

**ABSTRACT****A SINGLE CHAMBER DISHWASHING MACHINE**

An improved dishwashing machine is proposed which has a dish-cleaning compartment, a dish-rack rotating mechanism, a re-circulating fluid spraying system, a non re-circulating fluid spraying system, a drainage mechanism, a waste filter tank and a controlling means. The dish-cleaning compartment consists of a cover and a casing, which includes a re-circulating fluid spray arm and a non re-circulating fluid spray arm. Automatic chemical dispenser, hot air dish-drying system and ultraviolet light sterilizer are included as optional features. Dish-cleaning operation starts with a flush cycle and then follows by a wash cycle and a rinse cycle. A dish-drying operation is introduced at the end of the rinse cycle, to dry as well as to sanitize dishes.

*(An illustrative drawing is shown in Figure 1.)*