



Pure, cool goodness in every drop.



Water Coolers with inbuilt
Aquaguard RO 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 RO 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 inbuilt purification processes in the water cooler. That is why Blue Star Water Coolers incorporate everything that is required – reliable cooling systems, RO 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

RO

Aquaguard RO purification

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



7 stages of filtration

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

A

Fully Automatic

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



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.



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, 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 RO Purification

Blue Star's Water Coolers with RO filtration use robust Aquaguard RO 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.

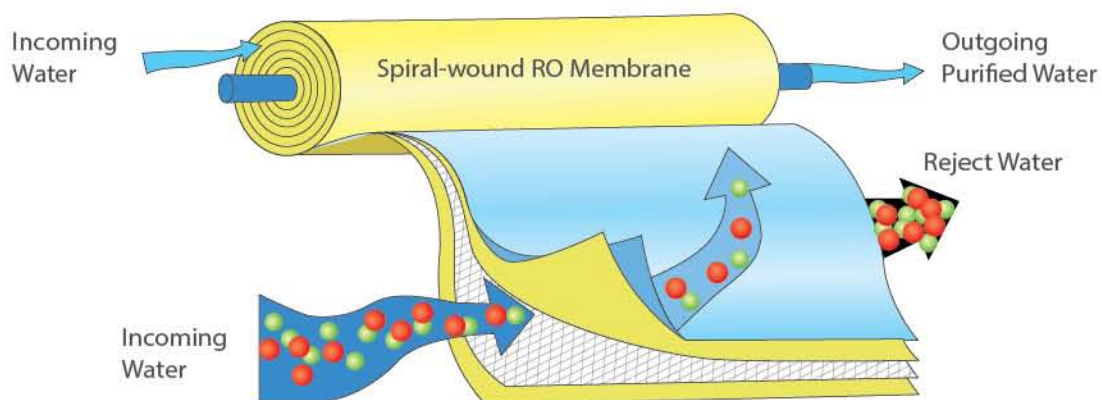
Besides the RO filter, this range of unique Water Coolers offers a further range of 6 more filters that make the water safe to drink, both chemically and microbiologically. The filtration process lowers the hardness level of the water as well as the levels of Totally Dissolved Salts. It also reduces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

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** Nano-silver leaching effectively prevents microbial contamination in the storage tank.



SWC with inbuilt RO Purifier

| Model | SWCSDLX680ROA | |
|-------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------|
| Performance Parameters | Storage capacity (up to float valve level) | 80 Ltr |
| | Capacity with comfort level | 60 LPH |
| | Water outlet temp at 17°C ± 1°C at rated condition | |
| | 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 LPH | 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 |
| | 7 th stage of purification | Nano-silver leaching filtration |
| RO system | 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 |
| | RO system & water cooler operating voltage | 180 - 250 V |
| Body | Storage tank material | SS 304 |
| | Outer body material | SS 304 |
| | Type of product construction | Concealed |
| | Type of installation | Indoor |
| Dimensions & Net Weight | Dimension (W x D x H) mm | 660 x 480 x 1355 |
| | Net weight (Kg) | 73 |
| Refrigerant | Refrigerant | R22 |



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