

CHAPTER 1

INTRODUCTION

1.1 OVERVIEW

Food serving atmosphere plays a very important role in determining the health of the society. We all know that a large number of people depend on hotels for their food daily. Therefore it's very important to make sure that the food will be served in hygienic utensils. Uncleanly utensils results in causing food borne diseases such as food poisoning, hepatitis etc. As we all know most of the hotels, hotels, canteens etc. depend upon manual cleaning for cleaning of utensils. The manual labor assigned for this purpose would be working under tremendous pressure as these food serving places would be in higher demand during certain time of the day. This results in incomplete cleaning of utensils and customer dis-satisfaction etc. To overcome this problem now a day many of these industries are going for serving food on plastic sheet laid utensils. This may seem to be a simple solution but we should also consider the amount of wastage generated because of this idea. As we all know in places like Bangalore it's difficult to allot place for disposal of these wastes which will be generated in the quantities of tons per day and most importantly they are not bio degradable. It also have adverse effect on the users health as it possess a serious threat of melting when used to serve hot food items.

Dishwashers exist in market since very long time. But we can observe that none of the small or medium scale hotels, canteens, hostels etc. is employing them. These factors lead us to the design and fabrication of commercial utensil sterilizer. The basic idea is to make the dishwasher user friendly and adoptable to the practical conditions faced in food serving industries and also the hygienic food serving atmosphere is achieved. In this report we shall look into the factors led to the failure of dishwashers in Indian market, the importance and need for a utensil sterilizer, designing of different stages and also the components of utensil sterilizer, fabrication and assembling. Through tests we shall study the adoptability, advantages, disadvantages, applications of utensil sterilizer.