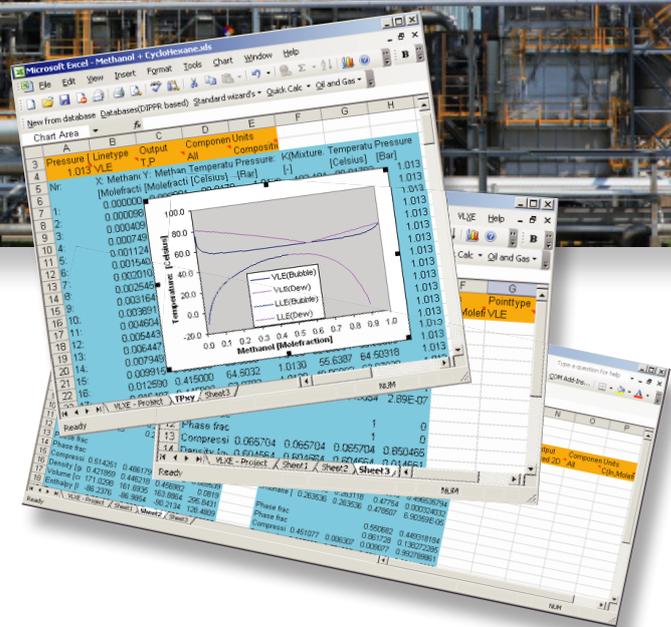


Thermodynamic Solutions

VLXE
Advanced PVT Simplified



How to: Connect VLXE Blend to the databases

A step by step guide

VLXE offers solutions worldwide



VLXE VLXE Aps
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Table of Content

| | |
|---|---|
| Introduction..... | 2 |
| How does VLXE use the databases..... | 2 |
| What happens when I install VLXE?..... | 2 |
| How to I change or check the connection string..... | 2 |
| How do I connect to the DIPPR database file?..... | 2 |
| FAQ..... | 3 |
| Unable to open the physical file..... | 3 |
| How do I see what databases are in use?..... | 3 |
| How do I get support?..... | 3 |

Introduction

When a calculation is performed the parameters are taken from the project sheet. However the parameters in the project sheet are taken from the VLXE Blend Database and the DIPPR database when creating the project sheet. Basic parameters like molar mass are taken from the DIPPR database while the rest like SRK or PC-SAFT parameters are taken from the VLXE Blend database.

The format used by the VLXE Blend Database is SQL Server from Microsoft. Any version can be used and it can be local or remote. This is determined by the connection string that tells VLXE Blend where to find the database.

In order for VLXE Blend to find the databases the connection string has to be correct. This is done automatic when installing.

This document is provided to help user's change the database settings trouble shoot database connection problems.

How does VLXE use the databases

VLXE Blend can work with 2 versions of the VLXE parameter database:

- Local
- Company Wide

This is used by larger companies where a company database is maintained globally plus a local database that each user is allowed to change.

The DIPPR database is provided by DIPPR and only the path to the file has to be given.

What happens when I install VLXE Blend?

During the installation of VLXE Blend no SQL Server version is installed. The installation package will by default use SQL Server Compact that runs local. In the last step of installation or after the SQL server used or location of the database files can be changed.

How to I change or check the connection string

Open Excel and select the menu VLXE Blend/Settings/Databases:

The new window allows you to check and change the settings for the two databases used.

In the example below the connection string given for the standard connection called VLXE is tested

If the connection does not work the connection string can be edited manual or the build-in tool can be used.

Select "Locate VLXE Blend database File" to open the window. It takes about 30 seconds for it to open since it looks on your network for SQL servers.

In the new window first select the SQL server to use from the SQL server list. Then locate the database file using "Locate Database File". The program will then create the connection string for you and it can be tested using "Test". Click Ok to return.

How do I connect to the DIPPR database file?

The DIPPR database is provided by DIPPR. The version used is DIPPR Project 801. In order to use it only the path to the database file has to be given.

It is done by opening Excel. Select VLXE Blend/Settings/Database:

In the new windows select DIPPR on the left side and then "Select DIPPR database file" in order to select the file. When done select "Test" to check the connection is in order.

FAQ

Unable to open the physical file...

I get this error message when I try to connect to the VLXE Blend Database: "Unable to open the physical file "...\VLXE_Parameters.mdf". Operating system error 5: "5(Access is denied.)". An attempt to attach an auto-named database for file ...\VLXE_Parameters.mdf failed. A database with the same name exists, or specified file cannot be opened, or it is located on UNC share."

#1 Make a copy of the VLXE Databases in a new folder. Now change the connection string to reflect this and try again

#2 Change the name of the database attached by appending: Database=VLXE12; to the connection string.

How do I see what databases are in use?

By installing the free tool: SQL Server Management 2012 from Microsoft, the link is:
<http://www.microsoft.com/en-us/download/details.aspx?id=29062>

Note that it has to be the 2012 version if you are using SQLLocalDB, older version will not work with SQLLocalDB. Start the program and type: (localdb)\v11.0 as server name:

Now expand the database node on the left side to see what databases are attached:

How do I get support?

If this document did not help you please contact VLXE support using the email: support@vlxe.com
Bugs or requests can be reported here: <http://support.vlxe.com/>

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