

Winter Haven Fire Department Specification for
Laundry Washer – Extractor, 35 lb Capacity

1.01 General

- A. Automatic laundry washer – extractor for cleaning Firefighter Personal Protective Equipment (Bunker Gear).

1.02 System Description

A. Design Requirements:

1. Construction: 304 or equal stainless steel cylinder, tub & cover panels.
2. Input voltage: 208 – 240/60/3 phase, 3 wire plus ground
3. Dry weight capacity: 35 lb. minimum
4. Wash cylinder volume: 5.76 cu ft minimum
5. Overall width: 33 - 3/8 inches
6. Overall Height: 55 - 1/2 inches
7. Overall depth: 43 - 5/8 inches
8. Number and size of water supply valves: [2] with 3/4 NH male connections
9. Number and size of drain outlets: 1 at 2.4 inches
10. Overflow: Internally plumbed
11. Control System: Programmable microprocessor
12. Cylinder Drive: Single motor, 2 hp, capable of 504 RPM

B. Performance Requirement

1. G – force at highest extract speed: 95
2. Chemical supply system.
 - a. Manually filled 5 compartment dry chemical dispensing system
 - b. Automatic flushing connections for 5 external supply lines and control signals for 8 external supplies
3. Control System
 - a. Programmable microprocessor; (manual, PDA, laptop pc)
 - b. 30 programmable cycles
 - c. 30 programmable water levels
 - d. Real time clock to record events by date and time
 - e. Cycle counter
 - f. Water monitoring: slow drain and auto leak detection system

- g. Temperature controlled fill and thermal cool down
- h. Diagnostic capabilities.

4. Drain valve automatically opens in event of power failure.

1.03 Delivery & Handling

A. Acceptance at site:

- 1. Inspect machine for damage prior to acceptance. If damage, follow freight handler's procedure for claims.

1.04S System Startup and Training

- A. Machine installation shall be inspected by local manufacturer's representative prior to startup and operation. The party installing the machine is responsible for setting the schedule for this inspection.
- B. Training on the operation and maintenance of machine shall be completed by manufacturer's representative before machine is placed in service

1.04 Installation

- A. Refer to and comply with manufacturer's installation instructions. Do not deviate without permission from owner.
- B. Provide 30 days labor warranty, 3 years all parts, 5 years frame, basket, shaft, bearing, and seals.
- C. Washer installation defined as: receives, delivers, bolt down, and connections made within 5 foot owner provided utilities.