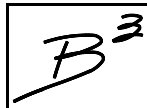
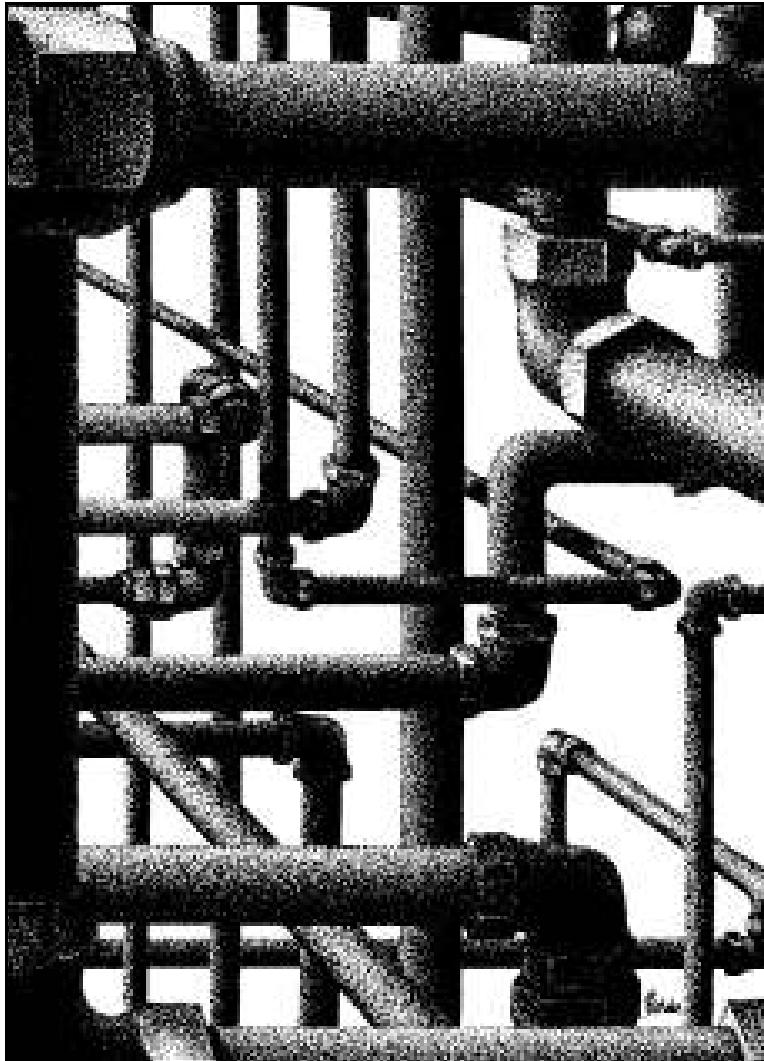


GASWorkS™ 10.0

Getting Started Guide



Bradley B Bean PE
419 East Columbia Street
Colorado Springs, Colorado 80907 USA
Toll Free: 1-800-391-9391 ! Telephone: (719) 578-9391 ! www.b3pe.com

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Getting Help - Contact Us

Hours - Our normal work hours are 8:00 A.M. to 5:00 P.M. Mountain Time, Monday through Friday. However if you have a problem, please try at any time, we may be in.

By Telephone -

Telephone: (719) 578-9391

Toll Free (US Only): 1-800-391-9391

By Email - help@b3pe.com

By Website - www.b3pe.com

Hardware/Software Requirements

GASWorkS will operate on any personal computer (PC) configured to run the Windows XP or newer operating system through Windows 10. The GASWorkS software will require a minimum of 96 MB - of free hard disk space when installed with full documentation.

Installing GASWorkS

An appropriate version of Windows must be running in order to install GASWorkS. If it is not, start Windows now. Depending on the format that the software was received in, proceed with one of the installation options described.

Note...

- On Windows Vista and newer machines, you will need to be logged on as the Full Administrator or use the “*Run as administrator*” option when executing the installation file.
- In the following steps it is assumed that the “setup” file containing the GASWorkS software has already been downloaded to your machine. If it has not been downloaded, follow the instructions that were provided at the time of purchase.

! Find the location where the download folder is saved on your machine. Open the folder using Windows File Explorer.

! Double-click on the executable setup file (setup.exe) contained in the folder. If a Windows Security warning appears, allow your machine to install the file.



! After the setup program has been started, several screens will appear during the installation process. Read the contents of each screen carefully and respond appropriately.

Note... On the License Agreement screen, read the terms of the License carefully and select the “*Agree to*” option. If you do not wish to accept the License Agreement, you will not be able to continue with the installation process.

! A message will be displayed when the installation process is complete. The message will indicate whether the installation was successful or whether it failed. Select the appropriate option to clear the message.

Starting GASWorkS

Note...

- An appropriate version of Windows must be running before GASWorkS may be executed. If Windows is not running, begin its execution now.
- On Windows Vista and newer machines, you will need to be logged on as the Full Administrator or use the “*Run as administrator*” option the first time you execute the GASWorkS software.

! From the Windows Desktop, select the *GASWorkS 10.0* shortcut icon.

! The GASWorkS software will be started.

Note...

- Some versions of GASWorkS will require the software to be registered. If your version does, the Registration screen will be displayed upon the first execution of the software. The Registration screen displays the unique Serial Number associated with your license and will prompt you to enter the unique Registration Number. To request the Registration Number, either select the *Request Registration Number* command button, or manually request the registration number by sending an email (please include your Company Name and the Serial Number) to registration@b3pe.com. Once you have received the Registration Number, enter the number at the prompt, then select the *Continue* command button. You will not be able to fully use the software until it has been registered.
- If you need to enter the Registration Number at a later time, select the *Cancel* command button to close the Registration screen. After you have received the Registration Number, restart GASWorkS and enter the number at the prompt.

! After the software has been loaded into memory, the GASWorkS Welcome screen will be displayed. Select the *Continue* command button.

Depending on the preference settings, a blank screen may be displayed, or the Graphic Data Interface (GDI) Window may be displayed.

Once installed, to become acquainted with the features of the GASWorkS software, we suggest that you work the example in the Demonstration Guide. If installed, the Demonstration Guide and other documentation can be viewed and printed from the *Help* menu list.

User Count

The number of Users that can simultaneously run the GASWorkS software is dependent on the license style purchased. This number is referred to as the User Count. GASWorkS licenses allow only one User at a time.

When GASWorkS is executed, it checks the number of Users currently using the software. If the User Count is not exceeded, the GASWorkS software will be started. If the User Count is exceeded, a message will be displayed.

If GASWorkS is abnormally terminated, the User Count may become corrupt and GASWorkS may erroneously report the number of current Users. If this occurs, select the *Reset User Count* menu item from the *Technical Support* submenu of the *Help* menu list.

Using The Menus

The various routines and features associated with the GASWorkS software are accessed through pull-down menus. The menus are grouped under headings by functionality. The menu headings are displayed near the top of the main GASWorkS screen.

Menu items are accessed from a menu list. The menu lists are activated by selecting the appropriate menu heading. Menu headings and menu items may be selected by clicking on the menu heading or menu item. A menu list may be deactivated by pressing the *Esc* key or selecting another menu heading.

Some menu items have submenus associated with them, these are accessed through submenu “headers”. Submenu headers are followed by “...” and a “right arrow” symbol. Rest or click the mouse on the header title to access the submenu.



Negotiating The Screens

GASWorkS provides numerous screens for entering, editing, viewing, and managing the data it requires. Generally, a screen will contain various controls including data fields for entering individual data values, drop-down lists for selecting predefined data, option buttons and checkboxes for selecting specific options, data tabs for displaying specific data groups, and command buttons and icons for executing various functions. The *Tab* key or *Enter* key, or the mouse may be used to move between the controls contained on all the screens.

Calculated Value - Display panels highlighted with a yellow background color represent calculated data values. They cannot be directly edited by the User. The calculated values may change when one of the editable values are changed and a calculation is successfully executed.

Checkbox - Options may be presented using checkboxes. Where a checkbox is displayed, a check mark (✓) will appear in the box when the option is selected. The status of the checkbox may be changed by clicking in the box, or by pressing the *Space Bar* while the cursor is in the checkbox.

Command Button - A control “button” used to execute a routine or command. Command buttons appear on data screens, reports, and messages.

Data Field - Data fields are provided for items where the value must be entered by typing. To enter a value in a data field, position the cursor in the appropriate data field, and type the desired value. When entering numbers in a data field, do not include the digit grouping identifier (thousands identifier). For example, enter ten thousand as “10000.00” not as “10,000.00”.

Data Tab - Data items may be grouped and displayed on data tabs. To access the data contained on a data tab, either click on the tab’s heading, use the *Arrow* keys when the tab heading is highlighted, or hold down the *Alt* key while pressing the key associated with the underlined letter displayed in the tab’s heading.

Drop-Down List - A list used to display and select certain data items. For example, dimensional units are associated with a drop-down list of available values. To activate a drop-down data list, click on the list or on the arrow symbol. Select an item from the list by clicking on the desired item.

Icon - An icon is a small image which represents either a routine or a GDI Command. Icons can only be selected using the mouse. An example of an icon, is the printer icon found on many of the report screens.

Option Button - “Either-or” options are presented using an option button. When option buttons are used, a dot inside the option circle indicates that the option is selected. Option buttons are usually found in groups. Only one option may be selected at a time. To change the status of an option button, click in the desired option circle, or use the *Arrow* keys to move between the options.

Scroll Bar - The horizontal scroll bar (the bar directly beneath the viewing screen) is used to move the screen right and left. The screen contents may be wider than the display window, and the horizontal scroll bar allows viewing of the off-display portions of the screen. The vertical scroll bar (the bar directly to the right of the viewing screen) is used to move up and down in the screen. The vertical bar allows the screen to be browsed by adjusting the bar's slider. The scroll bars may be adjusted by moving the bar's "slider" with the mouse, or by clicking on the arrow symbols associated with the specific bar. Large changes in the display can be made by clicking on the desired bar, either before or after the slider's position.

The Graphic Data Interface (GDI) Window provides a unique set of access methods. Refer to the *Graphic Data Interface (GDI)* section of this User's Manual for specific notes and instructions on its use.

Executing Commands & Functions

Many screens and message contain command buttons. These buttons may be used to access a specific function or to perform a specific action. The *Close* or *Cancel* command buttons found on many of the data screens are examples of command buttons. When a command button is selected, the function associated with that command button is executed. Command buttons may be selected by one of the following methods:

- ! Left-click on the command button.
- ! Use the *Tab* key to position the cursor on the desired command button, then press the *Enter* key.
- ! Press and hold down the *Alt* key while pressing the key corresponding to the underlined letter of the desired command button.

Notes On Dimensional Units

When GASWorkS first starts, its default dimensional units are set to standard US values (Feet, Inches, Psi, Fahrenheit).

To change the default dimensional units, use the Default Data Values screen found from the *Set Defaults* menu item in the *Utilities* menu list. Select the *Dimensional Units* tab to access the currently selected dimensional units. Make any changes by selecting the desired item from the associated lists. Select the *Apply Dimensional Units Only* command button to change the values used in the current model. *Note* - Do not select the *Apply All Values* command button unless you are certain that you want to apply all of the default setting values, on the various data tabs, to the current model.

As used in GASWorkS, unless otherwise specified, all pressure units represent "gauge" units. Within the documentation, gauge pressure units are generally shown without a suffix, absolute pressure units are shown with an "a" or "(Abs)" suffix. Gas volume values or volumetric flow rates are expressed in "standard" cubic units, based on (adjusted to) the specified base pressure and temperature.



Notes For International Users

GASWorkS attempts to accommodate the needs of International Users by providing a robust set of dimensional units. These units can be selected as appropriate for the User's particular needs.

GASWorkS does have a particular weakness when it comes to the various Property Tables that contain predefined Compressor, Fittings, Pipe, Regulator, Valve, and Well data. These lists are primarily oriented towards US manufacturers and sizes. The Property Tables can be easily modified by the User to more specifically meet the particular needs of each User. The Property Tables provided with the software are intended to provide a starting point to allow the User to create their own custom Property Tables.

Note...

The example models provided with GASWorkS all use US units of measure. To obtain valid results, these examples must be worked using the US units. When working these examples, if the default data values and dimensional units have been changed, they must be reset to their original US values before working with the example model.

Uninstalling GASWorkS

If after using the GASWorkS software you wish to remove it, select the *Uninstall GASWorkS 10.0* menu item from the *GASWorkS Programs List*.

! After the Uninstall Program has been started, read the contents of each screen carefully and respond appropriately.

Note...

If the Uninstall Program asks to remove any shared system files, select the *No* command button.

! A message will be displayed when the Uninstall routine is complete. The message will indicate whether the routine was successful or whether it failed. Select the appropriate option to clear the message.

Note...

! On some machines, the Uninstall routine will not be able to remove any directory or file that has been created after the initial installation.

! Some of the files and/or folders created by GASWorkS after the installation may include files in the initialization directory (ini), files in the default model file directory (files), and/or files in the application directory (app).

! To remove these files and/or folders, use Windows File Explorer to find and delete the remaining files and folders. An example of the path for the initialization folder is shown below. The other folders have similar path locations.

- 32-bit machines - **C:\Program Files\GASWorkS 10\ini**
- 64-bit machines - **C:\Program Files (x86)\GASWorkS 10\ini**



