

**Specification for**  
**Automated Glassware/plastic/teflon washer and Dryer**

- One-piece, stainless steel (SS 316L), fine mesh particle drain filters.
- Separate pumps for washing and draining to reduce contamination.
- Forced air drying system with filters and adjustable time and temperature setting, to ensure completely dry glassware.
- Water heater for effective cleaning and chemical dosing pumps (at least two Nos.).
- Noise : 55-65 dB (A)
- Washing and air drying on 4 levels, Chamber Volume: 250 Ltrs.
- External Dimensions – 70D x 60W x 180 H (cm)
- Glass Door. Soft Touch LCD display, minimum 20 standard and customized programs and these could be locked to prevent unauthorized changes.
- Alarms to inform completion and abnormal events in the operation.
- User set delayed start time should be mentioned.
- Telescopic bearing rails enable easy and safe loading/unloading of the glassware.
- Washing and disinfection temperature are fully adjustable up to 93°C. Temperature is monitored by independent sensors.
- Heavy washing pump ensures high flow rate combined with effective spray pressure.
- Inner cabinet, washing arms and tank filters made of high quality stainless steel of 316L grade.
- Built-in water softener for water rinsing.
- Manual/automated-fill detergent dispenser warm-cold- water connection.
- Power consumption – 230V/ 50-60Hz and cabinet power consumption should below 9kW.
- All necessary accessories as per below mentioned load must quoted as standard.

**Type of Glasswares used for washing**

Sl.no	Type of Glass, Plastic and Teflon ware	Capacity ( ML)	Quantity to be washed Per day
1	Reagent bottle narrow	60	50
2		125	30
3		250	20
4		500	5
5		1000	5

6	Volumetric flask	50	50
7		100	30
8		250	100
9		500	5
10		1000	5
11	Beakers	50	30
12		100	30
13		250	10
14		500	10
15	Pipette tips	5	10
16		10	10
17	Measuring cylinder	100	10
18		200	10
19		500	5
20		1000	5
21	Conical flask	100	15
22		250	15
23		500	15
24	Falcon tube	15	30
25		50	30
26	Centrifuge tubes	15	50
27		50	50

- 12 months warranty after the successful installation.
- Detailed service manual and operation manual should be provided by the supplier or manufacturer. Original colored catalogue verified from website with detailed literature should be provided.
- Manufacturer / Supplier should install and successfully run and demonstrate the instrument.