

Sumo version 16

Known issues, please read carefully:

- 1) **Upgrading** from previous versions: Existing Sumo configurations, models, options and process units may not be completely compatible with previous Sumo versions. Please pay attention to the message pane during loading an older configuration into Sumo16. We advise to write a report from the older version before uninstalling, from which the new configuration can be readjusted in case of changed options. We offer support for upgrading older configurations.
- 2) **Steady state** solvers are under development. Clicking the 'Calculate Steady-state' button in 'Simulate' mode works well for most projects and might fail or take too long for more complex ones. If this happens we advise to perform long-term dynamic simulations with constant inputs to reach steady-state conditions.
- 3) Sumo16 does not support **changing the Configuration or Model Options** while a model building is ongoing.
- 4) When running a **long term** (e.g. 1 year) dynamic simulation with dynamic influent data, it is best to not use the **linear interpolation** feature. Sumo will use more memory and slow down using interpolation between datapoints.
- 5) The **Design Mode** is a demonstration feature only, showing that Sumo can handle textbook and spreadsheet calculations as well, not only dynamic simulation. It is not intended for full plant design.
- 6) Dynamic data must always have an **entry at t = 0**.
- 7) The **Manual** is in beta format and may not completely synchronized with this version. Please contact us for an updated version.

Add-ons available for this release (please write to support@dynamita.com):

- Mobile carrier and Wanner-Reichert biofilm model
- Controllers (SRT and DO controllers are already in the base package)
- Sewer trunk and odor model (iron and nitrate addition)
- Scripting examples for scenarios and sensitivity analysis (Python knowledge required)