



**SPECIFICATIONS:**

**Barrier Washer**

**Qty: 1 unit**

**Description:**

1. Barrier washer extractor with automatic dosing pump - Capacity -50 kg or more
2. The washer should have front loading and unloading of the washed garments shall be done from the other side (Unloading door).
3. The unloading door shall be placed at a 180 degrees angle from the loading door, soft mount type with suspended construction allowing a 300-350G.
4. The inner Drum should be divided into two compartments with horizontal partitions.
5. It should have automatic inner drum positioning in the loading or unloading position.
6. The Barrier Washer ensures that any wash program is performed fully before it allows unloading on the clean side. This guarantees that linen has been properly washed and disinfected before unloading it on the clean side.
7. It should have two doors (Loading & unloading door) and a Mutual lock of the loading and unloading door, which can't be opened simultaneously.
8. The inner and outer wash cylinders should be constructed using stainless steel 304. The inner wash cylinder should be fitted with perforated spray lifters for improved agitation and quicker soaking of the wash load.
9. It should have Automatic Outer door locking and unlocking with a pneumatic system for maximum safety and efficiency.
10. In case of fast forward, error, power failure & emergency stop, the machine will only allow opening on the dirty side.
11. The safety interlock on the loading door supervises the water level and the motor drive so that the door cannot open until the water level is below the inner drum and the drum rotation has stopped.
12. It should have end of cycle audio-visual alarm.
13. It should have a Pneumatic suspension for less vibration.
14. It should have a variable Frequency controlled motor and silent rotation speeds.
15. The out-of-balance shall be determined electronically, and based on the out-of-balance, the machine shall be able to decide on the maximum allowable speed for extraction up to 300-350G
16. Control Panel The machine shall be controlled with an electronic microprocessor with the

following minimum features: -

- 16.1. The control shall display the remaining wash time, error codes and program status indication.
  - 16.2. The display shall be LED/LCD-type and can display text and symbols.
  - 16.3. Wash Programs: The machine shall be able to store program “libraries” with up to 30 different wash programs. It shall be possible to automatically start a wash program at a specific time.
  - 16.4. Software to ensure the traceability of the linen and helps with data logging and process validation.
  - 16.5. Software that ensures that any wash program performs to its ends before it allows unloading on the clean side would ensure that no manual bypass or override of the wash program is done for the completion of the wash cycle.
  - 16.6. The Control panel can be lockable with a password.
17. **Liquid Detergent Supply:** - The chemical/detergent supply should be through the dosing pump only with a minimum of 5 chemical boxes. The machines shall be available with only liquid supplies via external dosing pumps.
  18. **Drive System:** - The machine shall have a motor powered by a variable frequency drive. There shall be no gearboxes, clutches, or gear reducers.
  19. **Water and drain:** - The machine shall be provided with two water inlets (Cold/Hot).
  20. **Basket Volume:** - 500 Liters. (Minimum).
  21. **Final Extract:** - More than 800 RPM or more.
  22. **G-Force:** - 350 G or more.



**Electrical Requirements:**

- Electric Supply: - 415V, 3Ø, AC, 50hz
- Electric Motor: - Rating should not be more than 5 H.P
- The power cord should be UK (Type G) - **Three rectangular pins in a triangular pattern.**

**Standards Requirements:**

- USFDA, CE or ISO certifications or relevant standards certification.

**Additional Remarks or Requirements:**

- Complete product details to be enclosed with the original brochure or catalogue (Soft or hard copy).
- Details of the standard accessories, additional accessories, optional items, consumables and minimum supplies to be stated clearly.
- It should provide the proper user training and user safety procedure guidelines.