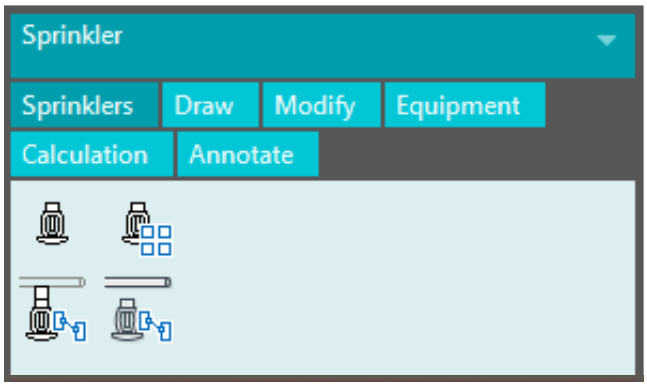
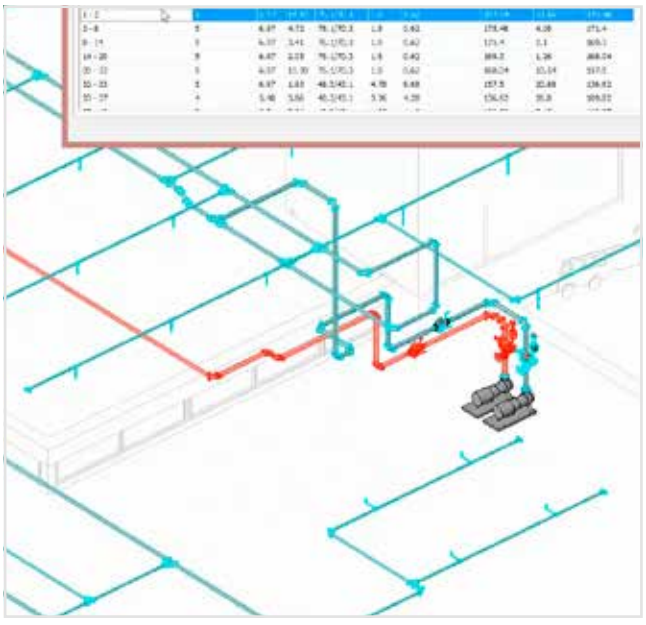
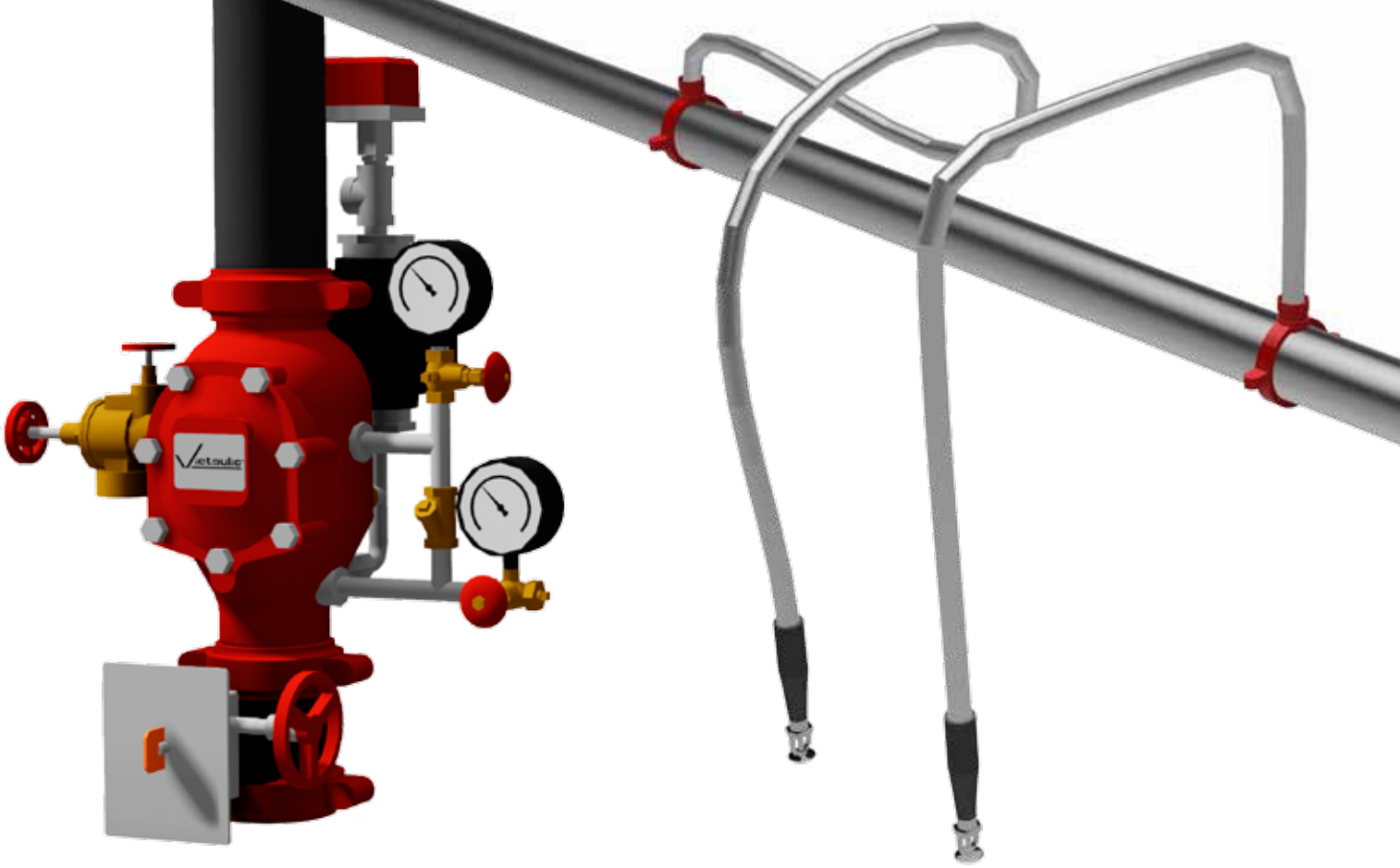




Sprinkler system design and calculation



Sprinkler system design and calculation

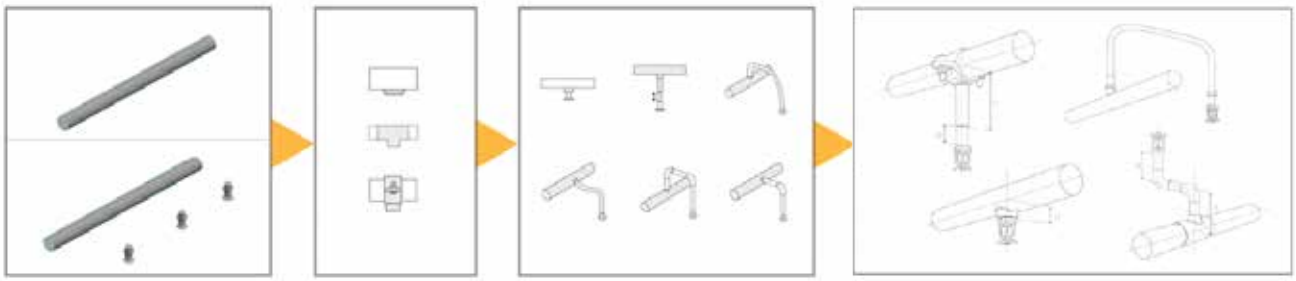
The new Stabicad for Revit sprinkler module was developed together with sprinkler engineers.
That's why this new piece of design and analysis software includes what is actually in demand in practice.
From the multiple placement of sprinklers with any desired connection to the calculation of drawn systems.

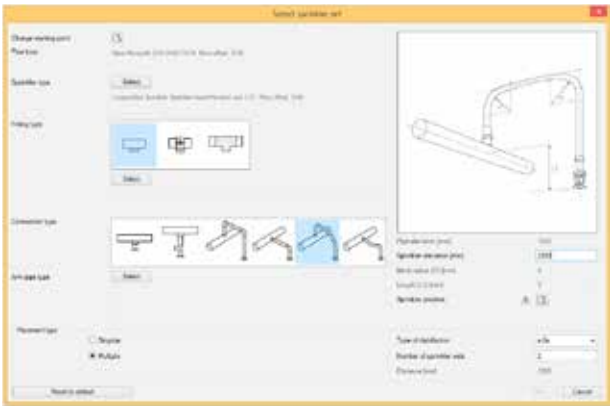
The sprinkler module allows you to model sprinkler installations easily from the alarm valve to the sprinkler head. Production speed is one of the main benefits of the new sprinkler system design and calculation module: the integrated calculation provides a huge speed advantage and makes it easy to monitor drawn systems. With this new module, the sprinkler technology is ready to go BIM LIVE.

Two workflows

Two different workflows are possible within the new module. The first option is to begin with the modeling of pipes and to place sprinkler heads later. The information is read from the piping when you select it. You then select a type of sprinkler head, fitting, connection, arm pipe, and placement method.

The second workflow focuses on modeling both the piping and the sprinkler heads in order to subsequently connect these to each other. In this workflow, you select both a pipe and a head and you can then select the type of fitting, connection, arm pipe, and placement method.





Smart User Interface

The smart user interface for this module is completely new and fully equipped with the help of sprinkler engineers. Choose your desired option in the "select sprinkler set" screen, and the dimensional drawings automatically adjust to your chosen solution types. For example, the options for the connection type also adjust to the type of sprinkler head you chose.

- **Multiple and single placement**
  Placement of the sprinkler installations can be done singly or multiply in Stabicad. With multiple placement, you can choose from a distribution over a fixed distance, a2a, or a-a distribution.

- **Connections**
  When selecting a type of connection, you have the choice of all commonly used connection types. This includes sprinkler tees, flexible pipes, standard fitting work, and telescopic pipes.

High quality Revit families

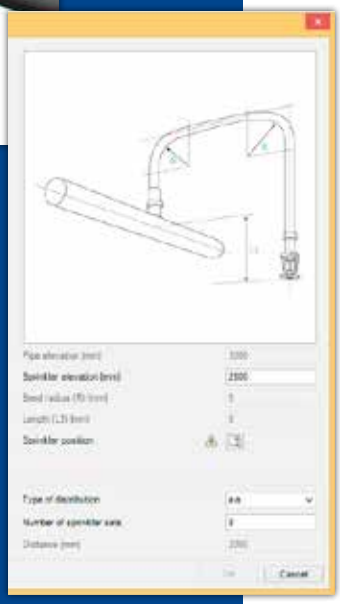
Content from manufacturers such as Victaulic, Viking, Tyco, and Rapidrop is fully integrated into the software. In addition to the families in the software, you will also find high quality Revit families on MEPcontent.eu, controlled by the manufacturer and equipped with all the necessary information. For example, you can insert the alarm valve depicted directly into your model using the MEPcontent browser so that it can be incorporated into a project with the sprinkler module.

Integrated calculation

The new sprinkler module calculates systems based on EN12845 and NFPA13 standards. You can choose to indicate the least or the most favorable area for the sprinklers. It is also possible to assign a hazard class. The design conditions are the input of the calculations, and as output you generate a calculation overview in your model and a comprehensive report of the results.

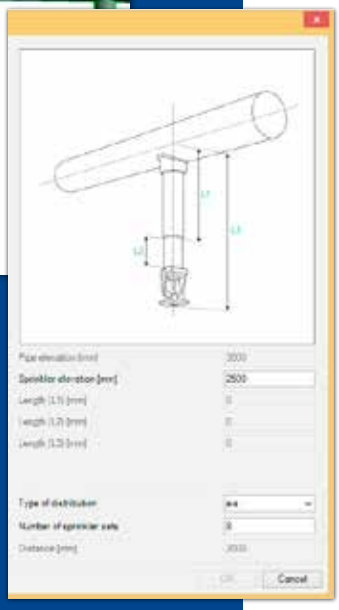
Want to know more?

For information and demonstrations on all the functionality of the module, please visit www.stabiplan.com/sprinkler. Or get started with the software yourself during a Stabicad for Revit Sprinkler training that can be booked through stabiplan.com/webshop.



Flexible pipes

One of the main obstacles in Revit is drawing with flexible pipes. That's history with the flexible drawing support offered by the new sprinkler module. After filling in the heights of the pipes and sprinkler head, the minimum bend radius is taken into account. In that way, the flexible pipe is drawn simply for you.

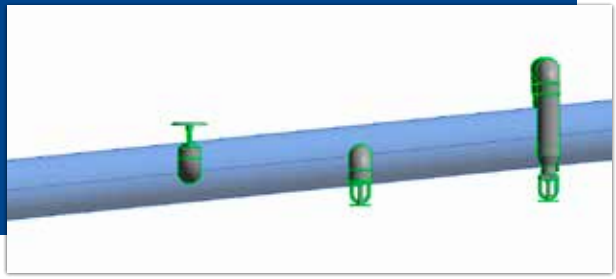


Telescopic pipes

If you want to connect the sprinkler using a telescopic pipe, you indicate in the selection menu to what height the sprinkler must extend. The correct telescopic pipe is then modeled for you.

Sloped pipes

In addition to the standard piping, the sprinkler module in Stabicad also supports sloped pipes.



"The Stabicad for Revit sprinkler module is a good solution for our needs as a sprinkler installer. Stabiplan involved us closely in the development of this module and we feel that they have listened well to us. Our feedback and wishes were addressed adequately. Because of the continuous development of this module, we expect that we will use it to work out all our sprinkler systems in the near future, even though it's not required by the customer."

Arjen Woordes
Technical Specialist Croonwolter&dros

croonwolter&dros | TBI

The new Stabicad for Revit sprinkler module was developed together with users. That's why this new piece of design and analysis software includes what is actually in demand in practice:

- fast modeling, designing, and modifying
- redesigned smart user interface
- multiple and single placement of sprinklers
- solution for drawing flexible pipes
- support for sprinkler tees, flexible pipes, standard fitting work, telescopic pipes, and sloped pipes
- integrated calculation
- extended monitoring features
- based on local standards
- schedules and material lists
- high quality Revit families

With more than 160 employees, Stabiplan has been a leader in MEP design for nearly 25 years. Since 1990, we've been a leader in the development of design software for installation technology in Europe. Stabicad is available for Revit and CAD: more than 3,500 customers (over 8,500 users) go BIM LIVE with Stabicad 10 and give Stabiplan a leading position in the market.

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