

oo

Instruction

The Full Automatic Water-saving Steam Car Wash is the latest product with new conception of Environment-protective. The machine helps to promote the trend of environmental protection and also saves the resource. Since steam became the key to the product, it brings a whole new concept to substitute the traditional car washing system, and it works thoroughly against pollution, such as Sewage. Therefore, the dirt discharge system is not essential any more. Not only the machine works as a external car wash, but also it disinfects the inside of cab. Normally, it only costs one liter of water and one degree of electricity during the car washing process. The product is easy to operate while it is praised to have longer life, higher safety and reliability; the machine itself is less bulky, so it enjoys greater degree of mobility.

1. Principle

The steam car wash works on the principle that it combines the power of water pump and the electromagnetic valves to fill the water from the tank to the vessel, and it transforms water to steam by warming the radiator. The machine is ready to work as soon as the steam reaches its pre-set pressure. Switch on power, watering indicator and vessel water depletion indicator will be on and buzzer will give an alarm. Water pump and electromagnetic valve in chassis are simultaneously opened to add water in water tank into pressure vessel. Three liquid level sensors with different height being marked as No.1, 2 and 3 are set up inside the vessel, when water level touches No.1 liquid level sensor, water depletion indicator will go out, buzzer will stop giving an alarm electric heater will start working, heating indicator will display; when water level touches No.3 liquid level sensor, water pump and electromagnetic valve will stop working, watering indicator will go out, electric heater will continue to work. Now, when pressure gauge displays 0.8Mpa, pressure switch will

oo

switch off, electric heater will stop working, heater indicator will go out, car washing begins. Water with steam being sprayed from vessel decreases, when water level drops to No.2 liquid level sensor, water pump and electromagnetic valve will be actuated; when water level touches No.3 liquid level sensor, water pump and electromagnetic valve 1 will stop working, this procedure features reciprocating start, this is called water replenishing. When water replenishing is conducted and pressure is lower than 0.7mpa, electric heater procedure will be actuated until pressure reaches 0.8mpa. Water in water tank also decreases with water replenishing; when water level of water tank drops to water tank liquid level sensor, water tank water depletion indicator will be on, alarm starts. At this moment, water should be immediately added into water tank. When steam and water mixing function is necessary, start steam and water mixing function button, both water pump and electromagnetic valve 2 will start working to put water in water tank into steam pipe, water and steam will be simultaneously sprayed. When using this function, in the case of requiring water replenishing resulting from water depletion in vessel, switchover will be automatically conducted, water replenishing will be preferred. The quantity of water from water and steam mixture will become smaller, water replenishing ends. Water and steam mixing will be back to normal.

2. Characteristics

The steam car wash is less bulky, light weighted and high in mobility.size:880×660×440mm .Once the power is turned on, its full automatic process will be accomplished. During the car washing process, and the dirt discharge is not required. Other distinctive qualities of the steam car wash are engine cleaning and internal cab beautification. The product also unleashes advantage in winter, as it will still work as normal even when the temperature is down to -30°C, helping to solve winter problems. It is approved by the authority that only one liter of water is required for one time

washing process, which saves 60 to 100 liters of water; no added washing liquid is needed and it does not generate any sewage and other pollution; the inside high temperature steam kills germs and bad smells effectively.

3. Safeties

1. The buyer must install leakage proof switch which is $\geq 40A$ and socket which is also ≥ 40 ; then connect the socket properly to the floor.

2. 1) the first protection -- the pressure vessel is produced by using 3-4 mm 316 stainless steel; the designed pressure is 8 Mpa, and the actual pressure is 0.6-0.8 Mpa.

- 3 -

2) The second protection -- during the process, when the pressure reaches the pre-set pressure, the pressure switch would be cut off automatically and the heater will stop working. The pressure maintains within the pre-set range.

3) The third protection -- when the pressure exceeds the pre-set pressure, the safety valve will initiate the pressure reducer automatically.

4. Flexibility

The steam car wash is small and it saves space. Once the power is turned on, the machine will enter the status of full automation. The only thing users need to pay attention at is that, when tank lacks of water, the alarm will beep.

5. Resource-saving

Unique design, ---- the medium and water will be expanded to 1600 times after the heating up; water will transform to steam while the pressure reaches 0.7 mpa. The performance of the car

washing will be at its best by using pressure and 60-70 degree steam. It saves large amount of water, as it only costs one liter of water to wash one car which saves 60-100 liters of water comparing to the traditional car wash. There is no added washing liquid required. Moreover, it would not generate any sewage and other pollution, also the high temperature steam helps to kill germs and bad smells effectively.

6. Usability

oo

Water-saving steam car wash not only washes the car itself, but also has the function of cleaning the inside cab. The traditional car wash does not have such function, and it will be severely harmful to the engine to be washed by water straight after its power is being just turned off, it sometimes could cause burst of the cylinders, as well as it will harm the circuit of the engine extremely, which might cause short circuit. Washing engine by using water will stop cars being switched on properly. Such unpleasant things will never happen with the steam car wash. The temperature of the head of the handle is 60 to 70 degree. It would not cause any harm to either the engine or the circuit. And the car could always be turned on smoothly after the wash. The function of beautification for cars is unique and unrivalled. It could be a good helper to garages.

- 4 -

Adding in designated antiseptic appropriately helps to disinfect the outside and inside of the car.

7. Multi-Functionality

The second, the third, the fourth generation and the family oriented model have been developed based on the principle of the first generation, and the wireless device has been installed, which increases the efficiency to another level.

8. Reference Photo



SR18000

Albarakat group For Steam Machines and Smart Repairs Installations and Services

مجموعة البركات لتجهيز المغاسل ومراكز العناية بالسيارات

oo



SR21000



SR26000



SR29000

Albarakat group For Steam Machines and Smart Repairs Installations and Services

مجموعة البركات لتجهيز المغاسل ومراكز العناية بالسيارات

oo



SR30000



SR19500

ALL MACHINES ARE MADE OF HI QUALITY PARTS AND GURANTEED FOR 1 YEAR FACTORY WARRANTY.

**Albarakat Group For Auto Steam Polish and Smart Repairs
Saudi Arabia Jeddah P.O.BOX 101026 Zip 21311 Tel 966590803221 / 966591008032
Fax 96626687424 email albarakatgroup@gmail.com Web URL**

**<http://smart-repairs.ning.co/video/video/>
<http://s1.webstarts.com/autosmart-repairs/index.html>**