

# SysQue v7.0

This document provides information about new features and modifications in the latest release of Trimble® SysQue®. More detailed information can be found in the online help system [here](#).

## Introduction

These release notes describe the features and enhancements that are new for the major installer release dated 2019-08-05. For additional assistance, please email [mepsupport@trimble.com](mailto:mepsupport@trimble.com) or call 1-800-234-3758.

To download the latest release, log into SysQue support forum [here](#).

## Compatibility

### Autodesk software

This release of SysQue is compatible with the current releases of Revit versions 2017, 2018, 2019, and 2020. Please note, support for Revit 2017 will be sunset at the end of this year.

\*\*Please also ensure that you have Dynamo v1.3 or higher installed if using Dynamo. SysQue is not compatible with Dynamo versions lower than v1.3.

### Windows

SysQue is compatible with Microsoft® Windows® versions 7, 8, and 10.

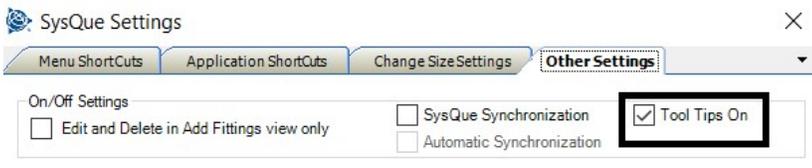
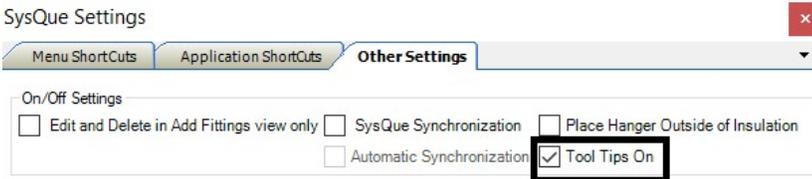
### Backwards compatibility

Digital models produced in Revit & SysQue cannot be saved to or opened in prior year versions.

## New Features, Enhancements, and Updates

<p><b>Summary of Improvements &amp; Business Value</b></p>	<p>The SysQue v7.0 release is compatible with Revit version 2020.</p> <p>This release contains improvements to the Duct, Electrical, Pipe, Spooling, and PAC applications in SysQue. New duct content has also been added to the SysQue application. Also, several bug fixes have been implemented into SysQue in this release. Last, SysQue’s cloud database has been optimized for performance improvements.</p>
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Version: 7.0  
Date: August 2019

	As a result of these changes, SysQue is faster, more reliable, more feature rich, and easier to use across multiple areas of the application.
<b>Supports</b>	No new changes to the Supports application except for bug fixes as noted below.
<b>BOM</b>	No new changes to the BOM application.
<b>Submittals</b>	No new changes to the Submittals application.
<b>Pipe</b>	<p>The following improvements have been made to the Pipe application:</p> <ul style="list-style-type: none"> <li>User settings in the Pipe application now contains the option to turn Tool Tips on or off on the Pipe pallet. When off, tool tips will not be displayed when hovering your cursor over Systems content.</li> </ul> 
<b>Duct</b>	<p>The following improvements have been made to the Duct application:</p> <ul style="list-style-type: none"> <li>User settings in the Duct application now contains the option to turn Tool Tips on or off on the Duct pallet. When off, Tool Tips will not be displayed when hovering your cursor over Systems content.</li> </ul>  <ul style="list-style-type: none"> <li>The Duct pallet has been updated as follows: <ul style="list-style-type: none"> <li>The <b>Category</b> tabs have been relocated above Systems and are now a dropdown menu.</li> <li>New tools and commands have been added to the pallet. They are detailed below.</li> </ul> </li> <li>The <b>Move</b> and <b>Move End</b> commands have been collapsed into a single command. Users may move a piece left or right as well as to the left end or right end of a run using the arrows in the new Move command.</li> </ul>  <ul style="list-style-type: none"> <li>The <b>Adjust Short</b> menu has been expanded to include the following options:</li> </ul>

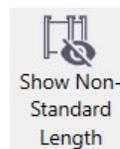
- **Make Full Length** for a short piece of Duct now includes two options:
  - 1) **Adjust Adjacent Run Only**, which, when selected, adjusts the length of the run containing the short and between fittings only, or
  - 2) **Move Entire Connected Run**, which, when selected, will make the short piece full length and leave all other pieces in its connected run as-is, thereby moving the entire connected run.



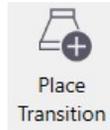
- **Remove Short** for a short piece of Duct now includes two options:
  - 1) **Adjust Adjacent Run Only**, which, when selected, adjusts the length of the run containing the short and between fittings only, or
  - 2) **Move Entire Connected Run**, which, when selected, will remove the short piece and leave all other pieces in its connected run as-is, thereby moving the entire connected run.



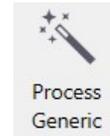
- A new **Show Non-Standard Lengths** command has been added to the Duct pallet. When clicked, this command creates a Filter in the User's Revit project instance automatically and shows all Duct pieces in the User's current view that are non-standard length. When clicked again, the Filter is disabled (but not removed).



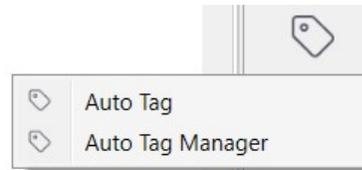
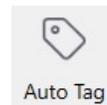
- A new **Place Transition** command has been added to the Duct pallet. Similar to the **Place Fitting** command under a fitting's menu, when selecting two pieces of Duct of different size, offset, and/or axis-orientation and then selecting the Place Transition command, a Fitting will be used to connect the two pieces of Duct.



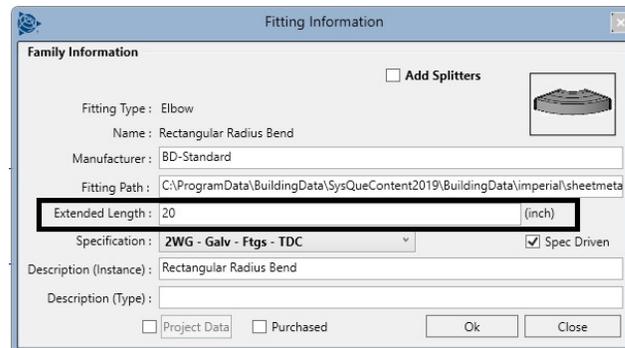
- The **Process All** command has been moved onto the Duct pallet and renamed **Process Generic**. The purpose of this command is to update all generic Duct parts in the User's model and that were initially drawn outside of SysQue.



- A new **Auto Tag** feature has been added to the Duct pallet that enables Users to do the following:
  - When selecting the **Auto Tag command**, tags are placed onto Duct selected by the User.
  - In **Auto Tag Manager**, select from pre-built tag families and configure how tags are placed onto Duct pieces when annotated. Define rules for how tags are placed onto Duct Straights and Fittings.



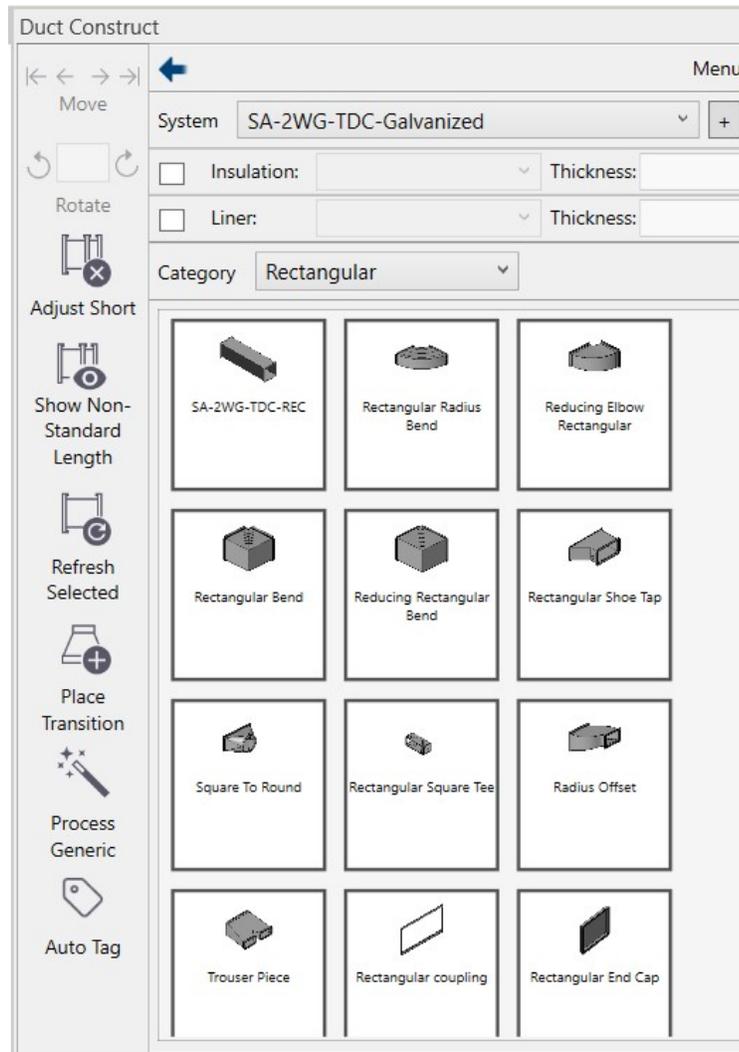
- An **Extended Length** setting has been added back to the Edit menu when editing any Duct fitting. When set, this value is used to define the maximum extendable length for a fitting.



- When using the **Extend Fitting** command under the **Adjust Shorts** menu, if the fitting would be extended beyond the length defined in the fitting's Extended Length menu, then the User is prompted with the following options to select:

- **Use Maximum Extended Length**
  - Use the extended length setting for the fitting
- **Override Maximum Extended Length**
  - When selected, ignores and overrides the extended length parameter
- **Cancel**
  - Cancel and take no action

Below is a screenshot of the updated Duct pallet:



- Rectangular Duct Flange families are re-categorized as face-based when connecting to fittings such that, when moving a run of duct that contains a non-90-degree bend fitting, only that segment of the run is moved. This helps with reducing movement of Duct runs containing non-90-degree angles when adjusted (no more pinning needed).
- When dragging Duct fittings off of the Duct pallet, the actual SysQue Duct fitting is shown to the User in place of the Revit generic fitting.

	<ul style="list-style-type: none"> <li>The new Duct pallet commands have been added to the Duct application's shortcut menu such that Users can create keyboard shortcuts for each of the commands. They include: <ul style="list-style-type: none"> <li>Process Generic</li> <li>Make Full Length</li> <li>Remove Short</li> <li>Extend Fitting</li> <li>Refresh Selected</li> <li>Show Non-Standard Length</li> </ul> </li> </ul>
<p><b>Electrical</b></p>	<p>The following workflow improvements have been made to the Electrical application:</p> <ul style="list-style-type: none"> <li>Just as in the Duct application, Electrical Users can draw off of existing Conduit runs via the Draw Conduit command or using the Revit Trim command. The system used on the initial run is applied to the new run / conduit added to the existing run.</li> <li>Conduit ID, Conduit information (to/from, voltage, etc.), and project parameters used in the existing run being drawn from are automatically applied to any new Conduit added to an existing run.</li> <li>New Service Types have been added to Conduit (please refer to the application for the new list).</li> </ul>
<p><b>PAC</b></p>	<p>The following improvement has been made to the PAC application:</p> <ul style="list-style-type: none"> <li>Users now can group PAC items that are identical and view the Quantity of grouped, identical items. This feature does not consider item number. A User would simply click the below option to group Identical items in PAC:</li> </ul> <div data-bbox="721 1236 1192 1661" data-label="Image"> <p>The screenshot shows a 'Dashboard' window with the following content: 'Current User: 2019@construct.com', 'Cloud Network Connection Status: Connected', and a list of checkboxes: 'Include Item Processed Previously (these will be highlighted in grid)', 'Filter By Group Number', 'Add Job Information to Processed Tag' (checked), 'Locate Item by Item Number', and 'Group by Identical Item' (highlighted with a black box).</p> </div> <ul style="list-style-type: none"> <li>Several PAC images have been updated on the PAC page to provide more geographical information about each fitting. They include: <ul style="list-style-type: none"> <li>Round Gored Offset</li> <li>Round Reducer</li> <li>Square Tee</li> <li>Rectangular Transition</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>○ Rectangular Shoe Tap</li> </ul>
<b>Spooling</b>	<p>The following improvements have been made to the Spooling application:</p> <ul style="list-style-type: none"> <li>• The performance of synchronizing spools has been improved such that Users will now be able to synchronize their central models more quickly.</li> </ul>

## Bug Fixes:

- When renaming a spool sheet, the checkbox indicator next to the spool on the SysQue Spool pallet was removed. This has been fixed in this release such that Users can rename a SysQue Spool Sheet and still see the checkbox next to the spool in the Spool pallet.
- Issues with placing valves onto piping have been corrected in this release. This includes placing multiple valves onto different sized Pipe at once.
- When moving a short piece of Duct to the end of a run via the **Move to End** command, taps connected to the Duct run were being disconnected. This has been fixed in this release.
- The following fixes have been implemented for the Rotation Command on the Duct pallet:
  - Commas as a separator were not working and can now be used in the Rotation Command box.
  - Users now see a cursor when selecting into the Rotation value on the Duct command so that they know they may type a value into the Rotation Command box.
- When selecting **For you only** when disabling a Duct fitting on the Duct pallet, then re-enabling the fitting, the fitting was being re-enabled for all Users having the Duct fitting disabled. This has been fixed in this release such that disabling and enabling any duct fitting can only be re-enabled by the User who has disabled it.
- The following fixes have been applied to the **Piping** application in Revit version 2017:
  - When drawing with a Welded system, Tees were not processing. This has been fixed.
  - The takeoff command was not working for Tees or Elbows. This has been fixed.
  - The Draw Pipe command was not using SysQue systems / content when drawing additional Piping onto an existing run. This has been fixed.
- In **Piping**, when using the **Trim command** in Revit, Welds were not being placed properly for welded systems. This has been fixed.

## Legal Notices

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## Release Notice

This is the August 2019 release of the Release Notes. It applies to version 7.0 of the SysQue software.

It pertains to the release noted elsewhere in this document. The topics within this document are subject to change without notice. Screenshots included may not be exactly as in the software application.