

LAUNDRY EQUIPMENT**TYPE: 30 LB. CAPACITY HIGH-PERFORMANCE WASHER-EXTRACTOR**

- DRYWEIGHT CAPACITY:** Shall be a minimum of 30 lbs./cycle
- CYLINDER VOL./DOOR DIAMETER:** Shall be a minimum of 4.4 cu/ft. and door opening of at least 12.9-inches in diameter.
- CABINET / CYLINDER MATERIAL:** Shall be AISI Type 304 (Top/Front/Sides) and inner/outer cylinder.
- WASH / EXTRACTION SPEEDS:** Unit shall allow programmability of at least four (4) wash rotation speeds and at least six (6) levels of extract by phase. High extract shall be a minimum of 350 G-Force.
- CYCLE SELECTION:** Unit shall provide at least 20 preprogrammed laundry cycles with the ability to program a minimum of 79 cycles. The programmable cycles shall allow flexibility of as few as one (1) phase / bath or as many as 21 phase(s) baths to ensure proper load processing and flexibility.
- PROGRAMMABLE CONTROLS:** The 79 fully-programmable cycles shall have the ability to be program manually at the machine or via a card download interface for maximum speed and accuracy for multiple machines or locations. The control shall allow up to 21 phases or bath exchanges. A phase (bath) shall consist of no less than six (6) programmable fill levels, adjustable fill temperatures, automatic chemical flushing and or injection and the ability to select at least five (5) on/off rotation combinations for flush, wash and rinse phases. The control shall also display cycle progress through LED indicator using words and icons located on control panel and shall allow management to limit operator programming through the use of a secret access code and cycle lockout function.
- WATER TEMPERATURE CONTROL:** Water inlet valve shall be thermostatically controlled. Unit shall permit operator to pre-set all phase bath temperatures from 32°–194°F to adapt to specific linen treatment specifications and/or government sanitary regulations.
- PROGRESSIVE COOL DOWN:** Unit shall be capable of a gradual reduction of water temperature from wash to rinse so to reduce fabric shock/wrinkles. The unit shall allow at least four (4) programable levels of gradient reduction per minute including: 2°F, 5.5°F, 9°F and 18°F.
- NOISE & IN-LINE FILTERS:** Unit shall produce no more than 70 dB (Measured Equivalent Continuous) at the work station of the unit. The unit shall also have standard in-line circuit filters that reduce induced noise and radiating noise for output wiring. The unit shall also provide a standard in-line DC reactor for improving the input power-factor and reducing harmonics when the voltage imbalance exceeds 2%.
- AUTOMATIC CHEMICAL INJECTION CHEMICAL DISPENSER:** Unit shall provide eight (8) independent chemical injection connections for automatic dispensing of liquid chemicals with a minimum of four (4) independent activation signals with an option for twelve (12). For safety purposes all connection ports shall be mounted on the rear of the machine. Unit shall be equipped with a top mounted four (4) compartment pre-wash and wash detergent/bleach/softener dispenser. The chemistry from liquid supply or hopper compartments must be able to be dispensed automatically at the appropriate time of the cycle only after being diluted with water. The control shall allow for the hopper and liquid injection signals to be controlled independently and allow for signal duration/flush programming. The chemical water solution shall be delivered to the load below water level to protect the load from possible chemical damage.
- WASH WHEEL & LIFTERS** The wash wheel shall be polished to a clean finish and free of bolts and visible welds. Unit shall have funneled tub perforations in order to protect wash items damage caused from sharp edges. The tub lifter shall also have top and side perforations that lift and drop water and wash items together providing superior load saturation, chemical penetration and improved rinsing.
- BEARING HOUSING/PROTECTION:** Bearing housing shall be of solid one (1) piece construction for optimum structural support and must have an in-line bearing protection weep system allowing any moisture that may breach the seal to be drained away before reaching the main bearing.
- SUSPENSION SYSTEM:** Unit shall be equipped with an internal suspension system capable of absorbing up to 95% of transmitted load dynamic energy (vibration) and isolating it away from electrical components, major mechanical components (bearings, shaft, frame) and the floor. Unit shall be freestanding and not require bolt down or pin attachment to floor structure and should require no additional foundation from standard commercial concrete for mounting. Dynamic load to floor shall not exceed 201-pounds with a frequency of 16.7 Hz.
- VOLTAGE/AMP REQUIREMENT:** 208-240/60/1 standard voltage with no more than 10-amp service requirement
- MACHINE WARRANTY/APPROVALS:** Limited Warranty—3 Years on all machine parts 5 Years—Mainframe, inner cylinder, including-shaft, bearings and seals. Approvals shall include at minimum ETL, CSA, CE. Equipment shall be manufacture under ISO9001 quality standard and ISO 14001 Environmental Impact Standards.