TECHNICAL SPECIFICATION

GLASSWARE WASHING MACHINE

Ελένη Γαργαλιώνη
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1. It must be appropriate for analytical cleaning of laboratory glassware from industrial, environmental and research laboratories.
2. It must include a clean water system, of maximum cleaning temperature and decontamination temperature 93°C.
3. It must be capable to be equipped with various towed baskets with sprinklers, canisters and enhancements.
4. It must have adjustable settings for performing drying using washing chamber resistors.
5. It must be constructed by stainless steel, with a stainless steel washing chamber resilient at high operational temperatures as well as alkalic and acidic materials. External dimensions approx. 85 x 60 x 60 (h x w x d) cm. Washing chamber: 500 x 530 x 500 ((h x w x d) mm.
6. It must be front-loaded having a flap door capable to open until the horizontal position.
7. It must operate with an electric door sealing lock for user and operation safety.
8. It must include an embodied water softener.
9. It must provide two (2) washing levels with two (2) stainless steel washing arms and a third arm on the main-top basket.
10. It must have an electronic operation control, 8 programs, including for cleaning inorganic and organic waste as well as for plastic materials.
11. It must have an embedded reading screen for:
    - ✓ Programs series
    - ✓ Temperature and program duration
    - ✓ Program completion reading signal and sound
    - ✓ Light signs for issue control and service requirements
12. It must have a socket for external connection with a washing chamber internal temperature control device.
13. Washing must be performed by water spraying form the washing arms through a water circulation pump max. Q 400l/min (0.7 kw).
14. It must have a four layer filter in the washing chamber.
15. It must have:
    - ✓ Wicket for solid powder detergent
    - ✓ Wicket for polish
    - ✓ Pump for acidic detergents
    - ✓ Pump connection capacity for additional liquid detergents
16. It must have water vapor condensation system inside the washing chamber, preventing release of vapor in the laboratory.
17. It must have the following supply connections:
    1 for cold water at flow pressure 2-10 bar
    1 for hot water at flow pressure 2-10 bar
    1 for demineralized water AD (-VE)
18. It must have a drain pump.
19. Washing operation duration must not exceed 40min when there is hot water supply in the washing machine.
20. It must have low consumption in water and electricity.
21. It must have the capacity of washing either in two or in one level (two or one baskets).
22. It must be accompanied by baskets and canisters for washing volumetric flasks, beakers test tubes and other narrow-neck glassware.