



Purifies cool water just  
before you drink it.

Water Coolers with inbuilt  
Aquaguard UV Purification





Now enjoy cold drinking water that is 100% pure too!

With over seven decades of experience, Blue Star – India's leader in airconditioning and refrigeration solutions – has always been at the forefront of innovation and R&D, bringing you cutting edge products and solutions that offer you more.

Already leaders in the storage water cooler market, Blue Star now brings you storage water coolers with inbuilt Aquaguard UV purification and filtration processes that not only supply non-stop cold water but also ensure its purity for safe consumption. The technology and design are so well put together that they take care of last-point purification. This prevents contamination even post the filtration stage, and ensures safe drinking water at the faucet.

Impure drinking water is one of the main sources of infection, even mild poisoning, in many cases. Hence, it is important to build in purification processes into the water system. That is why these Water Coolers incorporate everything that is required – reliable cooling systems, UV purification and contaminant filtration – all within the same housing, integrating the systems together for seamless, efficient operation. They are therefore comprehensive and compact solutions for safe, clean and cold drinking water.

The Blue Star range of storage water coolers with inbuilt Aquaguard is also designed for faster cooling and with larger storage tanks, to cater to high-volume requirements in schools, colleges, corporates, factories, hospitals, and public spaces such as railway stations, airports, pilgrim centres and petrol stations.

## Proven filtration techniques for the purest water



### **Aquaguard UV purification**

UV filters, using robust and reliable Aquaguard technology, ensure contamination-free, safe drinking water.



### **Multiple stages of filtration**

Besides the UV stage, various other filters ensure clean, odourless, tasty drinking water.



### **Last-point purification**

Innovative design, using proven last-point UV technology, ensures that filtered water is not exposed to further contamination before delivery at the faucet.



### **Electronic eye**

Monitors purification process and stops water flow if the purification is inadequate.



## Proven cooling technology from Blue Star



### Faster cooling

Efficient design, including rectangular tank and forced fin and tube condenser, maximises heat transfer and ensures faster cooling.



### Lower power consumption

Consumes less power as compared to equivalent models due to its smart design.



### High throughput

Large tank and overall system designed for high consumption volumes.



### Longer life

Non-corrosive SS outer body ensures longer life, brighter looks and smoother finish, while rugged plastic legs reduce corrosion of base.



### Contamination-free storage

Food-grade SS-304 stainless steel inner tank keeps the stored water contamination-free.



### Space saving

Compact design saves precious real estate.



### Reliability

Reciprocating compressor can operate under tough ambient conditions for long hours. And in case of failure, can be repaired in many cases, thus lowering maintenance costs.



### Ease of service

Thoughtfully designed so that all important components are individually and separately accessible for easy service and maintenance.



## Blue Star Water Coolers with inbuilt Aquaguard UV Purification



Ultraviolet (UV) rays are proven to be effective in killing harmful bacteria and microbes, and neutralising dangerous chemicals that may be present in drinking water. At the same time, the treated water retains all its minerals and salts.

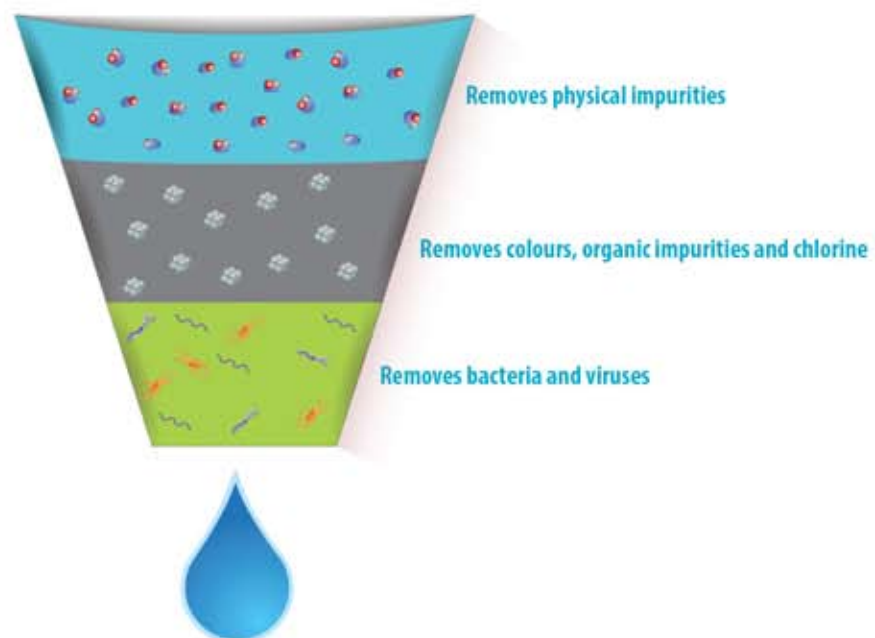
That is why Blue Star's Water Coolers with Aquaguard UV filtration use ultraviolet radiation as a pre-treatment to sterilise and disinfect the water before it is available at the tap.

These coolers also come with a further two-step filtering process that removes physical impurities, colour, organic impurities and chlorine from the water before it is dispensed at the faucet.

A unique feature of these coolers is the last-point purification using UV technology that ensures that water dispensed remains pure and uncontaminated even during the post-filtration flow.

## Unique 3-stage purification process

- 1 Unique polypropylene yarn candle to remove physical impurities from input water.
- 2 Activated carbon cartridge for removing colour, organic impurities and chlorine.
- 3 UV disinfection chamber to disinfect waterborne disease-causing bacteria and viruses.



### Electronic Eye

Monitors the purification process and stops the flow of water using a solenoid valve, if purification is inadequate.

- Designed to take care of higher capacity requirement & storage
- This makes water lighter, taste natural and 100% safe to drink
- Has unique 3-stage Purification which ensures that the user drinks safe and pure water
- It is backed by Aquaguard, so its rest assured that the water is 100% safe
- The cooling system is very powerful and effectively faster

## Technical Specifications

### SWC with inbuilt UV Purifier

MODEL		SWCSDLX680UVA	SWCNST680UVA	SWCNST8120UVA
Performance Parameters	Storage capacity (up to float valve level)	80 Ltr	80 Ltr	120 Ltr
	Capacity with comfort level Water outlet temp at 17°C ± 1°C at rated condition	60 LPH	60 LPH	80 LPH
	Running current In amps (max) at rated condition	3.2 ± 10%	3.2 ± 10%	4 ± 10%
	Power in watts (max) at rated condition	625 ± 10%	625 ± 10%	825 ± 10%
	Operating power supply	230 ± 10% V AC, 50 Hz, 1 PH	230 ± 10% V AC, 50 Hz, 1 PH	230 ± 10% V AC, 50 Hz, 1 PH
	Thermal insulation for storage tank	PUF	PUF	PUF
	No. of faucets	2	2	3
	No. of cold water faucets	1	1	2
	No. of normal water faucets	1	1	1
Recommended maximum water flow rate through the faucets in LPM	1.5	1.5	1.5	
Filtration Stages	No. of stages	3	3	3
	1 <sup>st</sup> stage of purification	Sediment filtration	Sediment filtration	Sediment filtration
	2 <sup>nd</sup> stage of purification	Carbon filtration	Carbon filtration	Carbon filtration
	3 <sup>rd</sup> stage of purification	UV filtration	UV filtration	UV filtration
UV System	No. of purifier circuit	2	2	3
	Visual controls (LEDs)	Yes	Yes	Yes
	Cooling on / off switch	Yes	Yes	Yes
	Operating temperature	15°C to 45°C	15°C to 45°C	15°C to 45°C
	UV system & water cooler Operating voltage	180 - 250 V	180 - 250 V	180 - 250 V
	Minimum water input Pressure in Kg/Cm <sup>2</sup>	0.4	0.4	0.4
Maximum water input Pressure in Kg/Cm <sup>2</sup>	2.0	2.0	2.0	
Body	Storage tank material	SS 304	SS 304	SS 304
	Front panel material	SS 304	SS 304	SS 304
	Side & back panel material	SS 304	Pre-coated sheet	Pre-coated sheet
Dimensions & Net Weight	Dimension (W x D x H) mm	660 x 480 x 1355	660 x 480 x 1355	752 x 572 x 1400
	Net weight ( Kg )	65	65	85
Refrigerant	Refrigerant	R22	R22	R22



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