



Purifies cool water just before you drink.

Water Coolers with in-built UV Purification





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

With over seven decades of experience, Blue Star – India's leader in air conditioning 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 in-built 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 causes of infection, even mild poisoning, in many cases. Hence, it is important to have in-built purification processes in the water cooler. That is why Blue Star 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 in-built UV purification 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 fuel stations.

## Proven filtration techniques for the purest water



### UV purification

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



### Multiple stages of filtration

Besides the UV stage, various other filters ensure clean, odourless, tasty and cool 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 the rectangular tank, 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 the 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, it can be repaired in most 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 in-built UV Purification.**



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

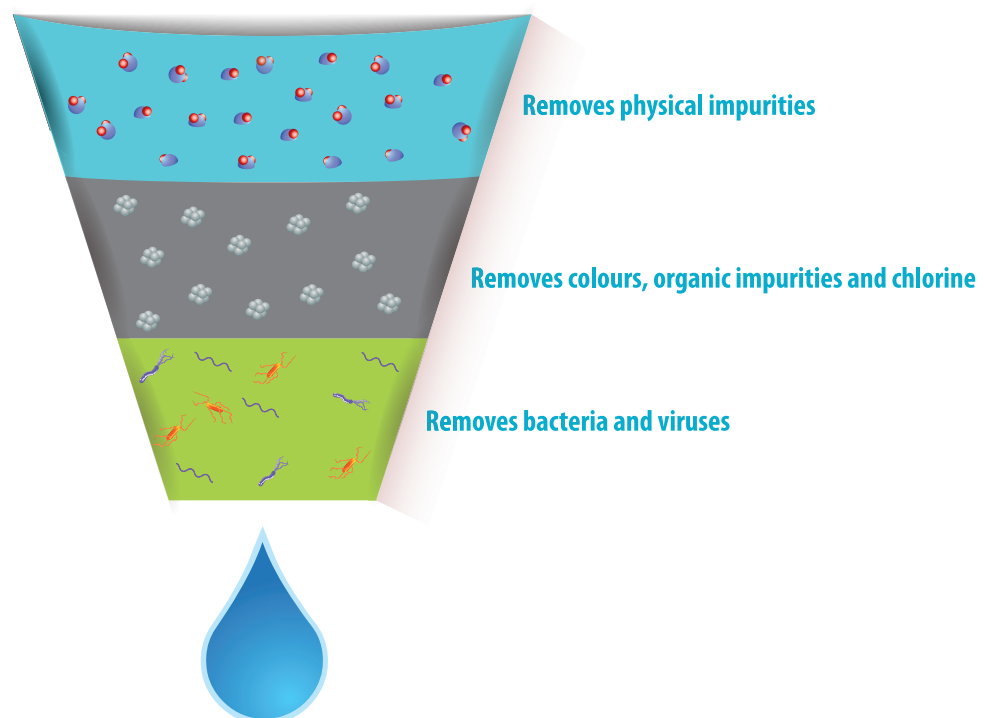
This is why our water coolers use ultraviolet radiation as a pre-treatment to sterilise and disinfect the water before it is available at the faucet.

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.

A unique feature of these coolers is the last-point purification that uses UV technology to ensure that the 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.

- The cooling system is very powerful and effectively faster.
- Has unique 3-stage purification which ensures that the user drinks safe and pure water.
- The flow of water stops if purification is inadequate, thus assuring that the water is 100% safe.

## Technical Specifications

### Storage Water Coolers with in-built UV Purification

Model		SWCSDLX6080UVE	SWCNST80120UVE
Performance Parameters	Storage capacity (up to float valve level)	80 Ltr.	120 Ltr.
	Capacity with comfort level Water outlet temp at 17°C ± 1°C at rated condition	60 LPH	80 LPH
	Running current In amps (max) at rated condition	3.2 ± 10%	4 ± 10%
	Power in watts (max) at rated condition	625 ± 10%	825 ± 10%
	Operating power supply	230 ± 10% V AC, 50 Hz, 1 PH	
	Thermal insulation for storage tank	PUF	
	No. of faucets	2	3
	No. of cold water faucets	1	2
	No. of normal water faucets	1	
	Recommended maximum water flow rate through the faucets in LPM	1.5	
Filtration Stages	No. of stages	3	
	1 <sup>st</sup> stage of purification	Sediment filtration	
	2 <sup>nd</sup> stage of purification	Carbon filtration	
	3 <sup>rd</sup> stage of purification	UV filtration	
UV System	No. of purifier circuit	2	3
	Visual Controls (LEDs)	Yes	
	Cooling on / off switch	Yes	
	Operating temperature	15°C to 45°C	
	UV system & water cooler Operating voltage	180 - 250 V	
	Minimum water input Pressure in kg/Cm <sup>2</sup>	0.4	
	Maximum water input Pressure in kg/Cm <sup>2</sup>	2.0	
Body	Storage tank material	SS 304	
	Front panel material	SS 304	
	Side & back panel material	SS 304	Pre-coated sheet
Dimensions & Net Weight	Dimensions (W x D x H) mm	660 x 480 x 1355	752 x 572 x 1400
	Net weight ( kg )	65	85
Refrigerant	Refrigerant	R134a	



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A **TATA** Product

**VOLTAS**

# Presenting the new range of Voltas Water Coolers.



20/20, 20/40, 40/40, 40/80, 60/120, 150/150.  
Available in both Full Stainless Steel and Partial Stainless Steel.

## Key Features of Voltas Water Coolers

- IN-SITU PUF insulation: A unique In-situ PUF insulation ensures that water remains cool for a longer period in case of power failure and hence saves power.
- ECO friendly refrigerant: CFC-Free refrigerant ensures that there's no damage to the environment.
- High efficiency heat transfer coil: High quality copper tubes with Rippled Aluminium Fins for its air-cooled condenser ensures highest heat transfer efficiency.
- Speedy drainage: The extra large stainless steel water tray prevents splashing and ensures faster drainage of water.
- Stainless steel tank, trough and faucets: For safe drinking water, year after year.
- Adjustable parts for easy leveling: So that they stand steady on uneven surfaces.
- Faster cooling: High Energy Efficient Compressor speeds up the cooling process so that you get cold water faster. It also ensures less power consumption.
- Partial Stainless Steel (PSS): Pre-coated outer body for better corrosion resistance.
- Compact space saving design: This allows them to fit even in cramped spaces.
- Food grade plastic parts: Plastic parts that come in contact with water are of food grade quality, ensuring hygiene.

### Technical Specifications of Voltas Water Coolers

Model	20/20	20/40	40/40	40/80	60/120	150/150
Type	Storage	Storage	Storage	Storage	Storage	Storage
Dimensions (mm)						
a) Width	364	461	461	461	564	564
b) Depth	505	582	582	582	705	705
c) Height	1117	1217	1217	1441	1397	1521
Weight (without water) (kg)	28.5	35	37	43	67	78
Maximum current (amps)	1.6	1.6	2.3	2.3	3.1	6.8
Cooling capacity (ltrs/hr)*	20	20	40	40	60	150
Storage capacity (ltrs)	20	40	40	80	120	150
No. of cold water taps	1	1	1	2	2	2
Refrigerant	R-134a	R-134a	R-134a	R-134a	R-134a	R-134a/R-22
Compressor	Hermetic type with suction gas cooled motor, equipped with overload protector.					
Condenser fan	Propeller type (Quiet)					
Thermostat	Automatically controls temperature.					
Power supply	230 Volts $\pm$ 10%, 50 Hz, single phase.					
Water supply	3m to 12m head. Use pressure reducing valve, if the water head is higher than 12m.					
Power connection	5 amps 3-pin plug with proper earth connection for models 20/20, 20/40, 40/40 and 40/80.					
	15 amps for other models					
Water connection						
a) Inlet	12.7 mm BSP connection					
b) Drain	25.4 and 12.7 mm BSP connection					

At rated condition as per BIS 1475(Part 1): 2001

As a continuing policy of product innovation at VOLTAS, the above mentioned design and specifications are subject to change without prior notice.

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Voltas Ltd. adheres to the E-Waste (Management & Handling) Rules 2011 notified by the Ministry of Environment and Forests, Government of India. For more information on Voltas E-Waste and exchange policy please contact 1800-419-3283.