

Release notes WANDA 3.72

December 2009

Release announcement

Deltares is pleased to announce the availability of Wanda 3.72. This is the third release in the Wanda 3.7 series, introducing new features and improved functionality.

What's new in WANDA 3.72

Wanda 3.72 is primarily a bugfix release and includes all changes since Wanda 3.71 (released 23 March 2009).

Wanda 3.72 includes the following new features and improvements:

- Windows 7 and 64-bit versions of Windows XP/Vista are now fully supported
- WEC (Wanda External Communication) module improved and New WECDQA44 control component for PLC commissioning (licensed customers only)
- **[WANDA-106]** Improved file saving; Wanda only asks to save the case if something has been changed.
- **[WANDA-107]** Wanda correctly handles read-only files.
- **[WANDA-116]** Control valve (FCV, PuCV, PdCV) test added: recommended $dt < T_{closure}$

Wanda 3.72 fixes the following issues

- **[WANDA-2]** Resizing action table crashes the user interface.
- **[WANDA-5]** Sensor properties are not converted correctly when opening a Wanda 3.70 case.
- **[WANDA-14]** The component-specific output property "Air pressure" of the Vertical non-vented air vessel is incorrectly adjusted for the atmospheric pressure (only in steady calculation).
- **[WANDA-15]** The component-specific output property "Gas pressure" of the Damper/surge vessel is incorrectly adjusted for the atmospheric pressure (only in unsteady calculations).
- **[WANDA-16]** PIDSS and PIDSS_N don't switch on/off properly under special circumstances.
- **[WANDA-95]** V-notch weir improved (in previous versions Initial state Dry could not be changed to Critical during simulation)
- **[WANDA-102]** Invalid Chart window sizes/coordinates in templates.ini file (chart window doesn't show) under some circumstances.
- **[WANDA-108]** Pressure ratio is not calculated in steady states for control valves (FCV, PuCV, PdCV) if initial state is other than 'position'.
- **[WANDA-118]** After starting Wanda, only flowcharter window comes up (problem with Windows Registry permissions).
- **[WANDA-122]** Fixed the shape definition of the Vent inflow/outflow char.; resulted in a crash under some circumstances.

Known issues in Wanda 3.72:

- **[WANDA-103]** Changing the selected components will reset the layout of graphs to default.

Downloading

Wanda 3.72 is available via our wiki support site: <http://wanda.deltares.nl>.

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Installation

Read the separate installation guide to install the Wanda 3 package.

Helpdesk & Support

We have set-up a new service: downloads, FAQ's and additional information will become available via our wiki support site: <http://wanda.deltares.nl>.

Each company gets its own unique account for this wiki support site.

Helpdesk is provided via wanda.support@deltares.nl

Examples

Wanda is delivered with several examples. It is recommended to start with the case "Sewage_engineering" and "Sewage_transient" (typical sewage pipeline system), because these cases contain information about important Wanda features. The other cases are examples of a loading line, a water distribution system, a cooling water system and some control systems. The wiki support site <http://wanda.deltares.nl> contains additional examples and tutorials.

Special notes

Save

Save your work regularly using the Save button, menu "File/Save (as)..." or the Ctrl-S key.

iGrafx file

Wanda writes the data to the iGrafx diagram file (extension wdx) and the Wanda input file (extension wdi). The wdi-file contains all hydraulic data and basic graphical data to reproduce the diagram. The wdx-file is the ordinary iGrafx igx-file.

Shape Library

The shape libraries "Wanda Hydraulic All" and "Wanda Control All" contain all available default and license required components. The shape libraries "Wanda Hydraulic" and "Wanda Control" contain all hydraulic and control components to which you are authorised. The user may configure these galleries. If you delete all shapes from these two galleries, the next time you start Wanda these shape libraries are automatically rebuilt. **Do not remove shapes from "Wanda Hydraulic All" and "Wanda Control All"**. If you have ordered a special (custom-made) component, an additional shape gallery "Wanda Special" is part of the delivery package.