

Pump Inventory User Manual

Created By: Oak Ridge National Laboratory

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Table of Contents

Module Navigation..... 3

 Main Tabs..... 3

 Additional Buttons 3

Setup 4

 Navigation 4

 Pump Properties 5

 Catalog 6

Summary 7

Module Navigation

Use the top banner to navigate around the module. A footer bar with “Next” and “Back” button can also be used to move through the Setup.



Main Tabs

Setup – Create your pump inventory.

Summary – Reports and visuals of your inventory.

Additional Buttons

Lock – The lock will direct you to MEASUR’s Privacy Notice.

Book – The book will open a new window with the Pump Inventory User Manual you are reading.

Gear – The gear wheel will navigate you to MEASUR’s global settings page.

Folder – The folder will navigate you to the assessment dashboard folder this assessment is in.

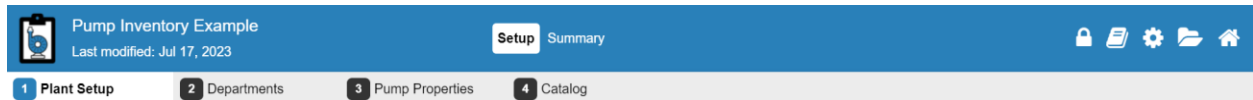
Home – The house will bring you to MEASUR’s home page.

Setup

The system setup is where you enter the baseline data for your facility. The system setup is broken up into four tabs, each with a related set of input fields to be filled out. Field-by-field help text is provided for each input field, it will appear in the help panel when an input field is clicked on.

Navigation

Use the second bar to navigate to different sections of the Setup. The tabs will be color coded to indicate the state of the corresponding tab data. Tabs will be disabled if the previous steps have errors in their data.



Plant Setup – Select the units of measure to be used for the inventory.

Departments – Setup departments that each pump will belong to.

Pump Properties – Chose which pump fields to include in your inventory catalog.

Catalog – Data entry area in which you add the pumps and their properties for each department.

Tab colors:

Green – Valid data entered for tab.

Red – Invalid or missing data entered for tab.

Yellow – Data entered outside of expected range.

Gray – Disabled tab, previous tabs are incomplete.

Pump Properties

Select the pump properties you want to track in your inventory catalog. An exhaustive list of properties is provided and turned on by default. Only a few are required for the catalog, and a few others are required for the Pump Assessment. Those required properties are indicated in the application.

Help text in the panel on the right will give a description of any property that is clicked on.

The properties are broken up into like sections, toggle entire sections on/off with the slider on the right side of the section label.

SELECT PUMP PROPERTIES

Select pump properties you want to track in your inventory catalog.

NAMEPLATE DATA ☒

- ☒ Manufacturer
- ☒ Model
- ☐ Serial Number

PUMP ☒

- ☒ Pump Type
- ☐ Shaft Orientation
- ☐ Shaft Seal Type
- ☒ Number of Stages
- ☒ Inlet Diameter
- ☒ Outlet Diameter

HELP

Pump Properties Help
Select pump properties you want to track in this pump inventory.

Catalog

The “Catalog” is where you add and manage your pump. There will be a tab representing each department that is added in the “Departments” tab.

EDIT PUMP Delete

Pump Name: Pump A
Description: Main pump

NOTES
Add additional information for your equipment

This item can be connected to pump assessment System Setup data [Create Assessment From Item](#)

NAMEPLATE DATA

Manufacturer: Pumps inc.
Model: A

PUMP

Pump Type: End Suction ANSI/API

“Create Assessment From Item” will allow you to create a new Pump Assessment with your entered values carried over. Changing shared values between a connected Pump Inventory and Assessment will give a warning.

MOTOR

Connect an Existing Motor Inventory

Select Inventory:
Select Motor Item:

Line Frequency: 60Hz
Efficiency Class: Standard Efficiency
RPM: 2000 rpm
Rated Power: 300 hp
Rated Voltage: 460 V
Full-Load Amps: 389.08 A

You can also connect your Pump Inventory to an existing Motor Inventory using the “Connect an Existing Motor Inventory” form.

The right-hand panel has the “Department Catalog”, all the pumps added to that department. Here you can add new pumps, delete existing pumps or select them to make changes.

DEPARTMENT CATALOG				HELP		
Name	Op. Hours (hrs/yr)	Pump Type	Pump Status	Rated Speed	Design Efficiency	
Pump A	8760	End Suction ANSI/API	Out of service	2000	65	
Pump B	8760	End Suction Stock	In service	1500	85	
+Add New						

Field by field help text is also found in the right-hand panel under the “Help” tab. As input fields are clicked the panel will update with corresponding help text.

DEPARTMENT CATALOG **HELP**

Pump Catalog Help

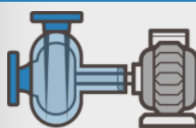
Add pumps and fill out the property information for departments.

Pump Equipment

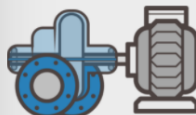
Pump Type

Pump Type represents what style of pump is being used based off of the listings in the standard ANSI/HI 1.3-2000. This value will be used to estimate achievable pump efficiencies based on pump style and operating conditions.

Overhung Impeller

	End Suction Slurry End Suction Sewage (and Submersible)	Slurry pumps, end suction Solids-handling, end suction (Submersible)
	End Suction Stock End Suction ANSI/API	Stock, end suction
	Large End Suction	End suction - small, API end suction, ASME B73 End suction - large (>5000 gpm)

Between Bearings Impeller

	Multistage Boiler Feed API Double Suction Double Suction	Horizontal multistage pumps, axially split, segmented ring diffuser barrel API Double suction Double suction
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Summary

The summary provides a space to view all of your pumps together. It provides table and graphical representations of the individual pumps and department summaries.

Use the dropdown filters to adjust which pumps are included in the summary.

Department ▾	Pump Types ▾	Motor Rated Power ▾	Status ▾
Overview	Graphs	Table	

- Overview: Cost, energy use and emissions breakdowns of pumps and departments.
- Graphs: Bar or pie charts representing the number of pumps having each pump property.
- Table: A table that can be copied to clipboard with all the pumps selected and their properties.