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Engineering And Software For The Natural Gas Industry

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GASWorkS™ 10 - Valve Nodes

We are approaching the two-year anniversary of the release of GASWorkS 10.0. And we still have many features to highlight.

Previous versions of GASWorkS allowed Users to place valves in the model as pipe attributes. In GASWorkS 10.0, attribute valves have been replaced by valve nodes, which allows you to represent valves as points in a model.

To add a valve node to a model, select the *Add Valve Node* item from the GDI Command List. You will be prompted to select a pipe to which the new node will be added. Additional prompts will ask you to specify the valve location, valve number (this will be saved as the *Node Name*), and hydraulic type. Once finished, the selected pipe will be split into two pipe segments, and the new valve node will be placed at the junction of the two segments.

There are three different types of valve nodes. Control Fittings represent flow control devices such as stopples or three-way tees. Valves are regular in-line or block valves. Maintained Valves are those valves checked and serviced as required by code, also known as "critical" or "key" valves.

Valve nodes are provided to support the GASWorkS tracing routines. You can "close" a valve node by setting the *Hydraulic Status* data item to "Off" to simulate isolating a part of the gas system. The solution routine does not account for valve nodes at this time, though we may add that as an option in the future. For now, any pipe feature can be turned "Off" to simulate a valve closure when solving the model.

Visit our Updates page to keep your software up-to-date with the latest tweaks and fixes. GASWorkS 10.0 users will find the latest revision posted on **May 10**.

If you have not already tried GASWorkS 10, click here to request a 30-day evaluation copy. To upgrade today, fill out an order form and return it to sales@b3pe.com.
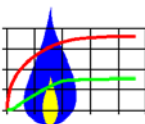
Training Update

The next Basic GASCalc™ 5.0 and GASWorkS 10.0 training courses of 2019 will be held from **June 19-21**, at the world headquarters in Colorado Springs, Colorado. Seats are still available, so submit a registration form to reserve your spot today. GASCalc training will occur on the first day (Wednesday), and the last two days will be focused on GASWorkS (Thursday and Friday). You are welcome to attend the GASCalc portion only, the GASWorkS portion only, or both together.

We are hosting one more course on **September 18-20, 2019**. More information can be found on the Training Information page of our website, including an overview of our training courses and details on travel and accommodations.

We can also conduct specifically tailored courses to meet your individual or group needs. Additional courses can be held at our site or at yours upon request. Please contact us at training@b3pe.com to discuss your specific training needs.

Purging Data Wanted

We are looking for real-world purging data to compare with the results predicted by our new GASPurge™ service. If you have data that you would be willing to share with us, please fill out the form on our website and return it to us.

Our goal is to fine tune our calculations and provide our users with better results in the future. You don't need to be a GASPurge User to submit purging data.

GASPurge is our new, web-based service for pipeline purging calculations. Developed in collaboration with GTI, it is another tool for natural gas system planning and design.

Visit the GASPurge information page on the B3PE website for more information, details, order forms, or to request a free 15-day evaluation license.

B3PE Conference Update

Thank you to everyone who visited with us in Nashville and Boise. Whether it was our first meeting, or catching up with longtime customers, it was our pleasure to share what we have been doing. Thank you to the American Gas Association, and the Western Gas Measurement Short Course, for hosting these great events.

For those who could not attend, stay tuned to the newsletter for future announcements of events where B3PE will be exhibiting.

Applications Portal

Check out our new Applications Portal, where you will find links to GASPurge and the free GASCalc Web App.

Our Products

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.

WaterCalc™ - Suite of water system design and analytical tools.