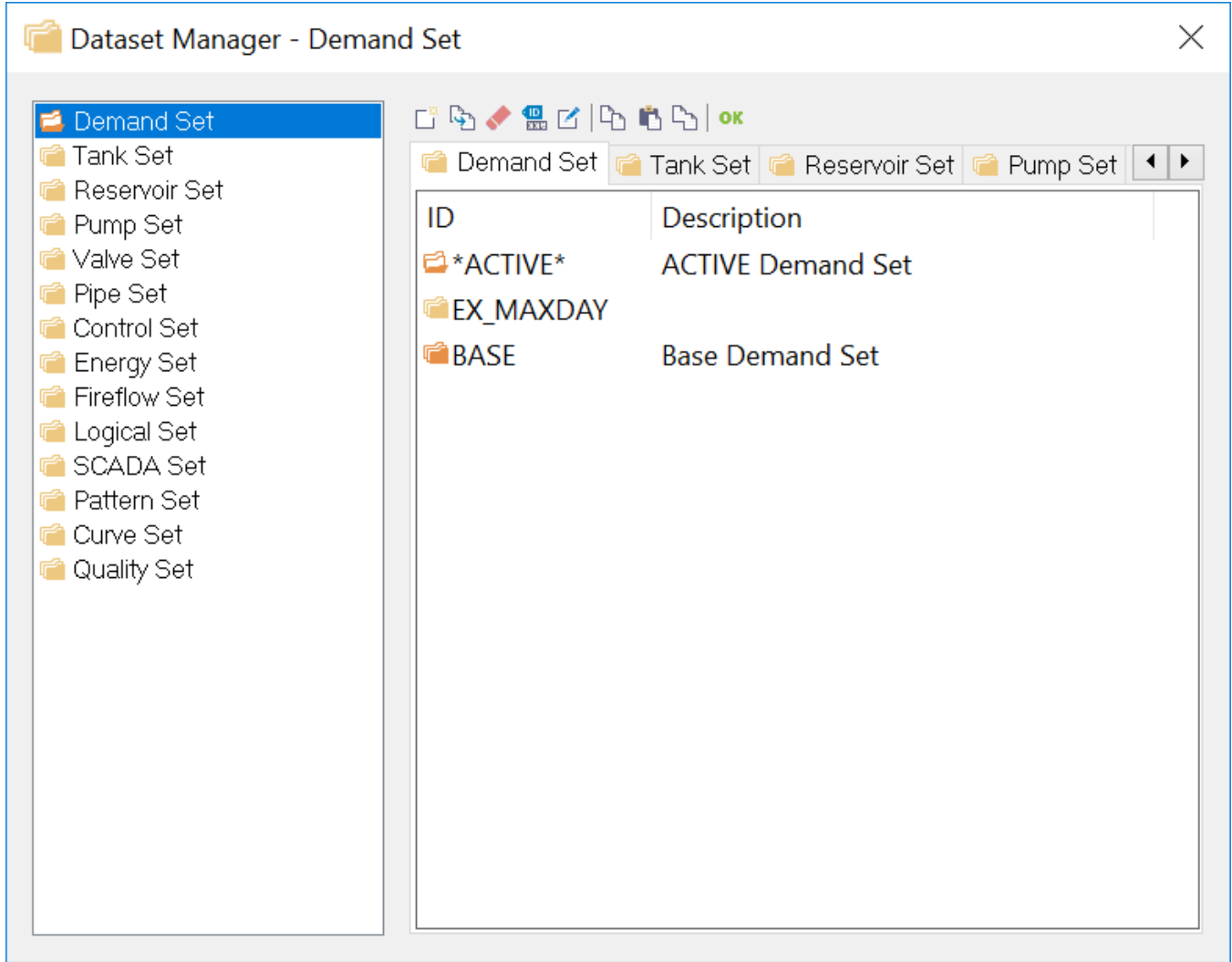





Dataset Manager


The **Dataset Manager** allows the user to create, edit, clone, copy, and delete datasets in a single location.

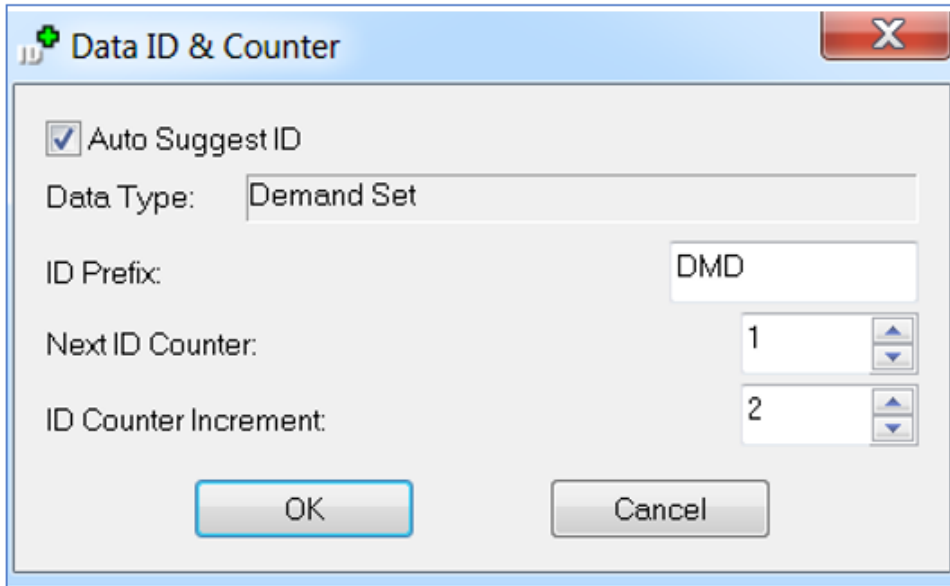
To do any operations about datasets, go to the Model Explorer, click the Command Center tab on the bottom, navigate to the Scenario group, and click the Dataset Manager.



Data Set Icons






-  New - Creates a new folder.
-  Clone - Clones the existing folder to a new folder.
-  Delete - Deletes the folder from the dialog box. Pack will permanently delete the folder from the hard disk (unless autopack is turned on).

-  ID Counter - Use this to specify the ID options as shown below:



The dialog box titled "Data ID & Counter" has a close button (X) in the top right corner. It contains the following fields and controls:

- Auto Suggest ID
- Data Type: Demand Set
- ID Prefix: DMD
- Next ID Counter: 1 (with up/down arrows)
- ID Counter Increment: 2 (with up/down arrows)
- OK button
- Cancel button

-  Edit Description - Edits the description of the folder.
-  Copy - Copies the contents of one folder to a buffer file. The buffer remains in place until either the replace or merge icons are initialized.
-  Replace - Replaces the contents of one folder with the contents of a buffer file created from the copy command.
-  Merge - Appends the contents from a file being copied to the highlighted folder.
-  OK - Saves all changes and exits the dialog box.

Data Set ID and Description

The ID and Description displays the ID and Description of the currently defined data sets. The currently active data set folders will be indicated by a red check mark before the folder ID.

Data Sets

- **Demand Set** – Modeling data associated with junction nodes. Demand sets are used to save modeling data on junction node demands and demand pattern identifiers and retrieve those data as part of a scenario. The only attributes stored in a demand set are the baseline demands and the associative pattern. The Auto-Demand Reset preference governs how demands are assigned when activating demand sets.
- **Tank Set** – Modeling data associated with storage nodes. Tank sets are used to save modeling data on storage nodes and retrieve those data as part of a scenario. Tank sets contain modeling information including type of storage node (tank, fixed-grade reservoir, variable head reservoir, and variable-area tank) and related storage node characteristic data such as bottom elevation, initial water level, tank dimensions including diameter, minimum and maximum levels, minimum volume, curves defining variable area tanks, and patterns defining grade in variable-head reservoirs.
- **Pipe Set** – Modeling data associated with pipes. Pipe sets are used to save modeling data on pipes and retrieve those data as part of a scenario. Pipe sets contain modeling information including pipe diameters, lengths, roughness coefficients, minor loss coefficients, and presence or absence of check valves and flow totalizers.
- **Pump Set** – Modeling data associated with pumps. Pump sets are used to save modeling data on pumps and retrieve those data as part of a scenario. Pump sets contain modeling information including pump curve type and pump curve parameters.
- **Valve Set** – Modeling data associated with control valves. Valve sets are used to save modeling data on control valves and retrieve those data as part of a scenario. Valve sets contain modeling information including valve type and related valve characteristic data such as pressure setting for PRVs, flow setting for FCVs, tank grades for float valves, etc.
- **Control Set** – Initial link status (open, closed, setting) and any operational control rules defined at the time the control set was created. Controls apply to links, pumps, and valves.
- **Energy Set** – Energy data for pumps including pump efficiency, energy charging rate patterns, and demand charge patterns.
- **Fireflow Set** – Fireflow demands for junction nodes.
- **Logic Set** – Logical controls used for rule based logic controls. Logical controls are created and maintained with the Rule-Based Control command (See **InfoWater Pro Model Explorer->Command Center-> Edit -> Rule-Based Control**). Use the Edit Logic Set to store logical controls in a logic set and to maintain those logic sets.
- **Quality Set** – Water quality modeling parameters including quality source nodes, initial water quality at junction and storage nodes, and reaction rate coefficients for pipes and tanks. Water quality parameters are maintained with the Create, Edit, or Edit Group commands. Use the Edit Quality Set command to create and manage quality sets.

- **Reservoir Set** - Modeling data associated with Reservoirs. Reservoir sets are used to save modeling data on reservoirs and retrieve those data as part of a scenario. Reservoir sets contain modeling information including type of storage node (fixed-grade reservoir or variable head reservoir) and related storage node characteristic data such as head and patterns defining grade in variable-head reservoirs.
- **Curve Set** - All Curves data in the InfoWater Pro project.
- **Pattern Set** - All pattern data in the InfoWater Pro project.
- **SCADA Set** - All the SCADA information for the InfoWater Pro project.