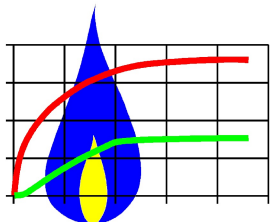


GAS Purge™ *Product Description*



From the creators of GASCalc™ and GASWorkS™, comes a new application to serve the natural gas industry.

GAS Purge calculates various values associated with the purging or clearing of a natural gas pipeline. It is a web-based subscription service that is licensed on an annual subscription basis. One subscription allows access to the service for one User at a time.

Background

The American Gas Association (AGA) updated its Purging Manual in 2018. This manual provides “guidelines for maintaining safe atmospheres inside pipes, holders, and other facilities that are to be purged into service or taken out of service”.

As a companion to prior editions of the Purging Manual, a program (the “Pipeline Purging Program”) for calculating gas pipeline purging requirements and conditions was also available. The original program was developed around 1996 as part of a Gas Research Institute (GRI) project.

With the update to the purging manual, AGA desired to update the Pipeline Purging Program. AGA and Operations Technology Development (OTD) commissioned the Gas Technology Institute (GTI) - formerly GRI - to review and update the Pipeline Purging Program using contemporary software development technologies.

GAS Purge is the result of those efforts. It is not an updated version of the Pipeline Purging Program, but a new standalone web service based on the original software and documentation. Users of GAS Purge can expect enhanced functionality and improved calculation speed compared to the Pipeline Purging Program, as well as an application that is designed to be adaptable to changing User demands and advances in computer technology.

Calculation Wizard

DEMO@EXAMPLE.COM

Previous Next

[Project](#)
[Configuration](#)
[Parameters](#)

Inlet
[Pipeline](#)
[Riser](#)
[Valve](#)
[Vent](#)
[Review](#)
[Results](#)

Inlet Pipe: Yes No

Inside Diameter:

Wall Roughness:

Length:

Hydraulic Efficiency:

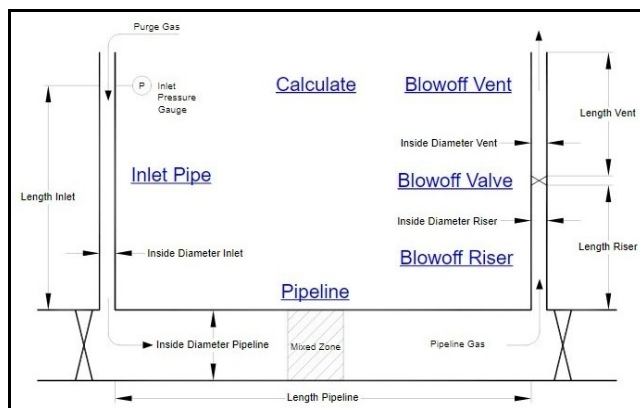
Inlet Fittings:

Fitting	Quantity
Elbow 90 SR	<input type="text" value="0"/>
Elbow 90 LR	<input type="text" value="0"/>
Elbow 45	<input type="text" value="0"/>
Run Tee	<input type="text" value="0"/>
Branch Tee	<input type="text" value="0"/>
Ball Valve	<input type="text" value="0"/>
Gate Valve	<input type="text" value="0"/>
Plug Valve	<input type="text" value="0"/>
Miscellaneous	<input type="text" value="0"/>

GAS Purge uses an online “wizard” for entering data and computing results. The various “steps” associated with purging a pipeline are organized into a series of screens. Navigation is as simple as clicking a button to move forward or backward through the steps, or clicking on a link to go directly to a specific step.

Each step contains a number of fields for data input, including text boxes, dropdown lists, and option buttons making data entry efficient and easy.

Complimenting the wizard is a graphic representation of the components of the purging model known as the “schematic”. The schematic provides a visualization of the relationships between the required data and interactive access to the Wizard steps.



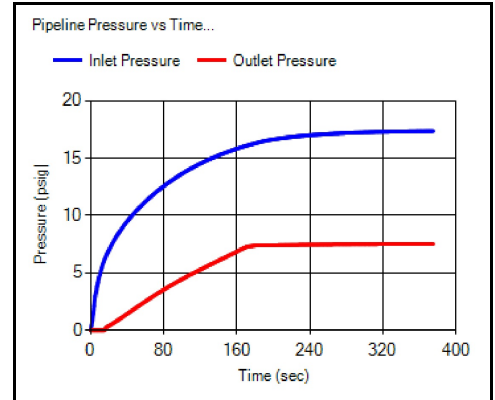
Other Features

Graphic Results: GASPurge displays its results in a graphic chart for a convenient visualization of the pipeline purging process. Users can view Flow Rate versus Time, Pressure versus Time, Pipeline Velocity versus Time, and Exit Velocity versus Time.

Excel Reporting: Results can be saved to a Comma-Separated-Values (CSV) format file, or to a Microsoft Excel (XLSX) format file. The XLSX file includes all of the entered and calculated data, plus all of the charts in one convenient package.

Mobile: GASPurge will run on any web-enabled device with a compatible browser.

Multiple Users: Because of its web based implementation, multiple Users may easily access the service without the need for cumbersome license management, or for internal network or IT support.



Pricing

GASPurge - Annual Subscription	
NUMBER OF USERS	PRICE
1 to 5	\$995 per User
6 to 10	\$745 per User + First 5 Users
11 or more	\$495 per User + First 10 Users

Visit our website www.b3pe.com for more information.

Contact sales@b3pe.com to request a free evaluation copy of the GASPurge program.

Legal Stuff: GASPurge is a trademark of Gas Technology Institute. GASCalc, GASWorkS, and the "B-Cubed" logo are trademarks of B3PE LLC. Excel is a trademark of Microsoft Corporation.



B3PE LLC

Engineering & Software Services

419 East Columbia Street • Colorado Springs, Colorado • 80907 • USA • (719)578-9391
sales@b3pe.com • www.b3pe.com