

Floor Washing Machines

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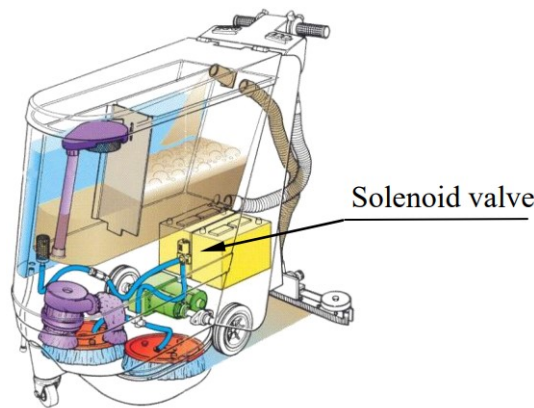


Floor washing machines

Household appliance for automatically cleaning floors, suitable for industrial use. The cleaning system consists in a rotating brush rubbing the floor. The appliance is equipped with a tank containing water and detergent, which are released on the brush when the operator presses a button.

Construction Diagram Of The System

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Solenoid Valve Application

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The solenoid valve allows water and detergent to flow from the tank to the rotating brush. The valve max working pressure is close to zero because fluids contained in the tank are at atmospheric pressure. The solenoid valve is electrically operated by a button on the machine console.

Solenoid Valves Used

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TYPE C_D208



TYPE C_D211



TYPE C_D208

2/2 way NC direct acting dry armature with series 7 coils in DC

TYPE C_D211

2/2 way NC direct acting dry armature with series 7 coils in DC

We Recommend

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Water is not under pressure therefore a 2/2 way direct acting vending valve is suitable for this application. The valves proposed above have a simple construction and a very large nominal diameter, (□11mm) for the brass construction and (□ 13 mm) for the plastic construction. Since the valve can be exposed to strokes while being used, a brass body is to be preferred. The brass body is the female GAS connection, whereas the polysulphone body has a hose tail connection (inlet 17,5 mm fitted with 3/8", outlet 16,5 mm). While developing the project it is important to make sure that the valve is not exposed to stresses. Some customers like the 45° inclination of the outlet of the plastic body, which eliminates an angle. In addition the plastic version has an exhaust hose tail used in applications with beverages, which needs to be capped in this application (cap not supplied by M&M).