

Barrier Washer Extractor

Laundry Process Designed for High-Hygiene Environments

Barrier washer extractors are specifically designed for healthcare and other high-hygiene environments to prevent microbiological contamination during the laundry process by separating dirty and clean laundry with a physical barrier and dual doors.

Work shop of High Spin Chlorinator Washer Extractor BW-30kg Wash & Dry 2 in 1

Features and Benefits:

- Parts in contact with water made of high grade stainless steel 316L withstand high ppm chlorine water last much longer than any plastic or fiberglass products (Upgradable to Duplex Stainless Steel SS2205).
- Trouble-free Industrial designed shaft and bearing design with strong casted bearing housing.
- Compact design with large diameter drum, saving installation space and also give better agitating effect for chlorinating process.
- Separated compartment with automatic positioning for easy unloading at a slope position, saving time and reduce labor fatigue significantly.
- Tight-seal door allow more water filling, maximize chlorine water filled in contact with gloves with better soaking effect, also eliminate chlorine gas escape for better environment protection.
- Small gap between inner drum and outer drum save chlorine water with same amount of water in contact with processing gloves.
- Fully programmable touch screen computer up to 99 programs allows maximum flexibility to adjust and achieve best possible result for different process requirement.
- Large exhaust connection for chlorine gas release protect working environment.
- Air bags suspension system with high extract, saving cost and floor space for additional hydro-extractor, saving time and labor, as well as energy and time for drying.
- Inverter drive allows variable rotation speed setting gives even better processing result to meet requirement from different customers need.

Barrier washer extractors are industrial machines designed to prevent microbiological contamination during laundry processing by separating dirty and clean laundry through a dual-door, wall-mounted design, ensuring optimal sanitation in healthcare and other sensitive environments.

Here's a more detailed explanation of their usage:

Key Features and Functionality:

Dual-Door Design: The machine has two doors positioned on opposite sides of a wall, allowing for loading of soiled laundry on one side and unloading of clean, sanitized laundry on the other.

Physical Barrier: The wall-mounted design creates a physical barrier, preventing direct contact between dirty and clean laundry, minimizing the risk of cross-contamination.

Hygiene and Sanitation: Barrier washer extractors are specifically designed to meet high hygiene standards in industrial cleaning, particularly in healthcare settings.

High-Speed Extraction: These machines incorporate a high-speed extraction cycle to efficiently remove excess water from the laundry, reducing drying time and energy consumption.

Programmable Cycles: Many models offer programmable wash cycles to accommodate various fabric types and contamination levels, ensuring effective cleaning and sanitization.

Data Management: Some models offer data management features, allowing for tracking of wash cycles, energy consumption, and other relevant data.

Applications:

Healthcare Facilities: Hospitals, clinics, and other healthcare settings use barrier washer extractors to ensure the safe and hygienic processing of patient linens and medical textiles.

Pharmaceutical Industry: These machines are crucial for maintaining sterile environments in pharmaceutical manufacturing facilities, handling cleanroom garments and sensitive materials.

Biotech Laboratories: Barrier washer extractors are used for cleaning and sterilizing lab coats, towels, and other materials used in biotech research.

Cleanroom Environments: They are essential for processing cleanroom garments and equipment, ensuring particle-free cleaning in industries like semiconductor manufacturing and aerospace.

Other Sensitive Environments: Barrier washer extractors are also used in food processing plants, nuclear power plants, and other facilities where extreme dust and germ-free environments are required.



Specification :

Model	LM-BEW-20	LM-BEW-30	LM-BEW-50	LM-BEW-100
Maximum Capacity kg	20	30	50	100
Inner Drum D×L (mm)	Φ 730×490	Φ 900× 500	Φ 970×720	Φ 1200×890
Motor Power (kw)	2.2	4	5.5	11
Washing Speed (rpm)	35	35	35	32
Rotation (rpm)	70	70	70	65
Extracting Rotation (rpm)	440	400	370	350
Fast Speed Rotation (rpm)	920	800	750	750
Steam Inlet (mm)	DN20	DN20	DN20	DN25
Water Inlet (mm)	DN40	DN40	DN40	DN50
Drain (mm)	Φ 89	Φ 89	Φ 89	Φ 140
Water Pressure (Mpa)	0.2-0.3	0.2-0.3	0.2-0.3	0.2-0.3
Steam Pressure (Mpa)	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6
Air compressor Mpa	0.4-0.5	0.4-0.56	0.4-0.5	0.4-0.5
Water Consumption (kg)	300	450	700	1650
Steam Consumption (kg)	15	25	45	50
Electricity Heating Power (Kw)	18	24	36	48
Overall Dimension (Front Back) mm	1250 (1300)	1400 (1450)	1500 (1550)	1720 (1770)
Overall Dimension (Left Right) mm	1360 (1440)	1370 (1450)	1640 (1720)	1810 (1890)
Overall Dimension (Height) mm	1690 (1840)	1800 (1950)	1880 (2030)	2150 (2300)
Weight (kg)	800	1140	2000	3000
Power Supply V/Pn/Hz	380/3/50	380/3/50	380/3/50	380/3/50

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