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| Control valve Maintenance Checklist |

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| **Date:** |

|  |  |  |  |
| --- | --- | --- | --- |
| Valve type: |  | Tag no: |  |
| Size & Class: |  | Manufacturer: |  |
| Tag Number: |  | Location: |  |

# **Visual Inspection:**

|  |  |  |  |
| --- | --- | --- | --- |
| **SL.no** | **Check** | **Done** | **Comment** |
| 1. | Check for Name plate |  |  |
| 2. | Check for Tag no. on the valve |  |  |
| 3. | Check for leaks at Valve hand |  |  |
| 4. | Check leaks in flanges |  |  |
| 5. | Check for body leak |  |  |
| 6. | Check that the yoke clamp bolt is not loose |  |  |
| 7. | Air leakage from pneumatic components |  |  |
| 8. | Actuator shaft condition |  |  |
| 9. | Air leakage from pneumatic components |  |  |
| 10. | Condition of the valve stem and stem nut connector |  |  |

# **Maintenance check:**

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| --- | --- | --- | --- | --- |
| **Sl.no** | **Check** | | **Done** | **Comment** |
| 1. | **Seal & Seat** | Seat leakage test at high pressure (Annually) |  |  |
| 2. | Check the rubber seals for cracking or for other sign of deterioration |  |  |
| 3. | Check for seal retainers and bolts |  |  |
| 4. | Check seal seats, wallplates, gate sills |  |  |
| 5. | **Valve body** | Check for corrosion, crack and damage |  |  |
| 6. | Check interior for cavitation errosion |  |  |
| 7. | Check for lubrication to bearing and oil level of gear box |  |  |
| 8. | **Check & Replace** | Check stem & trim condition |  |  |
| 9. | Replace soft goods, for example, gaskets, packing, diaphragms, seals |  |  |
| 10. | Bearing surfaces |  |  |
| 11. | Bolting or stud holes |  |  |
| 12. | Valve Stem |  |  |
| 13. | Electrical connections |  |  |
| 14. | Stuffing box |  |  |
| 15. |  | Check the actuation performance |  |  |
| 16. |  | Piping system: Remove corrosion |  |  |

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| Name: Designation: Sign: |