MULTIPURPOSE AQUEOUS PARTS WASHER

ABSTRACT

The present disclosure relates generally to a multipurpose parts washer used to remove grease, oil, and dirt from mechanical parts, and more particularly, to an apparatus for washing parts within a single housing having an automatic cleaning portion, with a first cleaning chamber for spraying parts, a second cleaning chamber for soaking and agitating parts, and a manual cleaning portion. The multipurpose parts washer includes three cleaning portions. All portions use cleaning solution from a single pump, a reservoir portion to collect and store the important volume of cleaning solution and debris from the washing process, a single controller interface operated from a display, and a thermal energy source for heating the cleaning solution. The multipurpose design also includes novel features such as the use of a submerged pump within the reservoir, easy-access panels for the pump motor, the controller, and the display, an integrated sink serving as a safety lid of the automatic portion to collect the cleaning solution of the manual cleaning portion and to enclose the automatic cleaning portion, and the use of a timer and a multicolor display for easy operation of each of the cleaning portions. The design may also include a concurrent multifunction cleaning feature, a thermally activated safety lid, an immersion agitation tank, and a removable flat or V-shaped debris pan.

FIGURE 1