

**LAUNDRY EQUIPMENT****TYPE: 20 LB. CAPACITY HIGH-PERFORMANCE WASHER-EXTRACTOR**

- DRYWEIGHT CAPACITY:** Shall be a minimum of 20 lbs./cycle
- CYLINDER VOL./DOOR DIAMETER:** Shall be a minimum of 2.8 cu/ft. and door opening of at least 12.2-inches in diameter.
- CABINET / CYLINDER MATERIAL:** Shall be AISI Type 304 (Top/Front/Sides) and inner/outer cylinder.
- PROGRAMMABLE EXTRACTION:** High extract shall be a minimum of 300 G-force with the ability to program any one of six (6) extract speeds.
- CYCLE SELECTION:** Unit shall provide a maximum of eight (8) laundry cycles to ensure maximum simplicity. Cycles may be customized to adapt to specific linen processing requirements with the ability to program a minimum of two (2) and no more than nine (9) baths (fills) to ensure thorough cleaning and flexibility.
- PROGRAMMABLE CONTROLS:** Unit shall be equipped with a programmable microprocessor control with 8-cycle programs with the ability to program up to nine (9) phases. A phase shall consist of no less than four (4) programmable fill levels, adjustable fill temperatures in six of nine phases, automatic chemical injection and the ability to program at least three (3) on/off rotation combinations for flush, wash and rinse phases. The control shall also allow programming a of up to eight (8) minutes per phase for flush and rinse baths and at least twenty (20) minutes for wash, programmable extract, delay start control, display cycle progress through LED indicator 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 wash temperatures from 32°–104°F for flush and at least two (2) rinse phases. Wash phase shall allow programmable 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. Reduction shall be no more than 7° F per minute from 194° to 130°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:** Unit shall provide eight (8) independent chemical injection connections for automatic dispensing of liquid chemicals with a minimum of four (4) independent activation signals. 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 chemical water solution shall be delivered to the load below water level to protect the load from possible chemical damage.
- CHEMICAL DISPENSER:**
- 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 115-pounds with a frequency of 16.2 Hz.
- VOLTAGE/AMP REQUIREMENT:** 120/60/1 standard voltage with no more than 15-amp service requirement
- MACHINE WARRANTY/APPROVALS:** Limited Warranty—3 years on all machine parts and 5 years on mainframe, inner cylinder, including shaft, bearings and seals. Approvals shall include at minimum ETL, CSA, CE. Equipment shall be manufactured under ISO9001 quality standard and ISO14001 environmental impact standards.