



KPIWorX

Creating KPIWorX Symbols



APPLICATION NOTE

October 2015

Description: A set of guidelines to follow when creating a symbol for use in KPIWorX.

Introduction

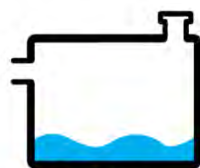
KPIWorX provides a way for the user to create Self-Service Dashboards, which run on any ICONICS Platform and product. It allows users to visualize any data on the fly. Many symbols come built into the product.

If users need to generate custom symbols for use in KPIWorX, they can follow the guidelines described below.

Layout Template to Follow

All symbols should fit inside a 300 x 300 pixel square within GraphWorX. (You can always zoom in within the display to make detailed edits as needed.)

For symbols that have a “square” shape or symbols that have a landscape/horizontal orientation, each symbol’s elements should be organized as follows:



Tank 2 Volume
18.2 L

←Subtitle (optional)
←Data Value with Units

For symbols that have a portrait/vertical orientation, use the following template instead:



Total Volume:
95.8 gal.

←Subtitle (optional)
←Data Value with Units

The subtitle and data labels and data values themselves should use very similar font sizes – if not the exact same font size – throughout the library. Also, the “data value with units” line should be at least as large as, if not larger than, the “subtitle” line.

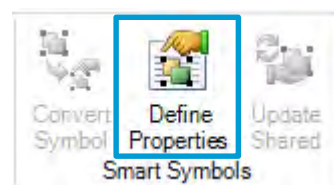
Smart Properties to Include

To provide as much configuration flexibility within KPIWorX as follows, each symbol designed for this app should contain the following smart properties, listed here by suggested smart property category name:

- **General:** Subtitle, ThemeColor (“Subtitle” should be empty by default)
- **Data:** DataSource, NumDecimalPlaces, Units (“DataSource” may be empty by default)
- **Limits:** LowLimit, HighLimit, MinValue, MaxValue

NOTE: For symbols whose “data source value range” differs from the range indicated on the symbol itself, the most “extreme” values (i.e. the ones that appear on both edges of the symbol) should be specified within the MinValue and MaxValue properties.

Users can edit a symbol’s smart properties by selecting the symbol, then choosing the “Define Properties” command from the Dynamics ribbon, as shown below:



Symbols that serve more specific purposes can, of course, have additional smart properties beyond the set of properties recommended above.

Color Scheme & Style

Symbols within the same symbol library category in KPIWorX are designed to be used interchangeably, so it’s important to use a consistent (or at least compatible) color scheme (i.e. “theme color” and “accent color” combinations) and to use the same visual style (e.g. flat, colorful, 3D) across each of the symbols within a given category that is created.