and built into an international business exporting to over 50 countries around the world.



The Company was built on the foundation of excellence in engineering and innovation and is now the longest standing water treatment manufacturer in the United States.

All Hague water softeners are 100% manufactured in the USA where design, engineering and manufacture are all carried out.

In 2015 Hague became a part of AO Smith Corporation. The AO Smith and Hague Corporate values align perfectly with AO Smith being one of the oldest manufacturing companies in America with a rich 150 year history of innovation, integrity and excellence.

AO Smith – Market Capitalisation \$7.8 Billion.

Innovating for Tomorrow

A.O. Smith is proud to be one of the world's leading water heating and water treatment solutions providers.

A.O. Smith – Founded in 1874



AO Smith – Founded in 1874.

AO Smith and Hague Quality Water International are proud to be holders of the WQA Gold seal of approval and the WQA Mark of Excellence.



Independently tested and verified. A brand you can trust!

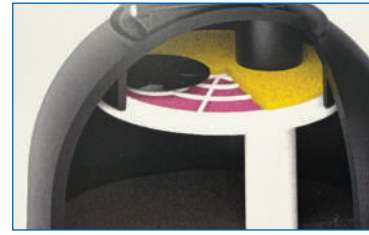
Hague Quality Water holds one overarching WQA Gold Seal of Approval, which acts as the umbrella certificate for their manufacturing line. Under this program, Hague's core water treatment systems are certified to **specific NSF/ANSI standards** to independently prove their safety and efficiency claims.

Water softeners & water conditioners testing

Hague's flagship lines, including the **Hague WaterMax® series** and the **Maximizer series**, are certified under:

- **NSF/ANSI 44:** This is the core ANSI (American National Standards Institute) standard for residential cation exchange water softeners. It certifies that the systems successfully remove hardness (calcium and magnesium), maintain structural integrity under water pressure, and meet strict material safety requirements so no harmful substances leach into your water. Unlike many test protocols the NSF/ANSI 44 tests operational performance as well, not just integrity.

What makes Hague systems different?



At the heart of every Hague system is the unique and innovative pressure vessel media tank built to optimise performance.

- Designed with computational fluid dynamics to ensure full utilisation of both softening capacity and regeneration salt. This equals less salt and water needed
- The finest highest capacity ion exchange resins in the industry = more capacity in a smaller package
- Patented directional flow screens = filtration and higher flow rates available
- 20/25 micron sediment filtration in every model = dirt and sediment removal to protect the softener and prolong life
- Patented vacuum filled, packed bed mineral tank to maximise capacity and eliminate the need for a second tank.

Golden Chlorostat media available in all models. This optional media not only offers chlorine reduction by eliminating up to 99% of free chlorine, greatly improving water taste and odour, it also effectively removes heavy metals from the water by capturing dissolved metals like lead, mercury, and chromium. Plus it acts as a bacteriostat with its antimicrobial properties helping to prevent the growth of bacteria and algae inside the system.



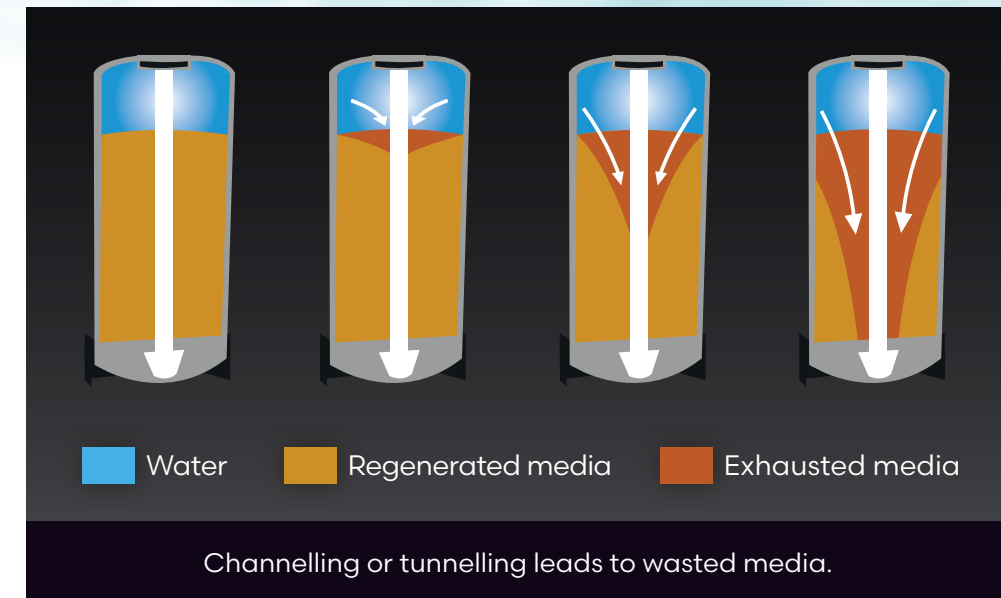
Giving better quality soft water by design!

This is a function of the counterflow regeneration process. This not only provides excellent quality soft water but also allows the system to vary the amount of salt required to carry out a full regeneration and not to waste salt regenerating un-used capacity.

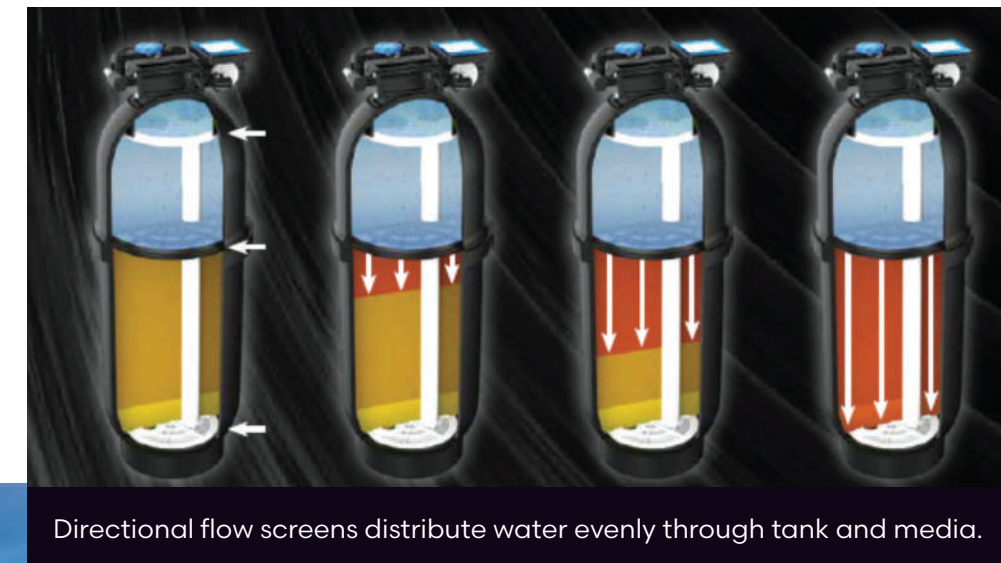
Water softeners using coflow regeneration not only have to carry out a full 100% regeneration every time but will only remove between 93 and 98% of the hardness.

Counterflow regeneration on the other hand consistently removes 99.9% of the hardness. Which seems like a small difference until you realise that hard water scum forms in water hardness as low as 5- 10mg/l.

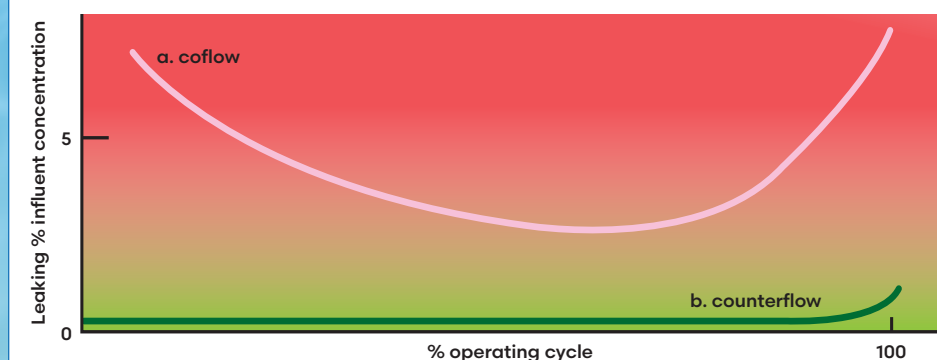
Conventional



WaterMax Signature Series



Typical hardness leakage profiles (schematic) during the softening cycle



Hague Maximizer 410 Ni – Full size performance in half the space



From our computerised solid-state control to our exclusive directional flow screens, only the most advanced manufacturing processes and materials have been used to build the Hague Maximizer 410 Ni.

- ✓ Built-in, salt and water saving technology
- ✓ Low profile design
- ✓ Convenient easy-fill salt cabinet
- ✓ Quality materials and components
- ✓ Absolute brining
- ✓ Multi-function controller - operates by demand mode or
- ✓ Time forced regeneration
- ✓ Patented capacity guard - never run out of softened water
- ✓ Low maintenance - just fill with salt as necessary
- ✓ Our patented packed bed mineral tank eliminates the need for a second tank.

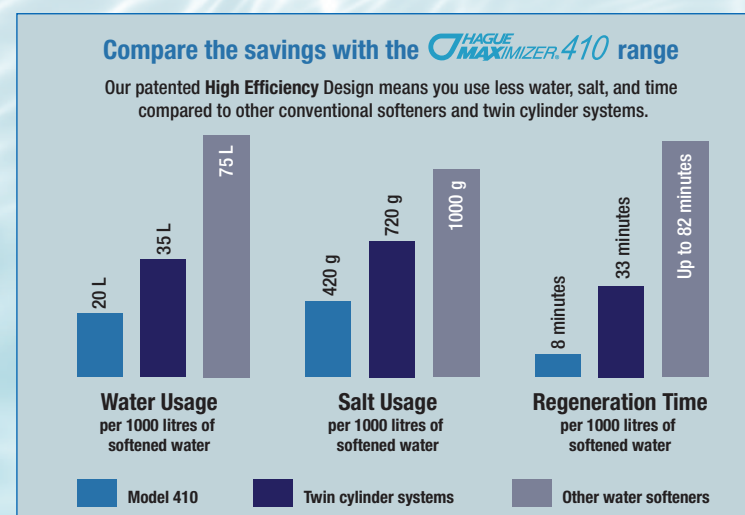
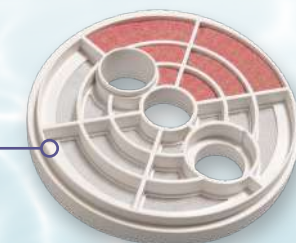
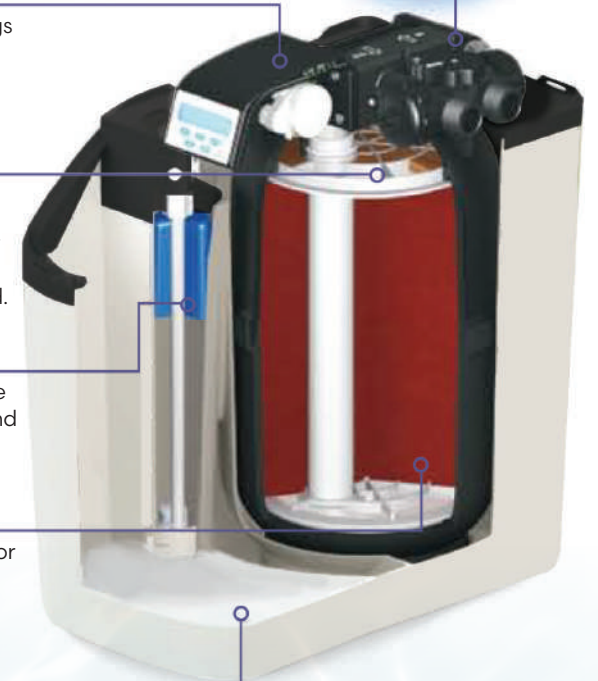


Hague do not make salt or seek to force you to buy one type or brand of salt. The Hague 410s are flexible and can operate on any type of clean compacted salt: tablet, block, mini block, bent block, pellet - as long as it is pure clean PDV salt.



The compact whole house water treatment system

- 1 Blending bypass valve**
Our full 1 inch valve feature 1 inch porting throughout to maximize the water flow.
- 2 System controller**
Operates in three languages and retains cycle settings indefinitely, even through power outages. The time of day setting remains in memory for up to seven days without power.
- 3 Whole house, built-in, self cleaning filter**
Filters dirt and sediment down to 20 microns - smaller than the human eye can see. Plus, there's never any cartridges to change and no maintenance is required.
- 4 Safety shut-off system**
To help prevent the possibility of any overflows, Hague Maximizer 410 Ni features a safety shutoff - just the kind of detail you would expect from Hague.
- 5 Fine mesh resin**
Our patented mineral tank with its screened distributor system allows us to pack more resin in the tank and backwash our unit with clean soft water, therefore eliminating the need for a second mineral tank.
- 6 Grid plate**
The grid plate in the segregated brine tank compartment provides a clear well area to ensure consistent brine concentration.
- 7 Patented directional flow screen**



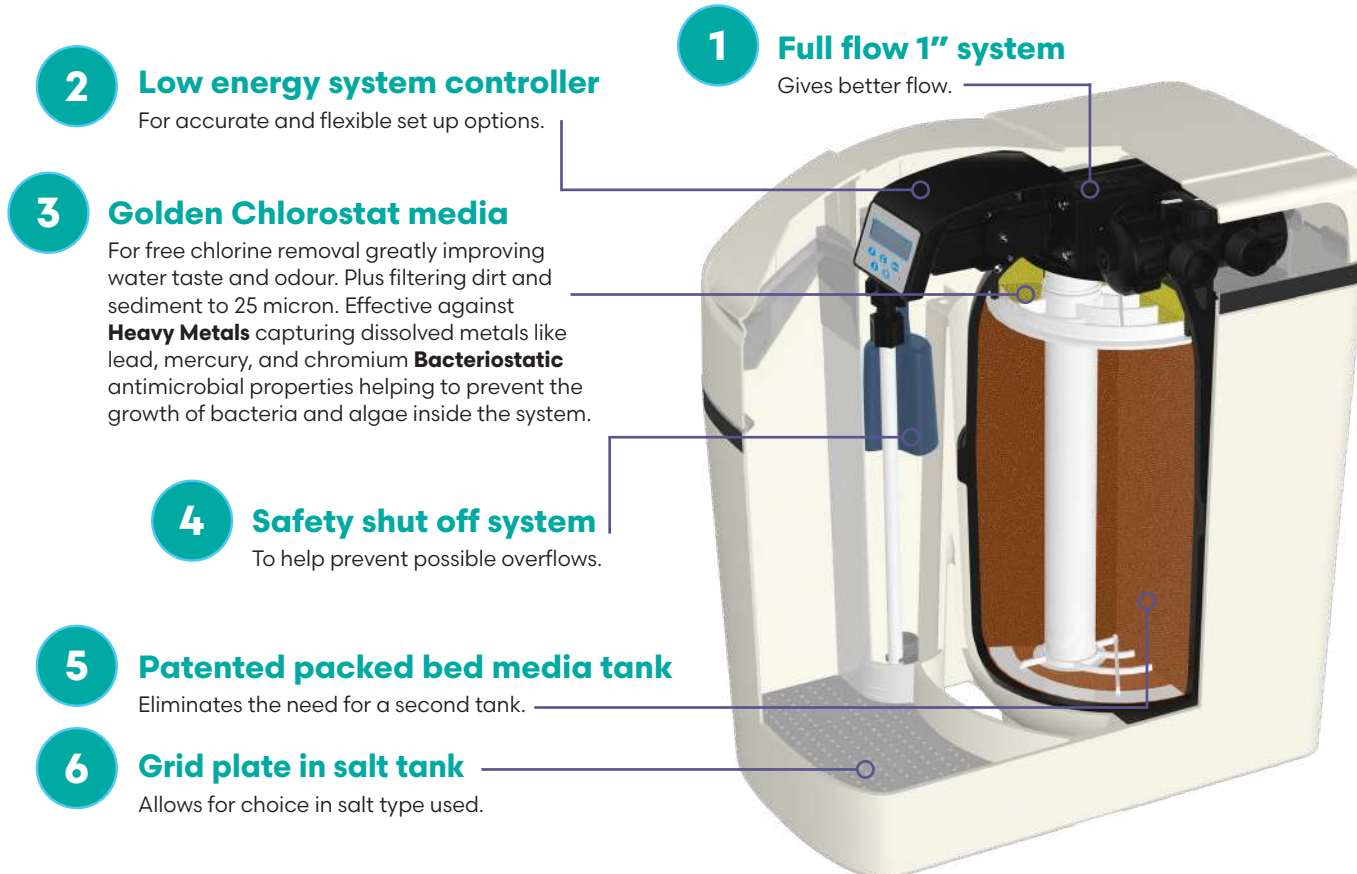
Compact design to fit into small spaces

HAGUE 410 NiBi – Whole house filtration and softening in one compact, powerful, package

Ideal for modern mains fed plumbing systems

Introducing the first compact whole house water system to soften, filter, remove free chlorine and reduce heavy metals in one package.

Eliminates the need for shower filters and other chlorine reduction filters around the home



- 1" Full flow valve and connections
- Perfect for mains fed plumbing systems
- Useable flow rates up to 70lpm
- 40% more flow than the equivalent twin cylinder options*
- Less frictional loss than twin cylinder options
- 30 - 50% less salt than twin cylinder options
- Flexible – choice of salt type and salt supplier.

*tested in bench conditions using identical water supply pressure and flow boosting equipment

Scan here to see the video



The NiBi system removes free chlorine, heavy metals, and chemicals from tap water. This helps to protect your natural body oils. Your skin stays soft. Your hair stays shiny. And can help alleviate the itchy feeling from dry skin.

- **Saves hair colour:** chemicals like chlorine fade hair dye. Filtering your water makes your hair colour last longer
- **Stops bad smells:** filters get rid of the "bleach" smell of chlorine
- **Better breathing:** hot water turns chlorine into a gas. Inhaling this gas can bother your lungs. The NiBi keeps the air in your bathroom fresh and easy to breathe.



Hague do not make salt or seek to force you to buy one type or brand of salt. The Hague 410 range is flexible and can operate on any type of clean compacted salt. Tablet, block, mini block, bent block, pellet as long as it is pure clean PDV salt.

Built-in, self cleaning filter saves time, money and labour on filter replacements



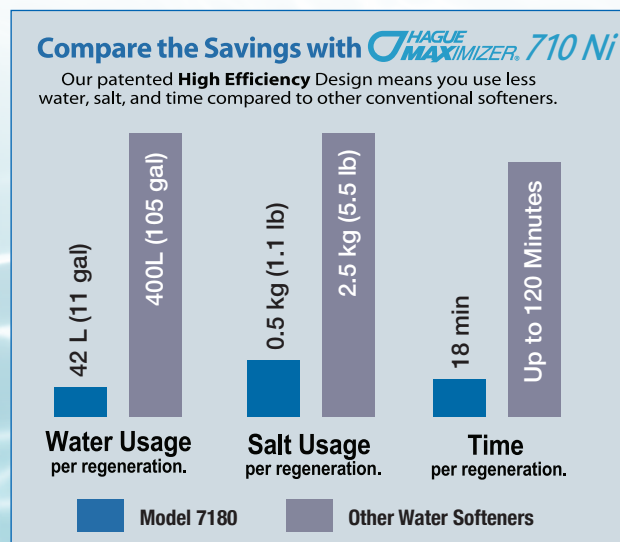
Dimensions		Specifications	
		Max hardness removed	690g
		Media Hague 410 Ni	Ultrafine mesh resin 11.3 L Plus 700g Ultrafil
		Media Hague 410 NiBi	Ultrafine mesh resin 11.3 L Plus 900g Golden Chlorostat
		Salt used per regeneration	0.5 kg - 0.9 kg - 1.4 kg (1-2-3 lbs)
		Regeneration time	12 - 15 - 18 minutes
		Plumbing connections	1" or 3/4"
		Valve size	1"
		Salt storage	14 kg
		Electrical requirements	220 VAC, 50 Hz to 12V transformer
		Max water temperature	49°C
		Pressure range (min, max)	1.4 - 8.3 BAR
		Footprint	292 mm x 470 mm
		Height	533 mm
		Shipping weight	25 kg

Hague Maximizer 710 Ni – Water softeners for larger homes

Full size performance in compact design

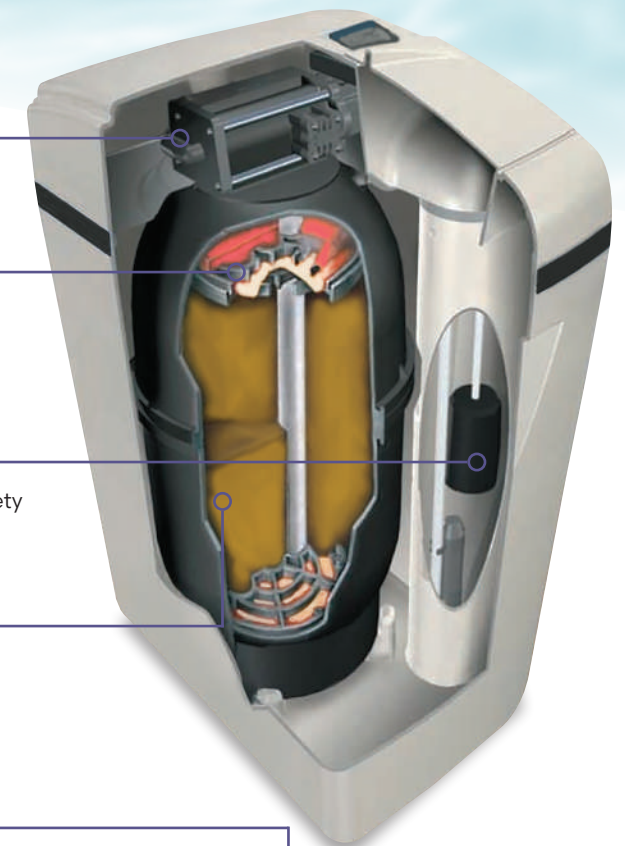
From our computerised Wi-Fi enabled controller to our exclusive directional flow screens, only the most advanced manufacturing processes and materials have been used to build the Hague 710 Ni

- Built-in, salt and water saving technology
- Convenient easy-fill salt cabinet
- Quality materials and components
- Patented capacity guard - never run out of treated water
- Low maintenance - just fill with salt as necessary
- Our patented packed bed mineral tank eliminates the need for a second tank
- Optimised to use tablet salt.



The compact whole house water treatment system

- 1 Blending bypass valve**
Our full 1 inch valve feature 1 inch porting throughout to maximize the water flow.
- 2 Whole house, built-in, self cleaning filter**
Filters dirt and sediment down to 20 microns - smaller than the human eye can see. Plus, there's never any cartridges to change and no maintenance is required.
- 3 Safety shut-off system**
To help prevent the possibility of any overflows, it features a safety shutoff - just the kind of detail you would expect from Hague.
- 4 Fine mesh resin**
Our patented mineral tank with its screened distributor system allows us to pack more resin in the tank and backwash our unit with clean soft water, therefore eliminating the need for a second mineral tank.
- 5 Patented directional flow screen**
- 6 Wi-Fi enabled touch screen controller and salt monitor**
Ensures the full capacity of the softener is utilised and that you never run out of salt.



Dimensions		Specifications	
		Max hardness removed	1470g
		Media 710 Ni	Ultrafine mesh resin 20.3 L Plus 700g Ultrafil
		Salt used per regeneration	Variable 0.5kg - 5.4kg max
		Regeneration time	Variable 18 - 41 min max
		Plumbing connections	1" BSP male
		Flow at 1 Bar ΔP	60 lpm
		Salt storage	40kg
		Salt type	Clean white PDV tablet salt
		Electrical requirements	220v AC 50Hz to 12v transformer
		Max water temp.	49°C
		Pressure range (min, max)	1.4 - 8.3 BAR
		Footprint	375mm x 477mm
		Height	654mm
		Height to centre of connections	580mm
		Shipping weight	39kg

Hague Maximizer 910 BEQ – whole house filtration and softening for larger homes

The Most Compact system ever to use Hague's unique Multi Compartmental Media tank! Built for larger homes with direct mains plumbing systems.



- Eliminates the need for shower filters and other Chlorine reduction filters around the home
- Particulate filtration – filters the whole home water down to 20 micron
- Chlorine removal – removal of free chlorine
- Carbon filtration – improves taste and odour plus extracts multiple contaminants including herbicide, pesticide, petroleum solvents, total chlorine
- Softening – using the Hague patented directional flow screens and vacuum packed high capacity ultra fine resin for maximum efficiency and the finest quality softened water.
- Anti bacterial media to inhibit any possibility of bacteria growth within the media bed keeping your system clean and working at peak efficiency
- No filters or cartridges to change - just add salt.



- **Saves hair colour:** chemicals like chlorine fade hair dye. Filtering your water makes your hair colour last longer
- **Stops bad smells:** filters get rid of the "bleach" smell of chlorine
- **Better breathing:** hot water turns chlorine into a gas. Inhaling this gas can bother your lungs. The 910 BEQ keeps the air in your bathroom fresh and easy to breathe.

Built-in, self cleaning filter saves time, money and labour on filter replacements



- **Less water**
- **Less salt**
- **Faster regeneration**
- **1" connections for more flow**
- **Wi-Fi enabled**
- **Low salt alarm**
- **High usage alarm**
- **Low temperature alarm**

Dimensions	Specifications
	Media 910 BEQ
	Compartment 1 900g Golden Chlorostat
	Compartment 2 7 Litres High Grade Coconut Shell Carbon
	Compartment 3 Ultrafine mesh resin 20 l plus 900g Bacteriostat
	Max hardness removed 1432g
	Maximum chlorine removal 3 mg/l
	Salt used per regeneration Variable 0.5kg – 5.4kg max
	Regeneration time Variable 18 – 41 min max
	Plumbing connections 1" BSP male
	Flow at 1 Bar ΔP 48 lpm
	Salt storage (max) 55kg
	Salt type Clean white PDV tablet salt
	Electrical requirements 220v AC 50Hz to 12v transformer
	Max water temp. 49°C
	Pressure range 1.4 – 8.3 Bar
	Footprint 375mm x 477mm
	Height 785mm
	Height to centre of connections 712mm
	Shipping weight 39kg

Hague Watermax Signature Series 3BEQ

The Ultimate system for large homes



Key features

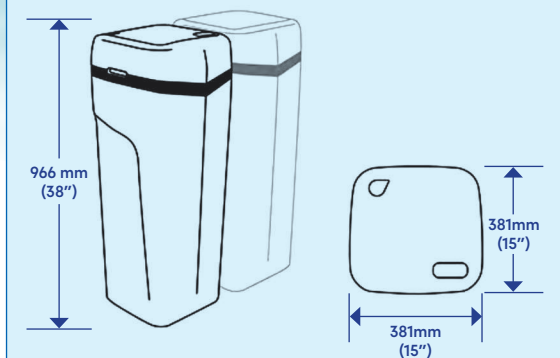
- Advanced smart touch controller
- Patented control valve
- Built-in bypass
- Unparalleled tank design
- Salt monitor
- Self-cleaning filter
- Safety shut-off
- 25 year limited warranty.

Patented control valve

- Unparalleled design
- Built-in bypass
- Corrosion resistant construction
- 1" valve
- Blending valve
- Test port
- Hydrosides on piston.



Dimensions



Specifications

Height	966mm (38")
Footprint	381mm x 381mm (15" x 15")
Overall space requirement	762 x 381 x 966 H

Watermax Signature Series 3 BEQ is just one of the many configurations available in the WaterMax range.

And in this configuration the system will be best suited to chlorinated mains fed water supplies.

For alternative applications please consult your local expert water treatment dealer for advice and specifications.

Built-in, self cleaning filter saves time, money and labour on filter replacements



Smart touch controller

- Wi-Fi enabled
- Full colour 3.25 touch screen
- Do not disturb mode
- Power loss protection
- Absolute brining
- Capacity guard
- Calculates hardness
- Low voltage requirements.



Each WaterMax® Signature Series has a smart touch controller which is **Wi-Fi enabled**, designed for smart connectivity, including remote email alerts.



Only the salt and water you need is used to refresh the resin bed with **Absolute Brining™**. This feature allows for maximum efficiency from your WaterMax® Signature Series.

Media guide: custom built just for you



Bacteriastat

All WaterMax configurations will include this media at the bottom of the tank to prevent any bacteria growth inside the tank. EPA establishment # 95435-OH-1. Not certified by WQA.



Fine mesh resin

Water softening media removes calcium and magnesium minerals fast with high capacities.



Chlorostat (KDF55)

Effectively reduces free chlorine, heavy metals, and micro-organisms. Excellent for municipal water supplies.



Nitrate select resin

A media that specifically targets nitrates that run off from nearby farms, golf courses, and other high fertilizer areas.



Tannin resin

Charged beads that collect organic materials that have mixed with your groundwater.



Ultra-fil

High density filter media made from garnet that collects sediment from your water.



Sulfurstat (KDF85)

Provide filtration to reduce dissolved iron, hydrogen sulfide gas and heavy metals found in well water.



PC carbon

Remove bad taste and odours with this high grade media made from coconut shells.



Birm

Puts an end to rust staining by efficiently reducing dissolved iron and manganese levels in your water.



Calcite/corosex

Finely crushed white marble neutralizes acidic water to prevent the aggressive erosion of your plumbing.



Greensand plus

Reduces dissolved iron, manganese and hydrogen sulfide gas commonly found in well water.



Comprehensive Limited Warranty:

10 years on tank and cabinet.

All mechanical parts including electronic controls are covered for 3 full years.



Your local Hague Dealer



haguewatersofteners.co.uk