

PROTEGO® QuEST, Version 4.0

2024-10-11

The major new features of QuEST 4.0 compared to QuEST 3.0 are:

1. Input of different units of measurement for overpressure and vacuum scenarios

The default systems of units of measurement below can be selected in *Profile*. For user defined systems, the unit of measurement for overpressure and vacuum is at the user's discretion.

Default unit system	Pressure	Vacuum
metric (SI)	Pa	Pa
USC	psi	inWC
metric (PROTEGO)	mbar	mbar

2. Link to available data sheets of devices on the PROTEGO® website

QuickSizing: If a device has been preselected, the "Data sheet" link on the *Results* page connects to the series data sheet.

Project/Sizing: On the results page, the link to the series can be called up via the "Data sheet".

3. Higher settings for Emergency Pressure Relief Valves on API 620 tanks in *Project/Sizing*

If a tank is designed in accordance with API 620, the set pressure of the emergency pressure relief valves can eventually be above the max. all. working pressure (MAWP).

4. Extended options for in-line valves in *QuickSizing*

Extended options for the selection of in-line valves, analogous to those in *Project/Sizing*. This includes the validation of the settings for given tank pressures and inlet pressure loss or, in the case of vacuum, pressure losses between the valve outlet and the tank.