How to Use the Steam Trap Selection Tool

Welcome to the Steam Trap Selection Tool! This guide will walk you through the steps to effectively use the tool and understand its outputs.

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Accessing the Tool

1. Open your web browser and navigate to the application URL.
2. Log in using valid credentials:

User Inputs

The tool allows several inputs to filter and identify suitable steam traps. The available options include:

1. Differential Pressure (psig)

- Enter the pressure difference across the steam trap.
- Default value: **30 psig**

2. Estimated Capacity (#/hr)

- Provide the estimated steam load in pounds per hour.
- Default value: **30 #/hr**

3. Max Operating Pressure (psig)

- Define the maximum pressure the steam trap will experience.
- Default value: **25 psig**

4. Connection Sizes

- Select one or more connection sizes for the steam trap.
- Available options: `0.375"` to `4"`

5. Body Material

- Choose from available body materials.
- Options: `Carbon Steel`, `Stainless Steel`, `Cast Iron`

6. Connection Types

- Specify the type of connection required.
- Options: `THD`, `SW`, `FLG`

7. Trap Type

- Select the trap type best suited for your system.
- Options: `Float & Thermostatic`, `Thermodynamic`, `Thermostatic`, `Inverted Bucket`, `Bimetallic`

8. Additional Filters

- Check applicable filters such as `Universal Trap`, `Integral Strainer`, `Blowdown`.

How to Use the Interface

1. Default Values will show in the user inputs, but you must make an update to run the tool.
2. **Enter your parameters** using the provided input fields.
3. The results will automatically update based on the provided inputs.
4. **View the results** in the output section. The displayed table will include:
   - Recommended Steam Trap Model
   - Estimated Capacity at Given Conditions
   - Available Sizes, Materials, and Connection Types
   - Trap Type and Max Operating Pressure
   - A link to the Trap Information (TI) Sheet

Understanding the Results

- If a steam trap meets the selected criteria, it will appear in the results table.
- If no traps match, a message will indicate that no suitable options are available.
- Clicking the **TI Sheet** link provides detailed specifications for each trap.