**Steam System Operation Status Questionnaire**

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Hello, thank you for your inquiry!Newtown is a professional steam system energy saving company, providing the most effective and long-lasting steam system energy saving solutions for industrial steam energy users.We have a whole line of VMV products, including steam trap, pressure reducing valve, temperature control valve, condensate recovery pump, water hammer eliminator, temperature and pressure reducer, etc.

To ensure that you are prepared for steam energy saving analysis of your enterprise, please fill in the questionnaire.

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| --- | --- | --- |
| 1. **Overview**
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| Steam Source | Self Generated | Out Source |
| Steam Production | Boiler Qty: Steam output: （t/h）Annual steam consumption: （t/y） | Steam pressure（MPa） Steam temperature（℃） Steam main line diameter DN  |
| Steam Purchase Quantity | N/A | Average flow rate: （t/h）；Annual Consumption （t） |
| Main steam parameter | Is the steam main line equipped with a pressure reducer? Yes: No:  |
| Steam parameters after pressure reducer？（MPa、℃、t/h）  |
|  |
| Pressure loss of steam pipe network | （Loss of pressure units MPa）（Has the client done any tests？） |
| Pipeline drainage | Is the condensation point and condensation mode correct? |
| Pipe network integrity and insulation condition | Is the condensate recovery network complete?What material is the main steam line used for insulation and what is the surface temperature of the pipeline? |
| 1. **Steam usage**
 |  |
| Steam Powered Equipment | The production equipment and process. |
| Steam Equipment, System Process and Parameter Diagram | Provide system process drawing |
| Heat-exchange Equipment | Whether a water trap is installed？ Whether need to open the bypass valve frequently？Flow chart of condensate discharge process；Operation of ancillary equipment (whether there is water hammer, large pressure fluctuation, and steam in water) |
| Condensate System | Provide the main condensate pipe network diagram, local pipe network diagramWhether a collecting tank is installed？If any flash steam vented？Condensate recovery equipment configuration and process flow chart |
| Pipeline heat tracing | Discharge condition, whether there is gas phenomenon？Has the condensate been recovered? What process is used for recycling? |
| 1. **Problem Analysis**
 |  |
| Steam pipe network |  |
| Heat-exchange |  |
| Condensate Discharge |  |
| Condensate Recover |  |
| Low temperature heat utilization and recovery |  |
| 1. **Feedback**
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| Steam pipe network |  |
| Heat-exchanger |  |
| Condensate System |  |
|  |  |
|  |  |

**Appendix**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Equipment | The heating volume or heat exchange area of equipment | Performance Period | Steam Consumption | Steam Trap |
| Daily operating hours | Annual operating days | Steam Pressure (MPa) | Max Steam Consumption (t/h) | Average Steam Consumption (t/h) | Model | Qty | Using Condition |
| 1 |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |