

WET RISER

Pump Room

- a. Inspect pump room cleanliness.
- b. Inspect for correct labelling.
- c. Inspect emergency light.
- d. Inspect ventilation system.
- e. Inspect condition of door.
- f. Inspect light intensity.

- g. Inspect floor trap/drain to ensure good water flow.
- h. Inspect pump circuit diagram (Laminated & framed up) are up to date.
- i Inspect pump layout diagram (Laminated & framed up) are up to date.
- j. Inspect portable fire extinguisher CO2.

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Tanks

- a. Inspect for integrity of structure.
- b. Inspect for leaks. Repair / replace as necessary.
- c. Inspect for rust. Repair / replace as necessary.
- d. Inspect operation of ball valve. Repair / replace as necessary.
- e. Inspect water tank level indicator. Repair / replace as necessary.

- f. Inspect electrode and clean. Repair / replace as necessary (if equipped).
- g. Inspect for sediment/sludge. Flush and clean.
- h. Inspect internal and external cat ladder. Repair / replace as necessary.

Pumps

- **i. General**
 - a. Inspect condition of pumps (cleanliness/appearance).
 - b. Test run each pump on automatic and manual mode.
 - c. Inspect the correct cut-in/cut-out auto mode operation of the pressure switch. Check pressures.

- d. Inspect all motor bearings, lubricate with grease. Replace as necessary.
- e. Inspect all pump bearings for excessive noise, vibration & wear. Lubricate with oil or grease. Replace as necessary.
- f. Inspect carbon brushes and slip rings of all motors. Clean, repair / replace as necessary.
- g. Inspect safety devices fitted to all motors. Clean, adjust, lubricate, repair / replace as necessary.

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- h. Inspect all seals for leakages. Repair / replace as necessary.
- i. Adjust, re-pack and replace pump glands as necessary.
- j. Inspect each pump/motor alignment, mountings and correct rotation. Adjust or replace as necessary. .
- k. Inspect all rubber couplings between pumps and drive motor. Replace as necessary.

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- l. Inspect all belt drives. Adjust and retension. Replace as necessary.
- m. Inspect and tighten all bolts and nuts. Replace as necessary.
- n. Inspect and test pressure switches and gauges. Repair / replace as necessary.

ii. Control Panel

- a. Inspect the condition of the panel and its housing. Repair / replace as necessary.
- b. Inspect and test the control wiring and circuitry. Retighten, repair / replace as necessary.
- c. Inspect electric pump starter operation, ensure that the starting sequence is correct. Repair / replace as necessary.

- d. Inspect the operation of selector switches. Repair / replace as necessary.
- e. Inspect the operation of auto-manual selector switches. Repair / replace as necessary.
- f. Inspect the operation of stop-start buttons, Repair / replace as necessary.
- g. Inspect indicating light for trip and run. Replace as necessary.

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- h. Inspect indicating light for pump on auto and pump manual. Replace as necessary.
- i. Inspect ammeter and voltmeter. Replace as necessary.
- j. Inspect and retighten all loose connection of all electrical contactors.
- k. Clean and replace electrical contactors as necessary.

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- l. Replace electric fuses as necessary.
- m. Inspect the condition of the conduits, supports and wires. Replace as necessary.
- n. Inspect/replace indicating bulbs and covers.

Piping and fittings

- a. Inspect the condition of every pipe. Repair / replace as necessary.
- b. Inspect the condition of the pipe supports, brackets, pipe sleeves and piping joints. Repair / replace as necessary.
- c. Inspect the condition of every valve and fitting. Repair / replace as necessary.

- d. Inspect and clean strainers. Repair / replace as necessary.
- e. Inspect for correct labelling. Clean, repair / replace as necessary.
- f. Inspect plumbing, pipe-works & fittings and pipe supports. Repair / replace as necessary.

Landing valves, hoses, nozzles, etc.

- a. Inspect that the landing valve, canvas hose are obstruction free.
- b. Inspect any missing, damaged or deteriorated parts on the landing valve, canvas hose, diffuser nozzle. Repair/replace as necessary.
- c. Inspect the ease of operation and swing of each cradle. Adjust, repair / replace as necessary.

- d. Inspect for any leaks/drips at the landing valves and gate valve. Repair / replace as necessary.
- e. Ensure that each of the landing valves is complete with the blank cap, chain and the hand wheel. Repair / replace as necessary.

- f. Ensure that the diffuser nozzle & landing valve hand wheel can be operated freely. Repair / replace as necessary.
- g. Ensure the hose is not twisted or curled.
- h. Test canvas hose for leakage. Replace as necessary.
- i. Inspect and test system for leaks. Repair / replace as necessary.