



02-333351688  
01728-262625



info@aquafitbd.com  
www.aquafitbd.com



**Dhaka Office:** House 31, Road 06A,  
Sector 12, Uttara, Dhaka



**CTG Office:** 274 Elahi Complex  
(1st Floor) Jubilee Road, Chattogram.

### Product quotation

## Lan Shan LSRO 301 AE Water Purifier



**Price : 18000.00 /-20500.00**

01	Brand	Lan Shan
02	Model	LSRO-301-AE
03	Filter type	Compact
04	Origin	Taiwan
05	Purification technology	Reverse Osmosis
07	Salt rejection	98%
08	TDS controller	Present
09	Membrane origin	USA
10	Capacity	100 gallon/day
11	Filtration stage	5
12	Technology	Reverse osmosis, mineral
13	Storage tank	4 gallon
14	Flushing system	Auto
15	Harmful particles drain Rate	99.98%
16	Ejection rate	50-60%
17	Operation	Fully auto
18	Voltage	220v
19	Auto flashing	Included
20	Raw water max TDS	<1200mg/l
21	Raw water max IRON	<8mg/l
22	Raw water Min. pH	6.50
23	Treated water TDS	<200mg/l

24	Treated water pH	6.5-7.9
25	1 <sup>st</sup> Stage	Polypropylene(PP)
24	2 <sup>nd</sup> & 3 <sup>rd</sup> stages	Activated net carbon
26	4 <sup>th</sup> stage	Odor taste reduction filter
27	5 <sup>th</sup> stage	Reverse osmosis
28	Free service warranty	03 years (terms & policy applicable )

### Product Description of Lan Shan LSRO 301 AE Water Purifier:

The Lan Shan LSRO 301 AE Water Purifier is an efficient and durable reverse osmosis (RO) system designed to provide clean, safe, and great-tasting water for households and offices. This purifier's advanced 5-stage filtration process ensures the removal of harmful contaminants like bacteria, viruses, heavy metals, and other dissolved impurities, offering superior water quality. Its high purification capacity, combined with a sleek, space-saving design, makes it ideal for modern homes. The Lan Shan LSRO 301 AE guarantees a reliable supply of purified water, enhancing the health and well-being of your family.

### Benefits of Lan Shan LSRO 301 AE Water Purifier:

When it comes to choosing a domestic water purifier, understanding the specific benefits of each filtration stage can help you make an informed decision. This water purifier is equipped with a comprehensive eight-stage filtration system designed to ensure that every drop of water you drink is clean, safe, and delicious.

#### The benefits of each stage:

##### 1. Polypropylene (PP) Filter: Protection Against Sediments

The first stage of this water purifier features a Polypropylene (PP) filter. This filter plays a crucial role in protecting the more sensitive components of the purification system, especially the RO membrane. By effectively removing larger sediments such as sand, dirt, and rust particles, the PP filter prevents clogging and damage to subsequent filters. This ensures that the RO membrane and other filters perform efficiently and have a longer lifespan.

##### 2. CTO Filter: Reducing Odor, Taste, and Chlorine

The second stage employs a Carbon Block (CTO) filter, which is essential for improving the taste and odor of your water. This filter effectively reduces chlorine, which is commonly used in municipal water treatment but can leave an unpleasant taste and smell. By removing chlorine and other chemicals, the CTO filter enhances the overall flavor and quality of your water, making it more enjoyable to drink.

### **3. Granular Activated Carbon (GAC) Filter: Enhanced Contaminant Removal**

The third stage features a Granular Activated Carbon (GAC) filter. GAC filters are highly effective at removing organic compounds, pesticides, and other contaminants that can affect the taste and safety of your water. The granular form of this filter provides a large surface area for adsorption, ensuring that a wide range of impurities are removed, contributing to cleaner and healthier water.

### **4. Reverse Osmosis (RO) Membrane: Comprehensive Purification**

The fourth stage incorporates the Reverse Osmosis (RO) membrane, which is the heart of the purification process. The RO membrane utilizes a semi-permeable membrane to remove dissolved solids, heavy metals, and microscopic contaminants from the water. This stage is crucial for ensuring that your water is free from harmful substances such as lead, arsenic, and nitrates. The RO membrane provides a high level of purification, making it one of the most effective filtration methods available.

### **5. Mineral Filter: Adding Essential Minerals**

Following the RO membrane, the fifth stage features a Mineral filter. This filter is designed to reintroduce essential minerals like calcium and magnesium back into the water. These minerals are important for maintaining the natural taste of the water and providing health benefits. By adding minerals, the filter ensures that your water not only tastes better but also supports overall well-being.

## **Conclusion:**

Each stage of this water purifier filtration system plays a vital role in delivering high-quality drinking water. From sediment protection and odor removal to comprehensive purification and mineral enrichment, this advanced purifier is designed to meet your needs for clean, safe, and

refreshing water. With its multi-stage process, This water purifier offers one of the most effective solutions for domestic water purification available today.

## Yearly Maintenance Report for this Water Purifier

Maintaining this water purifier is essential to ensure its optimal performance and longevity. The yearly maintenance cost for this purifier varies depending on several factors, including the quality of the raw water, daily consumption, and adherence to recommended filter servicing.

Maintenance Components and Frequency:

- 1.PP Filter:** Replaced annually. Ensures removal of sediments and protects other filters.
- 2.CTO Cartridges:** Two cartridges needed annually to reduce chlorine, odors, and improve taste.
- 3.GAC Filters:** Two cartridges required annually to eliminate organic compounds and contaminants.
- 4.Mineral Filter:** Two filters necessary each year to reintroduce essential minerals.
- 5.Alkaline Filter:** Two filters to balance pH levels and enhance water quality.
- 6.RO Membrane:** One membrane needed every two years to ensure effective purification.
- 7.UV Lamp:** Replaced after 9000 hours of operation to maintain microbial safety.

## Cost Estimate:

Based on the above requirements, the estimated yearly maintenance cost for this water purifier ranges from BDT 2500.00 to BDT 5000.00. This cost is notably lower compared to other reputed purifier brands, providing an economical solution without compromising on quality.

Regular maintenance and timely replacement of filters are crucial for maintaining the efficiency and performance of the purifier. Adhering to the maintenance schedule ensures that this water purifier continues to deliver clean, safe, and high-quality drinking water throughout the year.

By investing in the maintenance of your water purifier, you ensure that it remains a reliable and effective tool for providing pure water to your household.

### Demerits of RO Purifiers:

While Reverse Osmosis (RO) purifiers are renowned for their effective water purification capabilities, they do come with certain drawbacks that are important to consider.

- 1. Water Wastage:** RO systems typically waste more water than they produce. For every liter of purified water, several liters of water may be discarded, leading to concerns about water efficiency.
- 2. Mineral Removal:** RO purifiers not only remove contaminants but also essential minerals like calcium and magnesium, which can affect the taste and nutritional value of the water.
- 3. Maintenance Costs:** Regular maintenance is required to keep an RO system functioning optimally. Replacing filters and membranes can be costly, and failure to maintain the system can lead to reduced efficiency and higher long-term costs.
- 4. Slow Filtration:** RO systems generally have a slower filtration rate compared to other purifiers. This can be inconvenient for households with high water demands.
- 5. Complexity and Space:** RO systems are often complex and require significant space for installation, which might not be suitable for all households.

Understanding these demerits can help you make a more informed decision about whether an RO purifier is the right choice for your water purification needs.

## Why Choose Aquafit Technologies for Your Domestic Water Purifier Needs:

When it comes to selecting a domestic water purifier, Aquafit Technologies stands out as a top choice for several compelling reasons. Here's why our clients prefer us over others:

- 1. Economical Pricing:** We offer high-quality water purifiers at competitive prices, ensuring that you get the best value for your money without compromising on quality.
- 2. Rapid Service:** Our dedicated team provides quick and efficient service, addressing any issues or queries promptly to ensure your purifier remains in optimal condition.
- 3. Three Years of Free Servicing:** Enjoy peace of mind with our three-year free servicing offer, which covers regular maintenance and repairs, reducing long-term costs.
- 4. EMI Opportunities:** To make our products more accessible, we offer EMI options, allowing you to spread the cost of your purchase over manageable monthly payments.
- 5. Extensive Service Network:** With over fifty service centers across Bangladesh, we ensure that help is always close by, no matter where you are.
- 6. Affordable Filter Parts:** We provide filter parts at the lowest prices, making it economical to maintain your purifier and keep it running efficiently.
- 7. 24/7 Service Centers:** Our service centers operate around the clock, offering support whenever you need it, including evenings and weekends.
- 8. 100% Return Policy:** We stand by the quality of our products with a 100% return policy on any default items, ensuring complete customer satisfaction.
- 9. Client Satisfaction First:** At Aquafit Technologies, we prioritize client satisfaction above all else, striving to exceed your expectations with every interaction.
- 10. Flexible Payment Options:** We accept payments through more than 20 bank cards and mobile banking services, making transactions convenient and hassle-free.

Choosing Aquafit Technologies means opting for quality, reliability, and exceptional customer service. Experience the difference with our top-rated domestic water purifiers and join the many satisfied clients who trust us for their water purification needs.