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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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **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: |