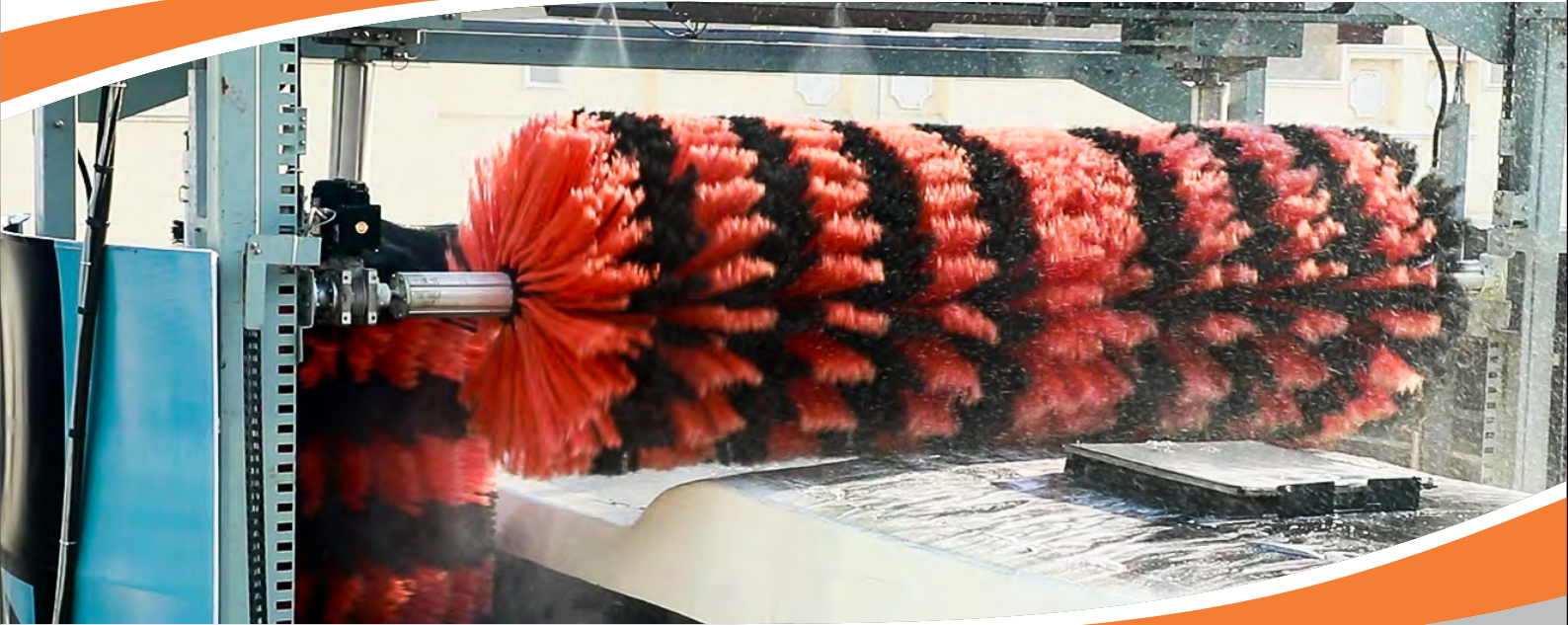


Automatic Bus Washer

Redefining Bus Wash Application



Smart wash
Jumbo

Your Bus Loves it...



EVOLUTION OF WASHING EQUIPMENTS



Single plunger washer



Four wheeler washing hoist



Triple plunger washer



Two wheeler washing hoist



Automatic Car Washer



STORM - Touchless car washer



Automatic Bus Washer



COMPLETE SOLUTION FOR ALL BUSES & COMMERCIAL VEHICLES*



PRODUCT HIGHLIGHTS



Side-View Mirrors



Roof Carriers



Washing AC Filters

** Please read maximum washable dimension in technicam specifications column*

1. Automatic Vehicle Length Sensing
2. Unique Program to handle front extended side-view mirrors
3. Compatible to wash roof carriers
4. Easy washing of roof AC filters
5. Anti-tilting lock to prevent fall-out of gantry from rails
6. Precise & optimized pressure sensing using Electronic Transducer for horizontal and vertical brushes.
7. Inclusion of Residual Current Circuit Breaker (RCCB) to sense current leakage as standard scope of supply

SMART FEATURES

Wash System with soft brushes

Motorized vertical brushes and Horizontal Polyethylene brushes give greater flexibility and enhances wash quality.



Shampoo

- Strategically placed shampoo nozzles for uniform coverage.
- Precisely controlled Dosing pump for shampoo dosage.



Splash Guard

Electrical control panel Enclosure

(Stainless Steel SS304
IP55 Ingress protection)

Water and Air circuit Enclosure

(Stainless Steel SS304
IP55 Ingress protection)

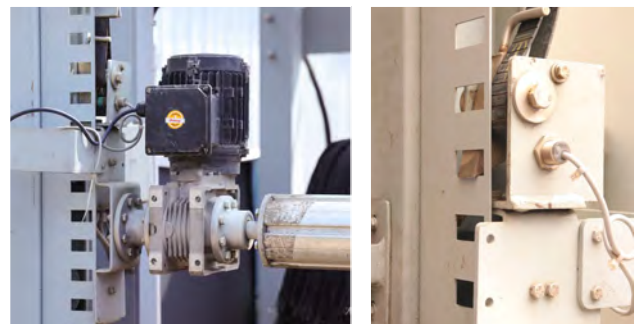
Structure & Design

- Robust and Rugged Design
- Hot dip galvanized coating to prevent corrosion

SMART WORKING

Horizontal brush lifting mechanism

- Safety lock to avoid brush fall in case of belt breakage
- Sensor to detect belt loosening and belt breakage



Vertical brush movement

- Power electronic control
- Motorized movement through toothed belt
- Overlapping Vertical Brushes

AUTOMATIC BUS WASHER - VARIANTS



3-Brush System



2-Brush System

3-Brush System

- Roll-over Bus Washer
- Overlapping Vertical Brushes
- Contour following Horizontal Brush
- PVDF Nozzles for long standing life
- Under-Chassis Washer (Optional)



2-Brush System

- Roll-over Bus Washer
- Overlapping Vertical Brushes
- High pressure oscillating top nozzles fixed/contour following (Optional)
- PVDF Nozzles for long standing life
- Under-Chassis Washer (Optional)



TECHNICAL SPECIFICATIONS *

| Parameter | Unit | Model 1 | Model 2 | Model 3 | Model 4 |
|---|------|---|--|--|---|
| Model | - | 3 Brush | 2 Brush with Motorized Vertical Brushes | 2 Brush with Pivot Vertical Brushes | |
| Model Name | - | Jumbo-Max | Jumbo 2-MV | Jumbo 2-PV | Jumbo-Eco |
| Machine type | - | Roll-over Gantry | Roll-over Gantry | Roll-over Gantry | Fixed Gantry |
| Application | - | Bus & Truck (closed body) | Bus & Truck (closed & open body) | Bus & Truck (closed & open body) | Bus & Truck (closed & open body) |
| Operating Temperature | °C | 5 - 50 | 5 - 50 | 5 - 50 | 5 - 50 |
| Max washable length | mm | 15000 (47.5 ft) approx. | 15000 (47.5 ft) approx. | 15000 (47.5 ft) approx. | 15000 (47.5 ft) approx. |
| Max washable width | mm | 2900 (9.5 ft) approx. | 2900 (9.5 ft) approx. | 2900 (9.5 ft) approx. | 2900 (9.5 ft) approx. |
| Max washable height | mm | 4000 (13 ft) approx. | 4000 (13 ft) approx. | 4000 (13 ft) approx. | 4000 (13 ft) approx. |
| No. of Brushes | Nos | 3 (1 Horizontal & 2 Vertical) | 2 (Vertical) | 2 (Vertical) | 2 (Vertical) |
| Water pump operating pressure | bar | 2.5 | 2.5 | 2.5 | 2.5 |
| Shampoo pump operating pressure | bar | 4.5 | 4.5 | 4.5 | 4.5 |
| Top, Side, Front & Rear Wash | - | Top: Horizontal Brush Side, Front & Rear: Vertical Brushes | Top: High pressure Fixed/ Contour Oscillating Nozzles (optional) Side, Front & Rear: Vertical Brushes | Top: High pressure Fixed/ Contour Oscillating Nozzles (optional) Side, Front & Rear: Vertical Brushes | Top: Not applicable Side, Front & Rear: Vertical Brushes |
| Oscillating Nozzles (Optional Feature) | - | Fixed or Contour Following | Fixed or Contour Following | Fixed or Contour Following | Fixed |
| Oscillating Nozzles operating pressure | bar | Not applicable | 60 | 60 | Not applicable |
| Overlapping Brushes | - | Yes | Yes | Yes | No |
| Control system | - | PLC | PLC | PLC | PLC |
| HMI Monitoring system | - | Yes | Yes | Yes | No |
| Bus Profile / Edge Sensing | - | Photo Sensor | Photo Sensor | Photo Sensor | Not applicable |
| Pump dry run protection | - | Yes | Yes | Yes | Yes |
| Input Voltage | v | 3 Phase, 50 Hz, 415 V | 3 Phase, 50 Hz, 415 V | 3 Phase, 50 Hz, 415 V | 3 Phase, 50 Hz, 415 V |
| Max Operational load | kW | 4.45 | 4.45 | 4.45 | 4.45 |
| Material of Construction | - | Hot dip galvanized steel & SS | Hot dip galvanized steel & SS | Hot dip galvanized steel & SS | Hot dip galvanized steel & SS |
| Overall machine dimensions (LBH) | mm | 2810 X 5200 X 5220 | 2810 X 5200 X 5220 | 2810 X 5200 X 5220 | 2810 X 5200 X 5220 |
| Pneumatic Requirement | bar | 7 | 7 | 7 | 7 |
| | cfm | 3 | 3 | 3 | 3 |

* Specifications are subject to change without notice.

WATER RECYCLING PLANT

 **AQUA-R**
CREATING THE FUTURE FOR WATER RECYCLING



ADVANTAGES



CLEAR RECYCLED WATER



100% WATER RECOVERY



ZERO WASTE WATER DISPOSAL CHARGES



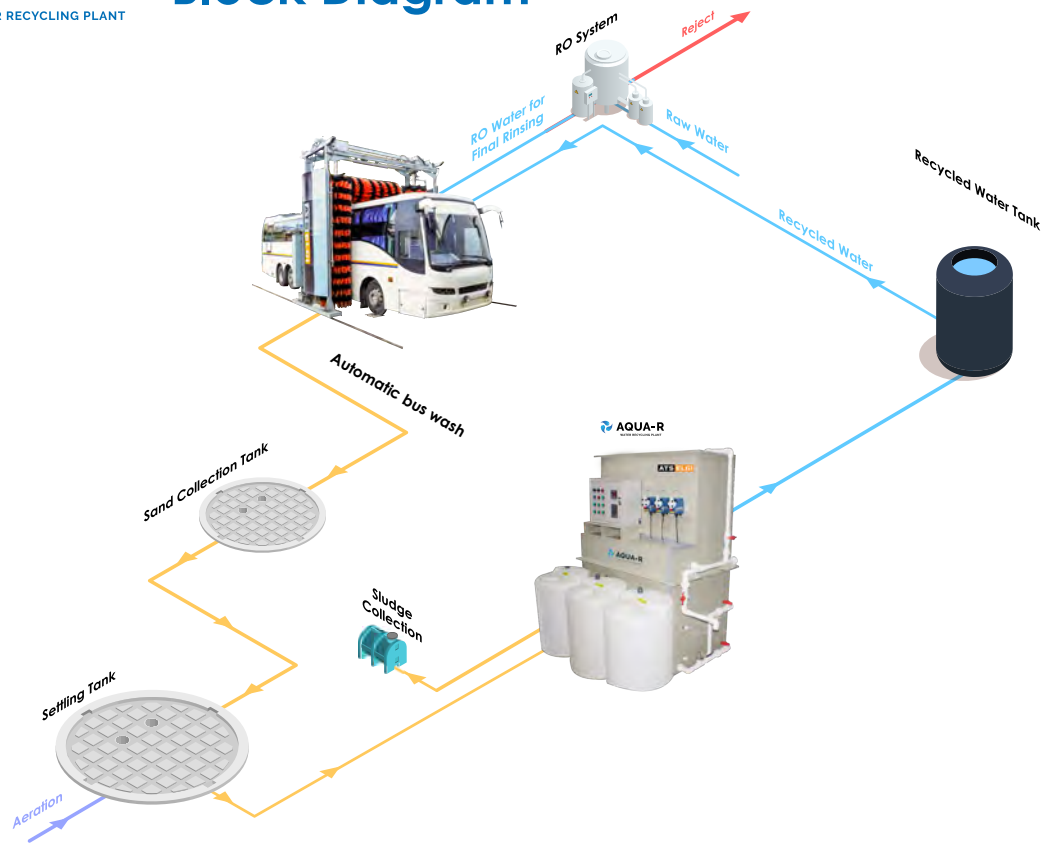
LIMITLESS RECYCLING



FULLY AUTOMATIC

AQUA-R Block Diagram

WATER RECYCLING PLANT





ATS ELGI Limited is a wholly owned subsidiary of ELGI Equipments Limited, a Global Player in the air compressor business which has a rich history since 1960. ELGI Equipments Limited is part of elite group of companies worldwide that is capable of manufacturing wide range of air ends and compressor packages. ELGI has modern manufacturing facilities in India and China and Strengthened its global presence with the acquisition of Rotair S.p.a., Italy and Patton's Inc., USA and F.R. Pulford & Son Pty Limited, Australia

ATS ELGI is the largest manufacturer and distributor of Automotive Service Equipment in India. With our "One Stop Shop" approach, we offer the widest range of garage equipment in the country. Working closely with Authorised OEM workshops and Private Garages compliments our profound understanding of the vehicle servicing business for over 59 years.

Our partnerships with Global Market Leaders in Automotive Servicing Equipment compliments our strengths in R&D and manufacturing. With our widespread network across India and presence in many International markets, we have the reach and coverage to support our customers, at every stage of the product's life cycle.

Customer Care Centre

At ATS ELGI, Customer service is an ongoing proposition that radiates from the top management down to each employee. Offering excellent customer service shows that our business with every customer is reliable and consistent. Regular training sessions and formal recognition of our representatives who have done a particularly good job dealing with customers, makes us more dependable and committed to rendering timely service and customer delight.



World class training centre, Coimbatore

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THINK LONG RUN

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