

EV-1 EVOLUTION®

C-STORE • PROFESSIONAL CAR WASH



SPECIFICATIONS

MODEL

EV-1

ELECTRICITY

208/230V

3PH, 4 WIRE

185 AMPS

REQUIRED FOR:

BASE UNIT AES-415

•
**HIGH PRESSURE
PUMPING STATION**

•
**CHEMICAL PUMP
WATER HEATER**

WATER SUPPLY

35 GPM

AIR SUPPLY

5 CFM

RECOMMENDED

BAY SIZE

34' LENGTH

16' WIDTH

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The EVOLUTION® or EV-1 is built on AUTEVOLUTION's top of the line friction machine, the AES-415 Soft Touch Car Wash System. The EVOLUTION® offers car wash operators countless profit-making capabilities including multiple levels of friction, high pressure or an awesome combination of both washes. The EV-1 hybrid has a 20 horsepower pumping station which pumps up to 35 gallons of water per minute through 48 oscillating, zero degree nozzles, 24 of which spray on the forward pass and 24 on the reverse pass. As the vehicle enters the wash, eight additional on-board turbo nozzles spray tires, wheels and rocker panels. The EVOLUTION® also dispenses a specially formulated foaming, high strength chemical during a presoak pass which is applied prior to the high pressure. The high pressure spray adjusts to the vehicle's length by the use of infrared photo eyes. The water delivered through the high pressure system can be fresh or reclaim.

The EV-1 offers consumers seven wash packages. Most options available on the 400 series Soft Touch Car Wash Systems are also available on the EVOLUTION®.

AUTEVOLUTION
Car Wash Systems
1-800-438-3028

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www.autev-carwash.com • email - ev1@autev-carwash.com

Highest Quality Wash • Lowest Operating Costs • Profits Without Problems

Features & Benefits in addition to standard features of the AES-425 base unit.

Features

High Pressure Pumping Station

20 horsepower high pressure pumping station pumps up to 35 gpm utilizing a space-saving, belt driven design. An additional 80 amp electrical service is required over and above the requirements for the AES-415 system.

48 Spray Nozzles

48 oscillating, zero degree nozzles deliver up to 35 gpm. Twenty-four nozzles spray on the forward pass and 24 on the reverse

Eight Turbo Nozzles

As a vehicle enters the wash, eight additional on-board turbo nozzles spray tires, wheels and rocker panels.

Chemical Presoak

Heated & specially formulated chemical presoak is used exclusively with the EV-1's high pressure option.

Chemical Presoak Heater

Heats a blend of water and presoak chemical for optimum cleaning.

Features

Water-based Hydraulics

Specially designed water-based hydraulic fluid makes the machine environmentally friendly in all circumstances.

Hydraulic Operation

Variable speed hydraulic drive for smooth operation provides control of the torque and speed of each arm for effective cleaning without damage. Front Arms retract as car wash approaches vehicle to keep brushes off of mirrors.

Hydraulic Tank Heater

Keeps hydraulic oil warm to ensure consistently smooth equipment start up.

Stainless Steel

Absolutely the most durable construction for dependable, long-term operation in harsh car wash environments.

All Welded Frame

Welded, not bolted, for superior structural integrity, ensuring enhanced machine longevity & performance.

Dual Arm Support

Keeps arm rotation true and consistent on all four arms.

Direct Drive

No chains, gear boxes or belts to require maintenance.

Soft Cloth or Polyflex Friction

Double front and rear side arms, plus our dual cloth mitter ensures that every area of a vehicle's surface is gently massaged clean with the use of soft cloth (standard) or polyflex (optional) strips lubricated with just the right volume of soap and water. Years of research and testing have determined the best sizes, lengths, cuts, cores and hardware to ensure unprecedented cleaning performance.

Overhead Mitter

The double action, overhead mitter effectively cleans all flat surfaces without the dangers and damages once associated with top brushes.

Mitter Retract

Our dual cloth mitter retracts for vehicle safety during entry and exit.

Split Hub Design

The lower section is wide to contour to the curved vehicle undersides. The top is slim to accommodate the tops of vans and trucks with large mirrors. We call this our "mirror-saving" hub design – ensuring safe, thorough cleaning.

Self-Diagnostic Computer

Self-diagnostic software monitors car wash functions.

On-board Rinse

Allows most effective and efficient rinse.

Foamer

Designed ready to accommodate AUTECH's optional AFS-1 or AFS-4, Multi-directional foam applicator creates an eye-pleasing display for the customers as the vehicle is washed.

Benefits

Standard features of the AES-425