

Sunrise Systems Limited

New Features PIPENET VISION Release 1.31 February 2008

General statement

This is the first service update for PIPENET Vision 1.30, which fixes a few minor problems and includes several new facilities.

Release status

Service update 1.31 for PIPENET Vision Release 1.30, supplied via email or via download from website.

Graphical user interface

A number of changes and minor fixes have been made to the graphical user interface:

1. The maximum pipe size allowed in the Spray/Sprinkler module has been increased from 900mm to 1200 mm (36 inch to 48 inch) by the addition of six new nominal pipe sizes 950, 1000, 1050, 1100, 1150 and 1200 mm (38, 40, 42, 44, 46 and 48 inch).
2. If a mouse is fitted with a mouse wheel then this can be used to zoom and pan the network. The operation is similar to that which is provided in other programs such as AutoCad and Adobe Acrobat (see on-line help for further information).
3. The NFPA format output file (introduced in 1.30) can now be opened by older versions of Word and by Word Pad, whereas previously it could only be opened by newer versions of Word and OpenOffice.
4. Items from the Results page in the Data window can now be copied to the clipboard
5. If complete columns are copied from the Data and Results grids in the Data Window then column heading are copied as well and can be pasted into Excel, for example.
6. When defining a simple pump in the Transient module a reference density for the fluid may be specified (see on-line help for further information). The Standard and Spray/Sprinkler modules also display a reference density (for compatibility) but the density is fixed as being water at normal conditions.
7. A fix is provided to correctly handle leading spaces in library item names.
8. A fix is provided to correctly detect and handle a missing underlay file.

Standard and Spray/Sprinkler calculators

1. The maximum number of inlets and outlets in the Spray/Sprinkler module has been doubled
2. The maximum pipe size allowed in the Spray/Sprinkler module has been increased

from 900mm to 1200 mm (36 inch to 48 inch) by the addition of six new nominal pipe sizes 950, 1000, 1050, 1100, 1150 and 1200 mm (38, 40, 42, 44, 46 and 48 inch).

3. There was a problem with the Spray calculator when the Most Remote Nozzle option was selected **and** an input specification was provided, this should have resulted in a failure because of an over-specification. If this situation is detected in version 1.31 then the GUI produces an error instead of a warning. If the user ignores the error and continues with the calculation then the calculation will fail with an over-specification error.
4. A fix has been provided for a problem with Filters that could lead to incorrect results.

Transient calculator

1. Improvements have been made to the Transfer Function model.
2. When defining a simple pump in the Transient module a reference density for the fluid may be specified (see on-line help for further information).

Security keys and licencing

No changes

Other issues

The on-line help for all modules now contains tables of roughness and Hazen-Williams coefficients (C-factors) in the Reference Data section.

Summary of version numbers

Graphical user interface	1.31
Standard calculator	4.21
Spray/Sprinkler calculator	4.21
Transient calculator	6.14