



Pure, cool goodness in every drop.



Water Coolers with in-built
RO + 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 RO+UV purification and filtration processes that not only supply non-stop cold water but also ensure its purity for safe consumption.

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, RO+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 RO+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



RO+UV purification

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



7 stages of filtration

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



Fully Automatic

Starts and stops when the tank is half empty or full.



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, 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.



Cold water even through power cuts

In-situ PUF insulation not only reduces power consumption but ensures that the water remains cool even through long power failures.



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 RO + UV Purification

Blue Star Water Coolers with in-built RO+UV purification use robust technology to bring you chilled drinking water that is safe to drink.

Reverse Osmosis (RO) uses a semi-permeable membrane to filter out impurities from the water, making it safe to drink.

Besides the RO filter, this range of unique Water Coolers offers a further range of 6 more filters that make the water safe to drink, both chemically and microbiologically. The filtration process lowers the hardness level of the water as well as the levels of Totally Dissolved Salts. It also reduces the levels of arsenic, lead and mercury, which are dangerous heavy metal contaminants in many water sources. Pathogenic micro-organisms are also eliminated by the filtration process.

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.

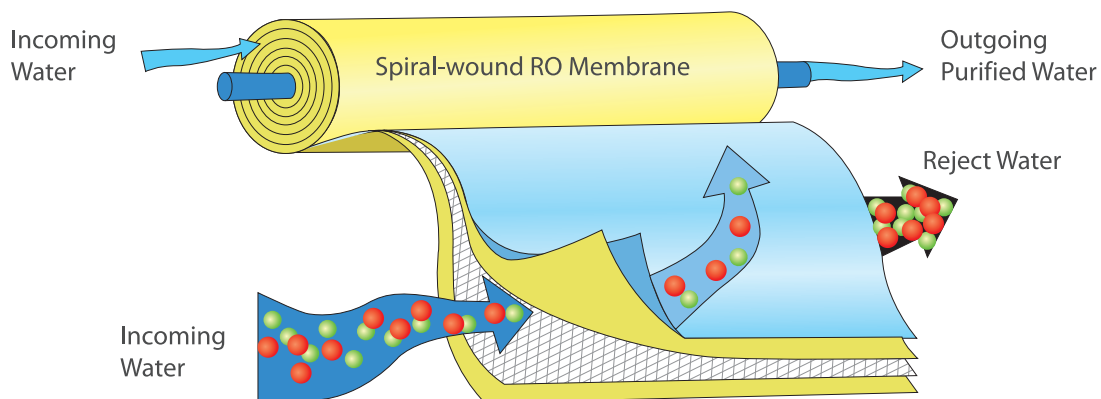
A unique feature of these coolers is the last-point purification using UV technology that ensures that water dispensed remains pure and uncontaminated even during the post-filtration flow.

All of this ensures that the water you drink is totally pure, tasty, clean and safe.



Unique 7-stage purification process

- 1** Unique polypropylene yarn candle to remove physical impurities from input water.
- 2** Specially treated pre-carbon block for absorbing colour, organic impurities and chlorine.
- 3** Anti-scalant filters to prevent deposits over the RO membrane.
- 4** The sediment filter traps all the fine sediments present in the input water.
- 5** RO membrane filter (porosity of .0001 micron) strains micro-organisms and TDS from the input water.
- 6** Post-carbon filter to enhance the taste of purified water.
- 7** UV disinfection chamber to disinfect the water.



Storage Water Coolers with in-built RO + UV Purifier

| Model | SWCSDLX6080UVROE | |
|-------------------------|---|---|
| Performance Parameters | Storage capacity (up to float valve level) | 80 Ltr. |
| | Capacity with comfort level Water outlet temp at 17°C ± 1°C at rated condition | 60 LPH |
| | Running current in amps (max) at rated condition | 4.5 ± 10% |
| | Power in watts (max) at rated condition | 700 ± 10% |
| | Operating power supply | 230 ± 10% V AC, 50 Hz, 1 PH |
| | Thermal insulation for storage tank | PUF |
| | No. of faucets | 2 |
| | No. of cold water faucets | 2 |
| | No. of normal water faucets | NA |
| | Recommended maximum water flow rate through the faucets in LPM | 50 LPH |
| Filtration stages | No. of stages for filter cum purifier | 7 |
| | 1 st stage of purification | Sediment purification |
| | 2 nd stage of purification | Carbon block purification |
| | 3 rd stage of purification | Anti-scalant purification |
| | 4 th stage of purification | Sediment purification |
| | 5 th stage of purification | Reverse Osmosis membrane purification (2 per circuit) |
| | 6 th stage of purification | Post-carbon block filtration |
| RO system | 7 th stage of purification | UV purification |
| | RO membrane rating | 4 x 75 GPD or equivalent |
| | % of purified water recovery | 25%, 50 LPH |
| | % rejection of tds | 75% |
| | Operating temperature | 15° C to 45° C |
| | RO membrane flushing | Auto-flush at every start, every stop and every one hour for 1 minute |
| Body | RO system & water cooler operating voltage | 180 - 250 V |
| | Storage tank material | SS 304 |
| | Outer body material | SS 304 |
| | Type of product construction | Concealed |
| Dimensions & Net Weight | Type of installation | Indoor |
| | Dimensions (W x D x H) mm | 660 x 480 x 1355 |
| Refrigerant | Net weight (Kg) | 73 |
| | 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.