



Subsurface ventilation specialists

To install LeakyDuct™ or HotWork™

If errors are found in this software, or you have suggestions for improvement, please contact MVA at mvamail@mvaust.com.au, with the version number and serial/activation number and the details of the problem or suggestion. We will respond to you promptly.


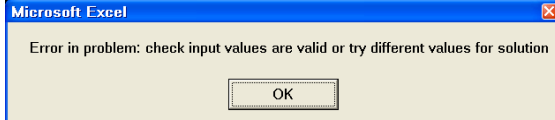
HotWork and LeakyDuct are Excel-based workbooks (requires Excel 2000 or later) that use a number of individual worksheets for the various program features. There is an extensive amount of VisualBasic™ code supporting these workbooks. HotWork also uses the Excel linear programming Add-in called “Solver”. Sheets can be accessed by clicking on the relevant ‘tab’ at the bottom of the page.

Instructions on this page are for Excel 2003. For Excel 2007, see the final page.

Some help for the user is provided in text boxes on some sheets. Other help can be found in the Cell comments which are provided in any spreadsheet cell that has a red corner. To print all of the cell comments on any sheet, select File:Page Setup:Sheet:Comments and select "End of sheet", then print. Each sheet will be printed, followed by all notes on that sheet.

To get the software operational:

1. Copy the LeakyDuct.xls or HotWork.xls file into a new folder on your hard drive
2. Open Excel first
3. From the menu bar, select Tools:Macros:Security menu, ensure macro security is set at medium or low
4. Open the file: HotWork (or LeakyDuct) (if macro security warning comes up, select “enable macros”)
5. Enter your activation code, your name and organisation, etc when requested
6. Check the software is operating correctly as follows:

HotWork	LeakyDuct
<p>Select the “TWL” sheet tab Change any input value on this sheet. Select the yellow “Solve TWL” button. If an error messages appears (e.g. one of those below), then under the “Tools” menu, select “Add-ins” and then de-select “Solver”. Click “OK. Then under “Tools” menu again, select “Add-ins” and then re-select the “Solver” add-in. Try the Solve TWL button again. (See last page for Excel 2007 instructions) A valid solution is shown in Figure 1.</p>	<p>Select the “Simulator” sheet tab Change any input value on this sheet. Select the yellow “Calculate” button. A valid solution is shown in Figure 2.</p>
	

7. If the program stops responding (calculating), check:
 - Tools:Options:Calculation and that “automatic” is selected and that “Iteration” is selected along with “Maximum iterations” of 1000 and “Maximum change” of 0.000001. [In Excel 2007, use Office Button>Excel Options> Formulas>Calculation Options]
 - Data:Macro:Macros then select “ControlledExit” and then “Run” [In Excel 2007, use Developer>Macros] (To show the Developer tab, use Office Button>Excel Options>Popular>Show Developer Tab)
8. If you have any further problems getting the software operational, contact MVA
9. Save the activated version of HotWork or LeakyDuct into a folder on your hard drive)

Note that each copy of LeakyDuct or HotWork is licensed for use on only one PC.

Note that LeakyDuct comes with a worked example as a pdf file. Contact MVA if you do not have this worked example.

Figure 1

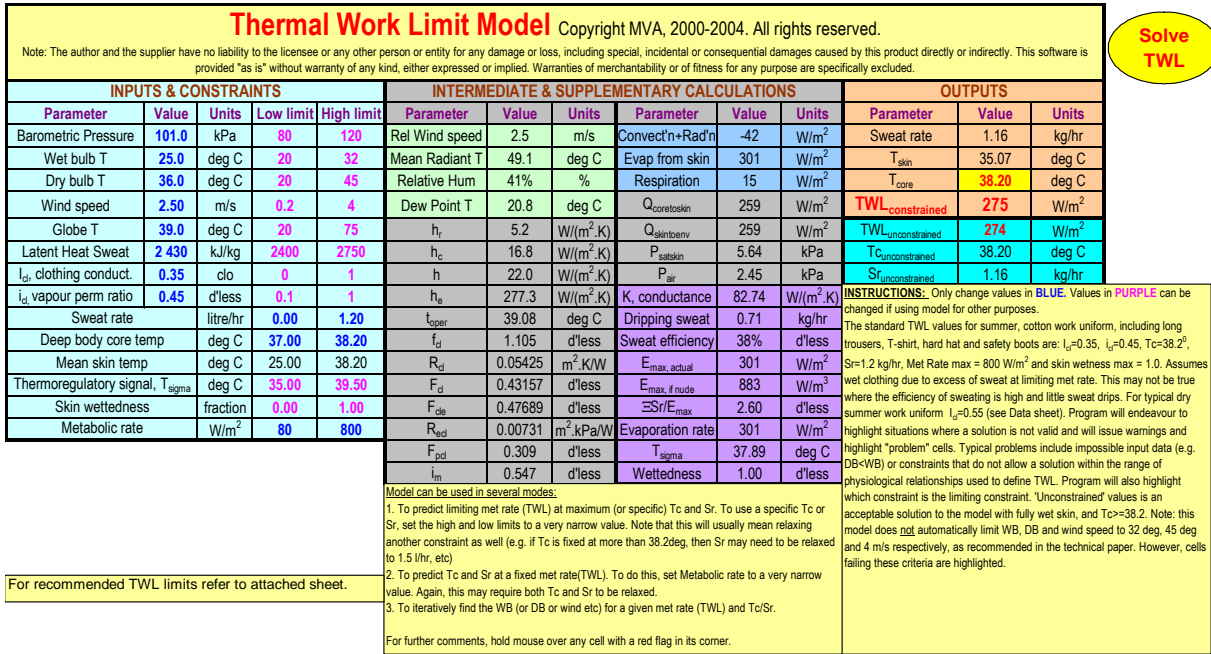
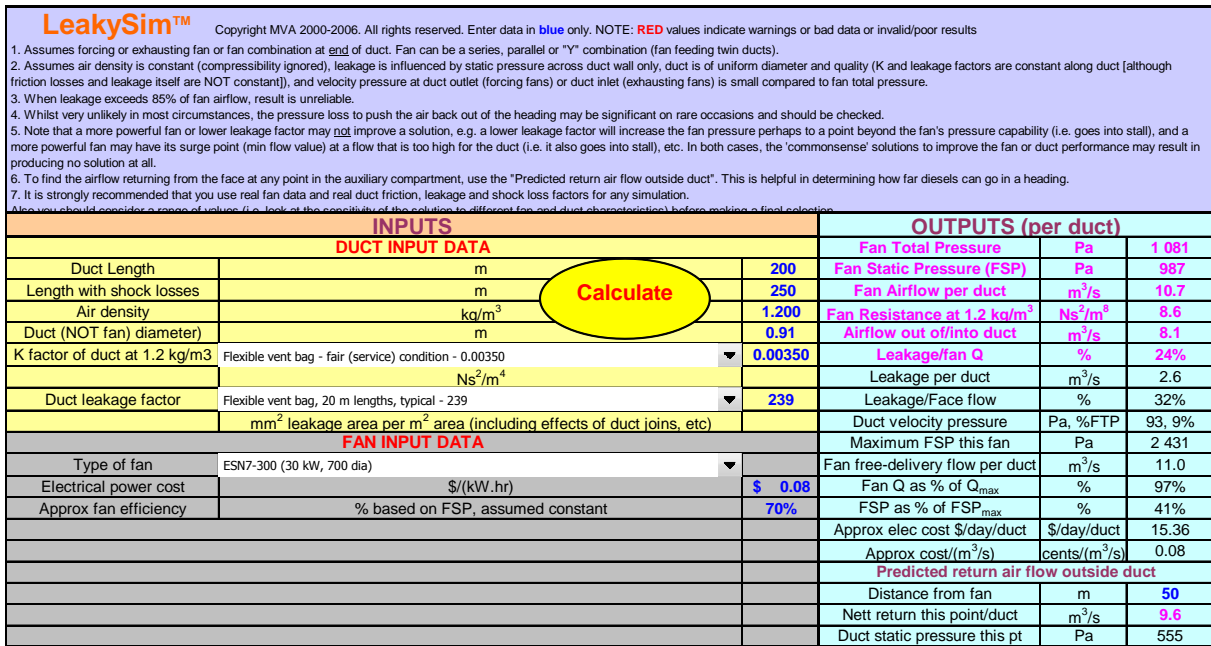


Figure 2



Printing comments in Excel 2007

If your worksheet contains comments, you can print them as they appear on the sheet or at the end of the sheet.

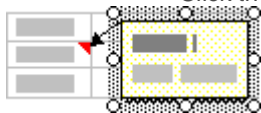
1. Click the worksheet that contains the comments that you want to print.
2. To print the comments in place on the worksheet, display them by doing one of the following:
 - To display an individual comment, click the cell that contains the comment, and then on the **Review** tab, in the **Comments** group, click **Show/Hide Comment**.
 - TIP** You can also right-click the cell and then click **Show/Hide Comments** on the shortcut menu.
 - To display all comments, on the **Review** tab, in the **Comments** group, click **Show All Comments**.




TIP You can move and resize any overlapping comments.

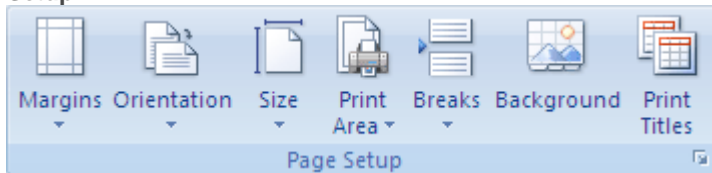
TIP How to move or resize comments

1. Click the border of the comment box so that **handles** appear:



2. Do one or both of the following:
 - To move the comment, drag the border of the comment box.
 - To change the size, drag the handles on the sides and corners of the comment box.

3. On the **Page Layout** tab, in the **Page Setup** group, click the dialog box launcher  next to **Page Setup**.

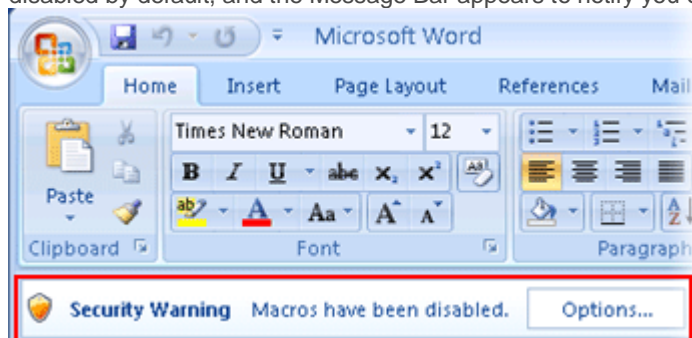


4. On the **Sheet** tab, in the **Comments** box, click **As displayed on sheet** or **At end of sheet**.
5. Click **Print**.

TIP To see how comments are printed, you can click **Print Preview** before you click **Print**.

Enabling macros in Excel 2007

If the Excel 2007 "Trust Center" detects what it considers to be a security problem with a macro, the macro is disabled by default, and the Message Bar appears to notify you of a potentially unsafe macro.



If you click **Options** on the Message Bar, a security dialog box opens, giving you the option to enable the macro. See the next section for how to make a secure decision before you click an option.