V-TUF

H6.500 / H6.501

V-TUF DUST DAMPER - INDUSTRIAL DUST SUPPRESSION CANNON

Please read this document before using the H6.500 or H6.501

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H6.500/H6.501 - Maintenance & Inspection Checklist

Daily (or Before Each Use)

1. **Visual inspection of the nozzle and spray components**
    - ✓ Check to see that all jets are spraying: If they are not, unscrew the jet and clear clogs, debris, algae, or buildup, then flush the system through and replace the clean jets. Nozzle blockages are common and should be addressed promptly.

2. **Check pressure washer input**
    - ✓ Verify inlet pressure (min. 15MPa) and flow (min. 15L/min).

3. **Assess water quality**
    - ✓ Use clean water to minimise sediment or buildup in tubing or nozzles.

4. **Examine hoses and fittings**
    - ✓ Inspect connections for leaks, wear, or damage - especially critical under high pressure.

5. **Check adjustment mechanisms**
    - ✓ Ensure the swivel base and pitch locks operate smoothly and securely without excessive play.

Weekly

1. **Performance validation**
    - ✓ Confirm spray pattern and mist projection remain consistent across intended range

2. **Check for wear or corrosion**
    - ✓ Inspect base, fittings, and trolley (if present) - note any signs of corrosion or structural wear.

3. **Functionality test under load**
    - ✓ Operate under normal pressure for short duration - listen for leaks, irregular sound, or performance drop.

Monthly

1. **Full system review**
    - ✓ Evaluate overall performance and inspect gear, post-wear, or exposure.

2. **Record inspection data**
    - ✓ Log key metrics - inlet pressure/flow, nozzle condition, any adjustments made.

3. **Assess stability & mounting**
    - ✓ Ensure trolley brake (if present) and anchor points are secure and intact.

Semi-annually (6-Month Check)

1. **Lubricate moving parts**
   - ✓ Grease swivel joints and locking mechanisms as per general machinery maintenance recommendations.

2. **Thorough cleaning**
   - ✓ Flush lines and nozzles. Consider disassembling small components to remove buildup.

3. **Detailed structural check**
   - ✓ Inspect welds, bolts, framework for signs of fatigue or damage.

4. **Compare performance data**
   - ✓ Review logged values (pressure, flow, mist coverage) to detect any degradation over time.

Annually

1. **Comprehensive safety audit**
   - ✓ Review mechanical integrity of the trolley, base, pins, and locks. Check for loosened bolts or compromised welds.

2. **Corrosion and deterioration check**
   - ✓ Inspect surfaces exposed to water mist for rust or material degradation.

3. **Filter and component replacement**
   - ✓ Depending on usage, replace nozzle, hoses, or seals showing wear.

4. **Update operator training & documentation**
   - ✓ Ensure staff are trained on safe setup, operation, and maintenance - including winterisation or storage procedures.

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