

## LAUNDRY EQUIPMENT

### TYPE: Water Reclamation System

- TANK CAPACITY:** Shall be a minimum of 125 gallons of usable capacity
- DIMENSIONS:** Shall be a maximum dimension of 50 inches (H), 19.9 inches (W), and 74 inches (D)
- TANK MATERIAL:** Shall be AISI Type 304 (Top/Front/Sides)
- TANK DESIGN:** Shall be constructed using a minimum of ISO9001 quality standard of manufacture requirements. The system shall also be free standing with stainless steel no-slip lid capable of supporting reasonable weight in order to utilize as a storage area. The re-use tank lid should be removable in order to properly maintain and inspect.
- SAFETY FEATURES:** The system shall provide a siphon-break mounted at the inlet of the tank in order to eliminate the possibility of back-flow. The system shall also provide a minimum of two overflow drains of at least 3 inch diameter each plumed directly to the sewer or drain trough system so as to compensate for double pumping overflow or pressure equalization. In addition the system will have a safety float device that will automatically disengage the pump when maximum capacity has been achieved.
- CONTROL SYSTEM:** Unit shall be equipped with a control system integrated with the washer extractor micro-processor control. The control should allow for multiple programming of cycle and to include temperature control of all rinse water temperatures by degree ranging from 33°–194°F to adapt to specific linen treatment specifications and control the inlet temperature to the washer when reclaimed water is being reintroduced. The system shall allow for time delay start of the unit allowing after hours cleaning and purging of the reclamation unit or additional after-hours laundry productions with water re-use.
- GENERAL CAPABILITIES:** Unit shall be capable of redirecting up to 125-gallons of rinse water from the wash wheel directly to the reclamation tank to be used as desired in future pre-wash, wash or initial rinses of subsequent cycles. The reclamation system should allow for the operator to program specific cycles for individual linen types to use reclamation or choose not to use the system. At least 59 programs should exist which can be altered for specific needs to be used in a washer unit with a capacity up to 130-pounds.
- THERMOSTATIC COOLDOWN:** The system shall be capable of a gradual reduction of water temperature from wash to rinse as programmed by the washer microprocessor so as to reduce fabric shock/wrinkles and damage using both fresh and reclaimed water. Reduction shall be limited to no more than 45°F per minute from 194° to 130° F.
- CHEMICAL ADDITIVES:** Unit shall be capable of operating properly with or without the use of diluted common laundry chemicals and additives such as chlorine or oxygen bleach or sour.
- PUMP SYSTEM:** Unit shall provide two self-priming transfer pumps for each tank. The pumps shall have a “Vortex” design capable of passing up to 1/2 inch diameter solids for reduced maintenance. The base is a fabricated structural steel and the pump motors are totally enclosed, fan cooled (TEFC).
- SYSTEM INTEGRATION:** System is completely integrated in the with the washer extractor as all relays, terminal blocks and plugs are internalized within the washer control and electronic system so as to totally integrate with the washer system. The integration also allows the realization significant space savings over other system designs and provides a safe and simple operational environment.
- POWER REQUIREMENT:** 208-240/60/3
- MACHINE WARRANTY:** 3-Year Limited Warranty—From the date of installation on all machine parts, including hoses and components with rubber-like composition.