



MORF INDIA LIMITED

An ISO Certified and CRISIL Rated Company



MORF Essencia™ UV PURIFIER

Truly Essential For Your Family's Health

With
StreamGuide
Technology



MORF has been a **Comprehensive Solutions Provider** in water purification industry since **1998**. With a wide gamut of more than 100 types of formula-driven purification products to address the toughest challenges posed by today's water contaminations, we meet almost all the diverse water treatment and purification requirements of our customers in residential, institutional and industrial segments.

MORF Essencia™ is the latest cutting-edge residential UV purifier from our stable to purify municipal / corporation water and ground water with a TDS of less than **500 ppm**. With high quality stainless steel purification chambers, **MORF Essencia™** follows stringent global standards to ensure complete purity, safety and durability. **MORF Essencia™ is your best bet to safeguard your family's health.**

Reach us now to discover a whole new world of authentic purification possibilities.

www.morfindia.com



Salient features of MORF Essencia™

- Appealing aesthetics
- Stainless Steel (SS 316) Purification Chamber
- Unique StreamGuide Technology
- Advanced 3-stage combo system (Filtration + Purification)
- Electronic Monitoring Device (EMD) for maximum protection
- Safe food grade plastics
- Conforms to BIS (ISI) safety standards

Advanced StreamGuide Technology

This technology is used to simulate the entire UV disinfection process using software programs. This ensures that the system flow mode is optimized and the correct UV dose is administered resulting in proper and maximum disinfection of water.

Technical Specifications

Product Dimensions	367mm(H) x 144mm (D) x 350mm (W)
Product Weight	4.3 kgs
Type	On-line wall mounted
Disinfection Efficiency	99.6%
Operating Voltage	230 Volt ± 10% AC / 50 Hz
System wattage	25 watts ± 10%
No of UV lamps	1
UV Lamp wattage	8 watts
UV Lamp Wavelength	2537 Angstrom units
Life of the UV lamp	6000 working hours
Transmitting Medium	Quartz Glass
Flow Rate	2 litres (max) per minute (120 LPH)**
Min. Water Pressure	0.3 Kg/cm ²
Max. Water Pressure	2.8 (max) Kg/Cm ²
Input water temperature	Ambient
Inlet water	Municipal / Corporation water / Ground water with TDS of <500ppm
Fuse	750 mA Fast Blow
Output flow control	Switch operated solenoid valve

** Flow rate may vary depending upon the inflow pressure and condition of the filters.
All figures are nominal values

Note: If the inlet water pressure is lower than the minimum requirement, a booster pump is recommended. If the inlet water pressure is higher than the maximum specified, a pressure reducing valve is recommended. Both can be procured from the open market.

MORF Essencia™ works in 3-stages****

1st Stage

Filtration Chamber - Filters physical impurities effectively through a multi-layered polypropylene wound sediment cartridge with a porosity of 5-8 microns (nominal).

2nd Stage

Clarity Chamber - Hi-grade silver impregnated activated carbon granules eliminate free chlorine*, volatile organic compounds, bad colour, odour and also improves the taste of water.

3rd Stage

Power Chamber - This stage consists of a UV lamp enclosed in a quartz sleeve inside a stainless steel (SS 316) chamber. Using StreamGuide technology, water is optimally exposed to ultraviolet rays which destroys all harmful water-borne bacteria, viruses, parasites, cyst and amoeba which cause dangerous disease like Hepatitis A (Jaundice), Typhoid, Gastroenteritis, Dysentery and Cholera.

**** Free chlorine produces carcinogenic by-products that can cause cancer

**** If the feed water is turbid, additional filtration / treatment will have to be planned

The US Public Health Service stipulates that UV disinfection equipment should have a minimum UV dosage of 16000+ uW sec/cm². MORF Essencia is designed to impart a dosage of 30,000+ uW sec/cm² based on 0.10 absorption co-efficient of water. MORF Essencia is designed to deliver physically and microbiologically pure water. The chemical contamination (excess TDS / Heavy Metals) in the water will not be treated by this product.

The MORF Advantage

- ✓ ISO Certified and CRISIL rated public limited company
- ✓ Vertically integrated organization
- ✓ In-depth knowledge and expertise in water treatment and purification
- ✓ Wide range of hi-quality products for residential, institutional and industrial segments
- ✓ Winner of UNESCO and PENTAIR water awards
- ✓ Over 1,50,000 users across South India
- ✓ Performance certificates from reliable and reputed laboratories
- ✓ Value added services: ECRM / Holiday Service / Comprehensive Guarantee
- ✓ Multiple Payment Options (Cheque / Credit Card / Installments)

- Our products are sold and serviced within 75 kms around our company branches and authorized service centres.
- Due to continuous improvements in the products, technical specifications are subject to change without prior notice.

Corporate & Registered Office: 3/3, Sarojini Street, Mahalingapuram, Chennai - 600 034. Tamil Nadu, India.

Ph: +91-44-4545 6666 (20 Lines) Fax: +91-44-4212 3036

Branch Offices: **Bengaluru:** Sri Azhagar Nivas, Ground Floor, 46/1459, South End A Cross, 9th Block, East End Circle (Near IOB), Jayanagar, Bengaluru - 560 069. Karnataka, India. Ph: +91-80-4155 9696 / 2658 8174 Fax: +91-80-4120 9715

Hyderabad: Flat No. 114, 1st Floor, Left Wing, Amrutha Ville Apartments, Rajbhavan Road, Somajiguda, Hyderabad - 500 082. Andhra Pradesh, India. Ph: +91-40-4261 5510 / 4005 5010 Fax: +91-40-4018 2413

Enquiry Helplines: Chennai: 99412 66666
Email: info@morfindia.com

Bengaluru: 99803 55601
br.bangalore@morfindia.com

Hyderabad: 96525 30007
br.hyderabad@morfindia.com

www.morfindia.com