Introduction: Every years and decades the mankind shows the aspiration to the development. At a turn of the XX-XXI centuries society entered in innovative days which are characterized by rapid growth of changes in all spheres of public life. As it is known the main reasons of studying and introduction of innovations at the hotel and restaurant enterprises are: representation of unique services, strengthening of competitive fight and attempt to get competitive advantages in the market and to maximize profit; increase in demand of consumers; ensuring prestige of the enterprise and the fast solution of problems which can arise at the enterprise.

Materials and methods: the comparative, descriptive methods are used in research. The innovations at hotel and restaurant business and also aroma technologies are the material of research.

Results: Skilled experts of hotel and restaurant business claim that even at the most careful cleaning of rooms doesn’t make it impossible to solve fully a problem of a flavor of food or a tobacco smoke and many other unpleasant smells.

The solution of this problem requires the using of aromatic liquid wich is split to the sizes of a nanoparticle and mixes up with air particles, evenly extending in all the room. As apposed to nano-fragrances, the majority of aerosols and aromatics consists the volatile organic compounds harmful to environment and a human body [1].

AirQ is the most effective way of smell distribution of the necessary concentration in any room with steady effect and without negative consequences. Qualitatively new way of aromatization is reached by AirQ drops at the expense of their size. In comparison with an aerosol drop, the drop of AirQ is smaller in the diameter in a hundred times, the surface nano-drops is smaller then 10 thousand times, and the volume and weight is smaller a million times. The small size, weight and diameter of a micro drop allow mixing up most quickly with air particles. Formation of AirQ micro drops happens without heating and influence of pressure,
provides preservation of initial structure of aromatic substance. AirQ micro drops extend by the principle of "dry gas" mixing up with the air in all room and don't settle on a surface for a long time. The tests in experimental conditions showed that in motionless air the 1 micron AirQ drop falls on a floor from height of 180 cm only in 14 hours. Whereas aerosol drops appear on a surface in the first minutes [2].

The system of nano-aromatizations accurately controls concentration of aromatic substance in air, allows to prevent allergic reactions. The VOC (volatile organic compounds) aren't used as a part of AirQ micro drops. All parameters of the equipment making of nano-aromatizations are set and controlled by programming, allowing to keep necessary concentration of aromatic substance at the necessary level in any rooms. Modern technologies allow flavoring rooms of any complexity and any volume. Fragrances of AirQ-1200 and AirQ-150 can be built in system of ventilation. The ScentStream air freshener is established only in central air and ventilation [3].

**Conclusions:** It is possible to apply an individual approach to each guest in high category hotels: to suggest creating the comfortable, individual atmosphere in his room. For this it is necessary to install the special equipment and to suggest the guest to choose the aroma suitable in each room.

**REFERENCES:**