



# B3PE Newsletter

Engineering And Software For The Natural Gas Industry

November 2021

## Check Out What's New With GASCalc™

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We have been hard at work adding new features to GASCalc. This month, we are proud to be able to share the following updates with you.

**Calculation Tables** - Compute a table of results using a selected calculation with a range of inputs. The results can be graphed for convenient viewing and comparison. Depending on the screen that's open, and the item selected to be calculated, the calculation table feature can be accessed by clicking the *Additional Actions* command button and selecting *Calculate Table Of Results*.

**EFV Values** - A new screen to calculate values associated with the sizing and selection of Excess Flow Valves. Enter your operating data, select a valve from the EFV Property Table, and calculate such values as the pressure drop across the valve, the equivalent length of a specified pipe diameter, the minimum and maximum trip points, and more. The EFV Values screen can be found under the *Valves & Fittings* menu.

**Interchangeability** - A new screen to calculate values used to determine the suitability of replacing one gas composition with another. The calculated values include the Wobbe Index, Knoy Factor, AGA Lifting Index, Weaver Index, and other values used to compare the performance of different gas compositions. You can manually enter the gas properties, or choose values from an existing gas properties file. The Interchangeability screen can be found under the *Gas Properties* menu.

**Thermodynamic Properties** - The calculation screen has been updated. The screen now supports calculation methods from AGA Report No. 8, 2017 edition. Users can choose which value to calculate - the old screen used to calculate all the values. You can manually enter a gas composition, or choose one from an existing gas properties file. The Thermodynamic Properties screen can be found under the *Gas Properties* menu.

**Additional Actions** - A dropdown menu of additional commands available on every calculation screen. For example, the *Open Duplicate Calculation* additional action allows users to copy the values from an open calculation screen to a new duplicate screen. This offers a quick way to view two calculations side-by-side, making it easy to see the effect of changing a single value. To display the Additional Actions menu, click on the three-bar command button in the lower right corner of the screen.

These new features, along with other bug fixes and enhancements, are included in the latest GASCalc update, posted **November 4**. For the full list of what is included in the latest update, see the [Update Notes](#).

Don't forget that you can update your GASCalc Property Tables, too. Go to the **Help** menu and select **Check For Property Table Updates** to see if a newer property table is available.

If you want to get started with the new GASCalc, or if you have an older version and would like to upgrade, [pricing](#) can be found on our website. For those who want to try it out first, you can download the [demo](#). To place an order, fill out an [order](#) form and return it to [sales@b3pe.com](mailto:sales@b3pe.com).

## **Technical Review & Proofreading Services**

A reminder that B3PE now offers a technical document review service. Beyond just proofreading, we will review the technical aspects of your documents. Our staff has spent countless hours gathering information from natural gas industry literature, giving us a depth of understanding of the purpose of these documents, their content, and how they are used. We have the expertise to check values, identify potential issues, and suggest revisions.

Ask about our review [services](#) for any of the following documents:

- Manufacturer's Literature - Bulletins, Manuals, Specifications
- Company Specifications, Standards, and Manuals
- Technical Publications
- Industry Standards
- Regulatory Documents
- Websites & Webpages

If your document doesn't fall into one of the categories above, just ask and we may be able to help you out.

We know that you want to provide the most accurate and complete information that you can to your clients, customers, and bosses. Let us help you ensure that goal is met.

Please contact us at [techreview@b3pe.com](mailto:techreview@b3pe.com) to discuss your needs.

## Thank You

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The Thanksgiving holiday is approaching at the B3PE world headquarters. To all of those who celebrate the holiday, Happy Thanksgiving from our family to yours.

Whether you are a long-time user, a brand new customer, or an interested follower, we give thanks for your continued support as we strive to deliver exceptional products and service.

## Our Products

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[GASWorkS™](#) - Affordable and robust network modeling.

[GASCalc™](#) - Suite of gas system design and analytical tools.

[GASPurge™](#) - Natural gas pipeline purging calculator.

[StationManager™](#) - Regulator and relief valve station management solution.

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