

## KSB EasySelect

### User Administration for Offline Support

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## Object

This concept is designed to explain the most important elements needed to support offline users.

## Scope

The following are included:

- Basic procedure for installation
- Creating User ID
- Setting proper privileges
- Creation of license files
- How to load the license file in the offline version
- Changing the default values for currency exchange rates
- Procedures for offline data backup and restore

## Basic procedure for installation

This version has been issued for Windows 2000, Windows XP, Windows Vista and Windows 7. Note: Windows NT displays colours differently to XP, but otherwise there are no known problems with this operating system.

### Minimum System Requirements

|                   |                                    |
|-------------------|------------------------------------|
| Operating system: | Windows XP / Vista / 7             |
| CPU:              | Pentium 4 with 2 GHz or comparable |
| RAM:              | 512 MB                             |
| Drive:            | DVD-ROM                            |
| Hard Drive:       | 8 GB                               |

Administrator privileges are required for installation. If you do not have administrator privileges the installation will be aborted.

If the Autorun-function is enabled on your computer, installation will start automatically when you insert the DVD. If this is not the case, please start setup.exe from DVD. EasySelect makes a difference between local and server installation. Server installation requires subsequent client installation on each individual client. For this purpose, please run the file setup.exe (located in the server directory) on each client. Local installation does not require any additional steps. After the installation has been completed, you can launch the application using the icon on your desktop. The option "Program Updates" in the installation routine is not active yet.

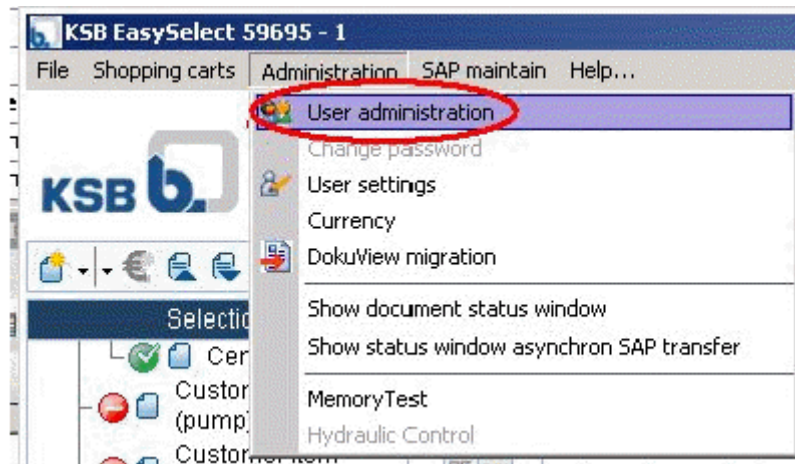
"Server installation" means that all the main program data are present on a single server at the site using a local network. The users each run a "client" on their own computer which connects to the version on the server. This allows the sales documents to be saved in a central location and be modified by everyone at the office.

"Local installation" means that the complete installation is done on one machine. The user has a complete functioning system on his own machine, but no one else can see or edit his sales documents.

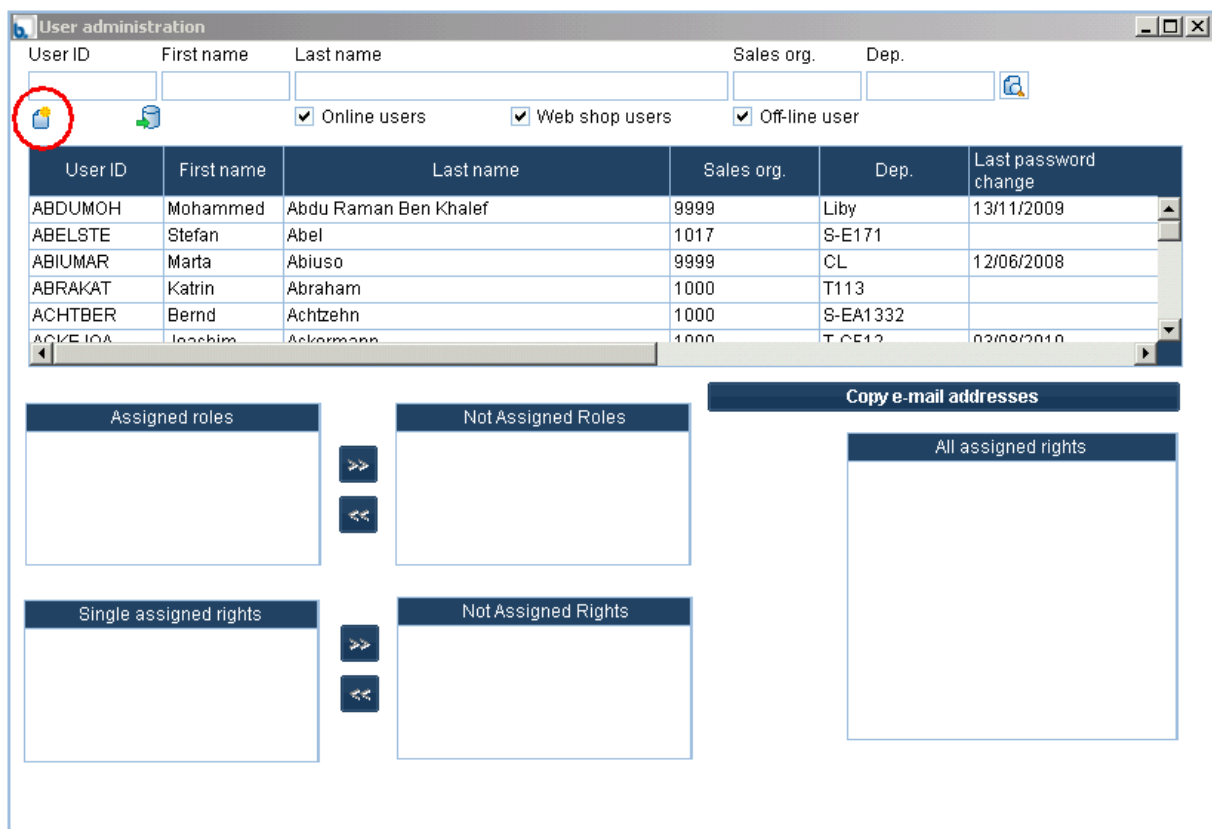
There is a PDF file with more detailed installation instructions provided on the DVD.

## Creating User ID

To create user ID's, start the user administration in the online version of KSB EasySelect®:



The user administration window will open. There, click on the icon for "create new user":



**User administration**

User ID:  First name:  Last name:  Sales org.:  Dep.:

☒ Online users ☒ Web shop users ☒ Off-line user

| User ID | First name | Last name             | Sales org. | Dep.     | Last password change |
|---------|------------|-----------------------|------------|----------|----------------------|
| ABDUMOH | Mohammed   | Abdu Raman Ben Khalef | 9999       | Liby     | 13/11/2009           |
| ABELSTE | Stefan     | Abel                  | 1017       | S-E171   |                      |
| ABIUMAR | Marta      | Abiuso                | 9999       | CL       | 12/06/2008           |
| ABRAKAT | Katrin     | Abraham               | 1000       | T113     |                      |
| ACHTBER | Bernd      | Achtzehn              | 1000       | S-EA1332 |                      |
| ACKEIDA | Joachim    | Ackermann             | 1000       | T-CE12   | 02/09/2010           |

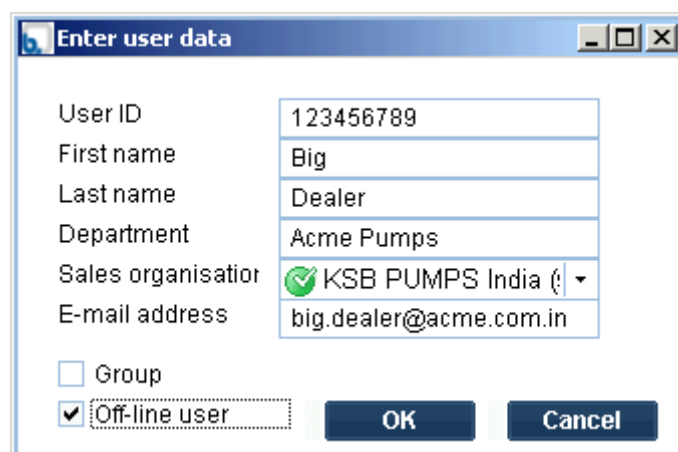
**Assigned roles** **Not Assigned Roles**

**Single assigned rights** **Not Assigned Rights**

**Copy e-mail addresses**

**All assigned rights**

Fill out the information on the form:



|                    |                          |
|--------------------|--------------------------|
| User ID            | 123456789                |
| First name         | Big                      |
| Last name          | Dealer                   |
| Department         | Acme Pumps               |
| Sales organisation | ✓ KSB PUMPS India (5088) |
| E-mail address     | big.dealer@acme.com.in   |

☐ Group  
☒ Off-line user

OK Cancel

For the User ID, use the IT-key for KSB employees, and the customer number for external customers like dealers. The user ID must be globally unique for KSB worldwide.

Do not add KSB employees except in specific response to approved IT orders, as there is an internal billing for use of KSB EasySelect®.

The first and last name and department can use your own conventions, but the department cannot be more than 12 characters.

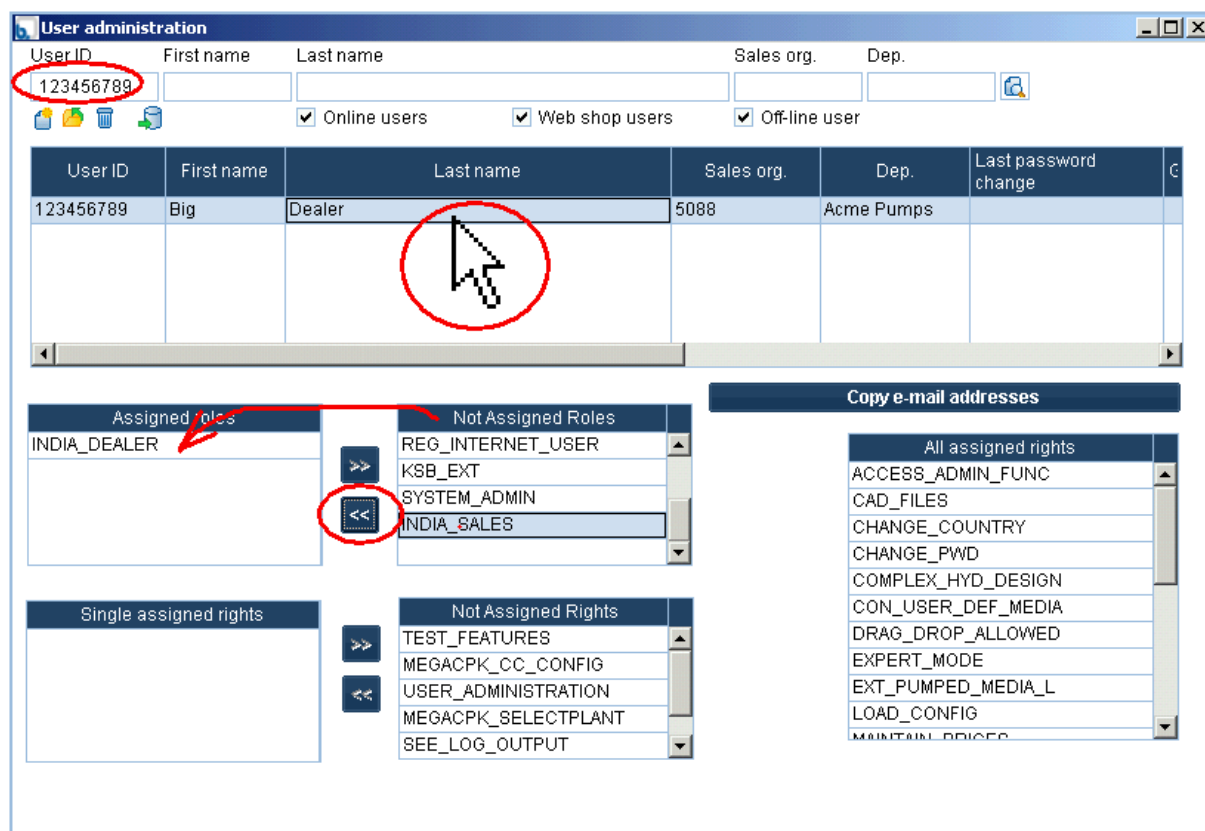
For the sales organization, use "KSB PUMPS India (5088)" for Indian dealers and internal KSB users in India.

Set the tick for "offline user" if you plan to provide a license file.

Finally, click on OK. This will create the user in the database.

## Setting proper privileges

A new user will have absolutely no privileges, so he will not be able to actually do anything in the program. To assign the privileges, call up the user in the table. You can enter the user ID or the name in the boxes at the top to filter the display. Then click on the user in the table to select him or her. Finally, mark the correct role in the list of "Not Assigned Roles" and on the << symbol to assign it.



Normally, each user should be assigned only one role according to his function. However, it is possible to assign more than one, for example if a user is active both offline and as registered internet users.

For KSB India, the following roles are relevant:

- INDIA\_SALES                      Normal KSB sales offices in India
- INDIA\_DEALER                  For Indian dealers
- INDIA\_PA                        For Indian P&A offices
- REG\_INTERNET\_USER          For users who also use the web shop, give this role in addition to the normal one.

For a list of what privileges are currently assigned to each role, see the Appendix. You can check in the list of "All assigned rights" to see what rights the user has in total.

In some cases, it may be necessary to assign specific individual rights, for example MEGACPK\_SELECTPLANT to allow the user to change the plant of production for the MegaCPK from Sinnar to Pegnitz. This is done in the list on the bottom.

Changes made are saved immediately. Simply close the dialog with the "X" at top right.

## Creation of license files

### Reset the password

First, select the user in the list and click on "reset password" in the context menu.



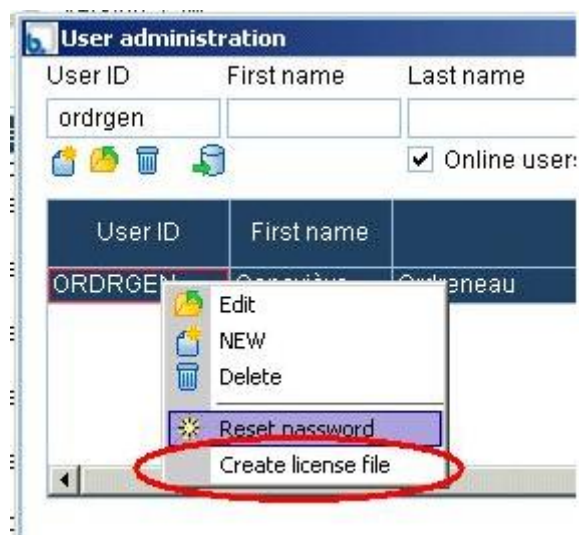
Make a note of the password that was generated (e.g. by copying with Ctrl-C).



If you are sending the license file via e-mail you can then paste the password into the e-mail.

## Create the file

Then select "create license file" from the context menu:



A "file save" dialog will open; navigate to a convenient folder and save the file.

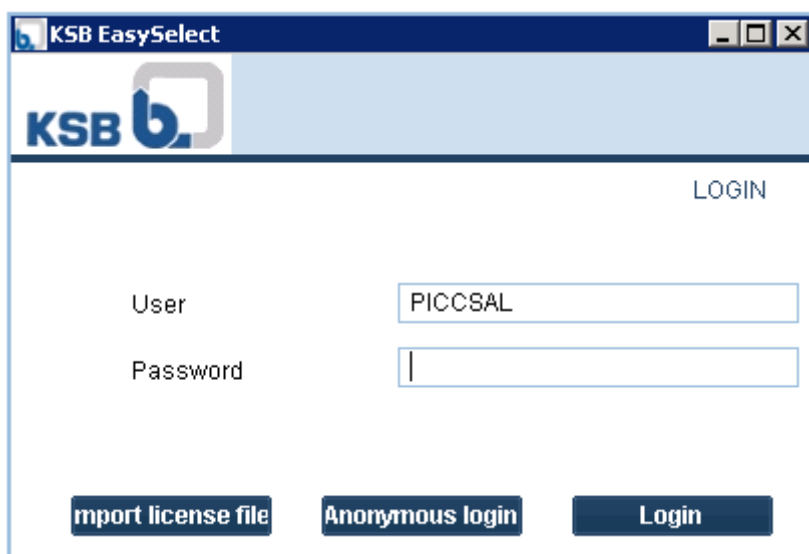
You can attach the file to the e-mail and then send it.

## How to load the license file in the offline version

First of all, the license file must be available in the local file system. If it was received via e-mail, it needs to be saved as a local file.

Further, the password communicated with the license file must be known.

Then start the offline version of KSB EasySelect®; a login dialog appears:



In this dialog, you have the following options:

- Click on "Anonymous login" to start with restricted program features and without price display.
- Enter your user-ID and password and click on Login (for returning users)

- Import a license file (for first time login).

If you click on "Import license file", a "file open" dialog appears. Navigate to the folder with the license file, then select it.

After opening the license file, you can login with the provided password. On the first login, you are asked to change your password to one of your own choice.

On subsequent logins, you don't need to import the license file again, you can log in with the password you created.

## Changing the Currency Exchange Rates

### Contexts for the exchange rate

KSB EasySelect® maintains the currency exchange rates in two separate contexts:

- The master data
- The individual sales document

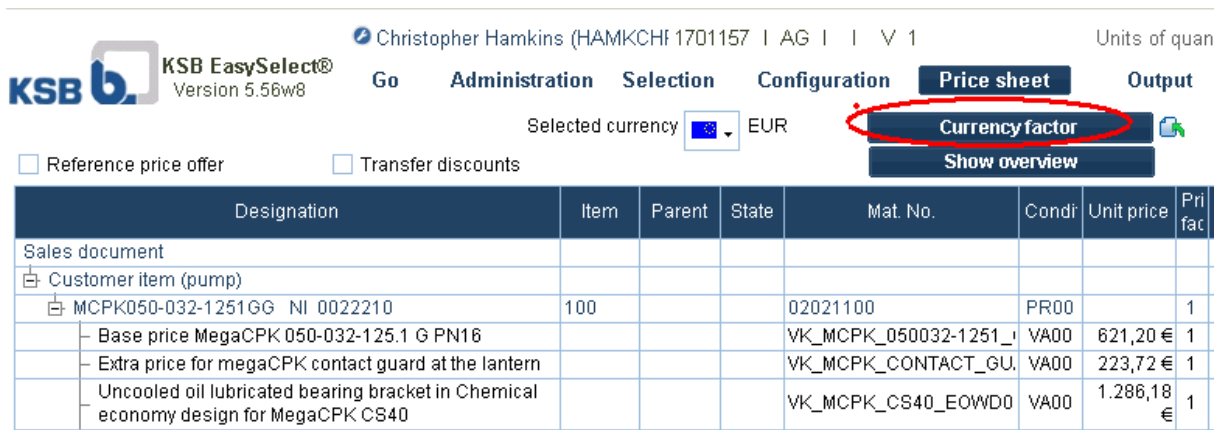
### Master data

The master data is maintained online by the support department in Germany only whenever they receive notice of changes in the exchange rates. The master data in the offline version corresponds to that of the online system at the time of generation of the DVD. It cannot be changed by the user.

### Individual sales document

Each sales document maintains its own currency and its own copy of the currency exchange rates. This allows the user to modify the exchange rates for individual quotations.

The exchange rates are accessed from the price sheet page by clicking on the button "currency factor"



The screenshot shows the KSB EasySelect® software interface. At the top, the user is logged in as Christopher Hamkins (HAMKCHF1701157). The interface includes a navigation bar with tabs: Go, Administration, Selection, Configuration, Price sheet (selected), and Output. Below the navigation bar, there is a 'Selected currency' dropdown set to EUR. A red circle highlights the 'Currency factor' button, which is located next to the 'Show overview' button. Below the buttons, there is a table with columns: Designation, Item, Parent, State, Mat. No., Condi, Unit price, and Pri fac. The table contains several rows of data, including a 'Sales document' row and a 'Customer item (pump)' row. The 'Unit price' column shows values like 621,20 € and 1.286,18 €.

| Designation   | Item | Parent | State | Mat. No.             | Condi | Unit price | Pri fac |
|---|------|--------|-------|----------------------|-------|------------|---------|
| Sales document  |      |        |       |                      |       |            |         |
| Customer item (pump)  |      |        |       |                      |       |            |         |
| MCPK050-032-1251GG NI 0022210   | 100  |        |       | 02021100             | PR00  |            | 1       |
| - Base price MegaCPK 050-032-125.1 G PN16   |      |        |       | VK_MCPK_050032-1251_ | VA00  | 621,20 €   | 1       |
| - Extra price for megaCPK contact guard at the lantern                                |      |        |       | VK_MCPK_CONTACT_GU.  | VA00  | 223,72 €   | 1       |
| - Uncooled oil lubricated bearing bracket in Chemical economy design for MegaCPK CS40 |      |        |       | VK_MCPK_CS40_EOWD0   | VA00  | 1.286,18 € | 1       |



This opens a dialog with the exchange rates:



The values entered will only be used in the current configuration.

|   | ISO currency | Symbol | Factor in database | Current factor |
|---|--------------|--------|--------------------|----------------|
|  | EUR          | €      | 1                  | 1              |
|  | USD          | \$     | 1.325              | 1.325          |
|  | CAD          | \$     | 1.36               | 1.36           |
|  | CHF          | SFr.   | 1.21               | 1.21           |
|  | GBP          | £      | 0.885              | 0.885          |
|  | DKK          | kr     | 7.465              | 7.465          |
|  | SEK          | kr     | 9.1                | 9.1            |
|  | MXN          | \$     |                    | 1              |
|  | AUD          | \$     | 1.335              | 1.335          |
|  | SGD          | \$     | 1.71               | 1.71           |
|  | TRY          | YTL    |                    | 1              |
|  | INR          | Rs.    | 68.8               | 68.8           |
|  | ZAR          | R      | 10.41              | 10.41          |

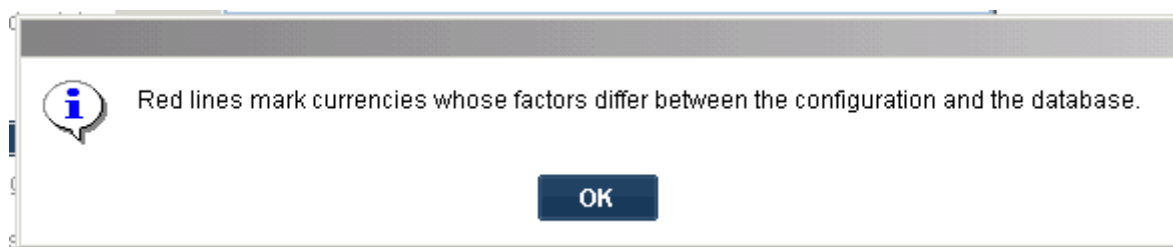
DB-Factor -> Factor      OK      Cancel

User-defined currencies can be created with the "new currency" icon in the upper left. You can always enter a new exchange rate for them (highlighted in blue).

Users with the privilege "CHANGE\_EXCHANGE\_RATES" can also modify the other exchange rates. The modifications are saved in the sales document.

Note: the exchange rate entered is not transmitted to SAP. SAP will recalculate the quotation with its own internal exchange rates after transmission..













When you save the document, and open it again, you will be warned about currencies not matching the exchange rate from the database:



The line not matching will be highlighted in red:

**Currency maintenance**

The values entered will only be used in the current configuration.

|   | ISO currency | Symbol | Factor in database | Current factor |
|---|--------------|--------|--------------------|----------------|
|  | EUR          | €      | 1                  | 1              |
|  | USD          | \$     | 1.325              | 1.325          |
|  | CAD          | \$     | 1.36               | 1.36           |
|  | CHF          | SFr.   | 1.21               | 1.21           |
|  | GBP          | £      | 0.885              | 0.885          |
|  | DKK          | kr     | 7.465              | 7.465          |
|  | SEK          | kr     | 9.1                | 9.1            |
|  | MXN          | \$     |                    | 1              |
|  | AUD          | \$     | 1.335              | 1.335          |
|  | SGD          | \$     | 1.71               | 1.71           |
|  | TRY          | YTL    |                    | 1              |
|  | INR          | Rs.    | 68.8               | 69             |
|  | ZAR          | R      | 10.41              | 10.41          |

DB-Factor -> Factor      OK      Cancel

Click on "OK" to keep the value you entered, or on "DB-Factor -> Factor" to overwrite it with the value from the database.

## Procedures for offline data backup and restore

### Backup

All of the "live data" (sales documents, configurations, user-defined media, user-defined pipe elements...) are saved in the databases

- KSB\_LOCAL\_ADMIN.MDB
- KSB\_LOCAL\_USER.MDB
- KSB\_LOCAL\_USERMEDIUM.MDB
- KSB\_LOCAL\_DYN.MDB

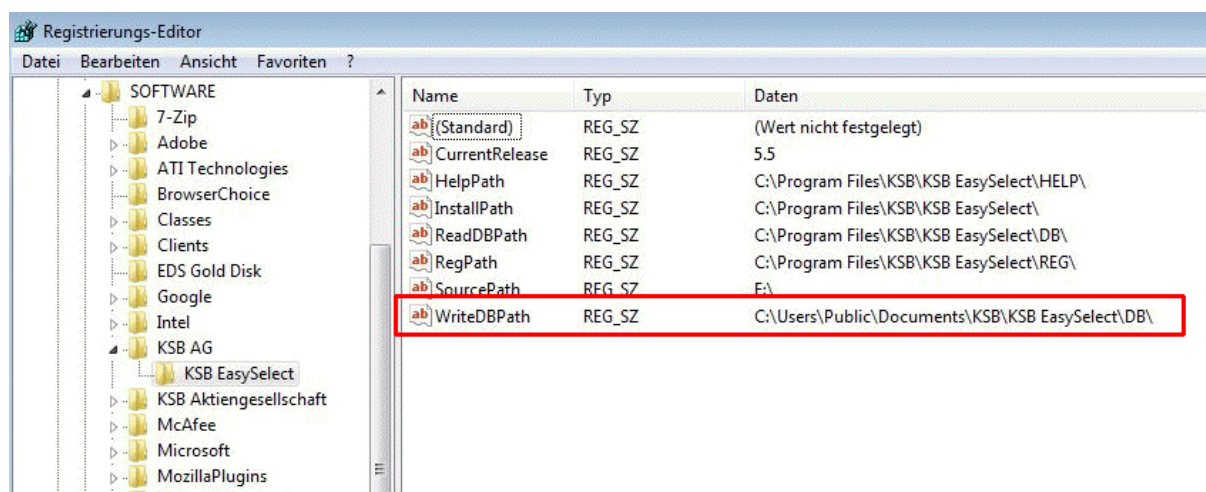
Where these are located depends on the operating system and on the user choices during the installation. For Windows XP they are located by default at

C:\Documents and Settings\All Users\Documents\KSB\KSB EasySelect\DB

and in Windows 7 in

C:\Users\Public\Documents\KSB\KSB EasySelect\DB

The exact path is stored in the registry as follows:



It is sufficient to back up these files to have a complete backup of the live data of KSB EasySelect®.

The KSB\_LOCAL\_UPDATE.mdb file does not need to be backed up.

On a server installation these files are located on the server; only those need to be backed up.

## Restore

To restore the KSB EasySelect® data after a system crash or reinstallation of the operating system, first install a clean new version of KSB EasySelect® offline version directly from the DVD.

After the installation, restore the four files named above from your backup.

## Appendix: Chart of Rights and Roles

| SRIGHT                       | Description   | ANON_-<br>OFF-<br>LINE | IN-<br>DIA_-<br>DEA-<br>LER | INDIA_-<br>PA | INDIA-<br>_SALE<br>S | REG_-<br>INTER-<br>NET_-<br>USER |
|------------------------------|---|------------------------|-----------------------------|---------------|----------------------|----------------------------------|
|                              |   |                        |                             |               |                      |                                  |
| ACCESS_ADMIN_FUNC            | Allows the user to see the administration page to open and save sales documents and versions. | x                      | x                           | x             | x                    |                                  |
| AMADS_CONF                   | Allows configuration of the "Ama-DS" solids separation system.                                |                        |                             |               |                      |                                  |
| AMAREXKRT_BUSINESS_3+        | Allows BT3 configuration for Amarex KRT   |                        |                             |               |                      |                                  |
| AMA-<br>REXKRT_BUSINESS_3DOC | Allows 'documented' BT3 configuration for Amarex KRT  |                        |                             |               |                      |                                  |
| AMAREXKRT_CC_CONFIG          | Allows access to features reserved for the P&A for the product Amarex KRT                     |                        |                             |               |                      |                                  |
| AMAREXKRT_CONF               | Allows selection and configuration of the product Amarex KRT                                  | x                      |                             |               |                      | x                                |
| AMAREXN_BUSINESS_3+          | Allows BT3 configuration for Amarex N   |                        |                             |               |                      |                                  |
| AMAREXN_BUSINESS_3DOC        | Allows 'documented' BT3 configuration for Amarex N  |                        |                             |               |                      |                                  |
| AMAREXN_CC_CONFIG            | Allows access to features reserved for the P&A for the product Amarex N                       |                        |                             |               |                      |                                  |
| AMAREXN_CONF                 | Allows selection and configuration of the product Amarex N                                    | x                      |                             |               |                      | x                                |
| AMRI_BUSINESS_3+             | Allows BT3 configuration for Amri products  |                        |                             |               |                      |                                  |
| AMRI_BUSINESS_3DOC           | Allows 'documented' BT3 configuration for Amri products                                       |                        |                             |               |                      |                                  |
| AMRI_CC_CONFIG               | Allows access to features reserved for the P&A for the Amri products                          |                        |                             |               |                      |                                  |
| AMRI_CONF                    | Allows selection and configuration of the Amri products                                       | x                      |                             |               |                      | x                                |
| AUTOM_BUSINESS_3+            | Allows BT3 configuration for Automation products  |                        |                             |               |                      |                                  |
| AUTOM_BUSINESS_3DOC          | Allows 'documented' BT3 configuration for Automation products                                 |                        |                             |               |                      |                                  |
| AUTOM_CC_CONFIG              | Allows access to features reserved for the P&A for the product Automation products            |                        |                             |               |                      |                                  |
| AUTOM_CONF                   | Allows selection and configuration of the product Automation products                         | x                      |                             |               |                      | x                                |
| BOA_BUSINESS_3+              | Allows BT3 for Boa family valves  |                        |                             |               |                      |                                  |
| BOA_BUSINESS_3DOC            | Allows documented BT3 for Boa family valves.  |                        |                             |               |                      |                                  |
| BOA_CC_CONFIG                | Allows special P&A functions for Boa family valves  |                        |                             |               |                      |                                  |

|                          |  |   |   |   |   |   |
|--------------------------|--|---|---|---|---|---|
| BOA_CONF                 | Allows configuration of Boa family valves  | x |   |   |   | x |
| BUILDSERV_BUSINESS_3+    | Allows BT3 configuration for building services products  |   |   |   |   |   |
| BUILD-SERV_BUSINESS_3DOC | Allows 'documented' BT3 configuration for building services products   |   |   |   |   |   |
| BUILDSERV_CC_CONFIG      | Allows access to features reserved for the P&A for the product building services products                                  |   |   |   |   |   |
| BUILDSERV_CONF           | Allows selection and configuration of the product building services products   | x |   |   |   | x |
| CAD_FILES                | Allows selection of the CAD files on the output page   | x | x | x | x | x |
| CHANGE_COUNTRY           | Allows the user to change the "customer country" for the sales document.   |   | x | x | x |   |
| CHANGE_EXCHANGE_RATES    | Allows the user to change exchange rates for currencies that in the database in addition to those that he defined himself. |   |   |   |   |   |
| CHANGE_PWD               | Allows the user to change his password.  |   | x | x | x | x |
| COMPACTA_BUSINESS_3+     | Allows BT3 configuration for COMPACTA  |   |   |   |   |   |
| COMPACTA_BUSINESS_3DOC   | Allows 'documented' BT3 configuration for COMPACTA   |   |   |   |   |   |
| COMPACTA_CC_CONFIG       | Allows access to features reserved for the P&A for the product COMPACTA  |   |   |   |   |   |
| COMPACTA_CONF            | Allows selection and configuration of the product COMPACTA   | x |   |   |   | x |
| COMPLEX_HYD_DESIGN       | Allows configuration of advanced features for the hydraulic design.  |   | x | x | x |   |
| CON_USER_DEF_MEDIA       | Allows the user to create his own fluid data and save them in the database.  | x | x | x | x | x |
| CPK_BUSINESS_3+          | Allows BT3 configuration for CPK   |   |   |   |   |   |
| CPK_BUSINESS_3DOC        | Allows 'documented' BT3 configuration for CPK  |   |   |   |   |   |
| CPK_CC_CONFIG            | Allows access to features reserved for the P&A for the product CPK   |   |   |   |   |   |
| CPK_CONF                 | Allows selection and configuration of the product CPK  | x |   |   |   | x |
| DATA_MAINTENANCE         | Allows the user to maintain data in the development system.  |   |   |   |   |   |
| DEA_BUSINESS_3+          | Allows BT3 configuration for DEA   |   |   |   |   |   |
| DEA_BUSINESS_3DOC        | Allows 'documented' BT3 configuration for DEA  |   |   |   |   |   |
| DEA_CC_CONFIG            | Allows access to features reserved for the P&A for the product DEA   |   |   |   |   |   |
| DEA_CONF                 | Allows selection and configuration of the product DEA  | x |   |   |   | x |
| DRAG_DROP_ALLOWED        | Allows "drag and drop" in the component tree to sort items.  | x | x | x | x |   |

|                             |   |   |   |   |   |   |
|-----------------------------|---|---|---|---|---|---|
| EDIT_DATA_SHEET             | Allows the user to edit the data sheet for BT3 configurations.  |   |   | x | x |   |
| ETA_BUSINESS_3+             | Allows BT3 configuration for ETA  |   |   |   |   |   |
| ETA_BUSINESS_3DOC           | Allows 'documented' BT3 configuration for ETA   |   |   |   |   |   |
| ETA_CC_CONFIG               | Allows access to features reserved for the P&A for the product ETA  |   |   |   |   |   |
| ETA_CONF                    | Allows selection and configuration of the product ETA   | x |   |   |   | x |
| EXPERT_MODE                 | Allows the user to activate the expert mode.  | x | x | x | x | x |
| EXT_PUMPED_MEDIA_L          | User can see a larger list of fluid media ("extended pumped media list")  |   | x | x | x |   |
| FIXSAPCHARACTERISTICS       | User can edit the SAP characteristics before transmission of an item to SAP. ("Side entry"). Similar to manual configuration in SAP.                                    |   |   |   |   |   |
| LOAD_CONFIG                 | Allows the user to open sales documents which were saved in the database.   | x | x | x | x | x |
| MAINTAIN_PRICES             | Allows the user to enter prices manually.   |   | x | x | x |   |
| MARGIN_CALCULATOR           | Allows the user to see the margin calculator.   |   |   |   |   |   |
| MATERIAL_VARIANTS           | Allows the user to use the item to define a "material variant", i.e. an ident-number product whose configuration will become the same as the currently configured item. |   |   |   |   |   |
| MEGACPK_BUSINESS_3+         | Allows BT3 for MegaCPK  |   |   | x | x |   |
| MEGACPK_BUSINESS_3DOC       | Allows documented BT3 for MegaCPK.  |   |   | x | x |   |
| MEGACPK_CC_CONFIG           | Allows special P&A functions for MegaCPK  |   |   | x |   |   |
| MEGACPK_CONF                | Allows configuration of MegaCPK   | x | x | x | x | x |
| MEGACPK_SELECTPLANT         | Allows selection of plant of production for the MegaCPK.  |   |   |   |   |   |
| MIXERS_BIOGAS_BUSINESS_3+   | Allows BT3 configuration for MIXERS_BIOGAS  |   |   |   |   |   |
| MIXERS_BIOGAS_BUSINESS_3DOC | Allows 'documented' BT3 configuration for MIXERS_BIOGAS   |   |   |   |   |   |
| MIXERS_BIOGAS_CC_CONFIG     | Allows access to features reserved for the P&A for the product MIXERS_BIOGAS  |   |   |   |   |   |
| MIXERS_BIOGAS_CONF          | Allows selection and configuration of the product MIXERS_BIOGAS   |   |   |   |   |   |
| MIXERS_BUSINESS_3+          | Allows BT3 configuration for MIXERS   |   |   |   |   |   |
| MIXERS_BUSINESS_3DOC        | Allows 'documented' BT3 configuration for MIXERS  |   |   |   |   |   |
| MIXERS_CC_CONFIG            | Allows access to features reserved for the P&A for the product MIXERS   |   |   |   |   |   |

|                        |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|
| MIXERS_CONF            | Allows selection and configuration of the product MIXERS  |   |   |   |   |   |
| MOD_C_OTH_SALES_ORG    | Allows the user to load, modify and save sales documents created by users in other sales organizations. |   |   |   |   |   |
| MOD_C_OTH_USER         | Allows the user to load, modify and save sales documents created by other users.                        |   | x | x | x |   |
| MOTOR_SOLO_CONF        | Allows selection and configuration of the product MOTOR_SOLO  | x |   |   |   | x |
| MOVITEC_BUSINESS_3+    | Allows BT3 configuration for MOVITEC  |   |   |   |   |   |
| MOVITEC_BUSINESS_3DOC  | Allows 'documented' BT3 configuration for MOVITEC   |   |   |   |   |   |
| MOVITEC_CC_CONFIG      | Allows access to features reserved for the P&A for the product MOVITEC                                  |   |   |   |   |   |
| MOVITEC_CONF           | Allows selection and configuration of the product MOVITEC   | x |   |   |   | x |
| MULTITEC_BUSINESS_3+   | Allows BT3 configuration for MULTITEC   |   |   |   |   |   |
| MULTITEC_BUSINESS_3DOC | Allows 'documented' BT3 configuration for MULTITEC  |   |   |   |   |   |
| MULTITEC_CC_CONFIG     | Allows access to features reserved for the P&A for the product MULTITEC                                 |   |   |   |   |   |
| MULTITEC_CONF          | Allows selection and configuration of the product MULTITEC  | x |   |   |   | x |
| N_STAND_DOC            | Allows the user to select non-standard (BT3) documentation.   |   |   | x | x |   |
| N_STAND_DRIVE          | Allows the user to select non-standard drive group components like coupling, baseplate.                 |   |   | x | x |   |
| N_STAND_FLANGE         | Allows the user to select non-standard flange connections.  |   |   | x | x |   |
| N_STAND_MOTOR          | Allows the user to select non-standard (BT3) special motors.  |   |   | x | x |   |
| N_STAND_P_COATING      | Allows the user to select non-standard (BT3) coatings.  |   |   | x | x |   |
| N_STAND_PACKAGING      | Allows the user to select non-standard (BT3) packaging.   |   |   | x | x |   |
| N_STAND_SHAFT_SEAL     | Allows the user to select non-standard (BT3) shaft seals.   |   |   | x | x |   |
| NO_SESSION_TIMEOUT     | Allows the user to work in the webshop without getting any timeout.                                     | x | x | x | x | x |
| OMEGA_BUSINESS_3+      | Allows BT3 configuration for OMEGA  |   |   |   |   |   |
| OMEGA_BUSINESS_3DOC    | Allows 'documented' BT3 configuration for OMEGA   |   |   |   |   |   |
| OMEGA_CC_CONFIG        | Allows access to features reserved for the P&A for the product OMEGA                                    |   |   |   |   |   |
| OMEGA_CONF             | Allows selection and configuration of the product OMEGA   | x |   |   |   | x |
| PIPE_CALCULATOR        | Allows the user to use the pipe calculator feature.   | x | x | x | x | x |
| RDLO_BUSINESS_3+       | Allows BT3 configuration for RDLO   |   |   |   |   |   |



|                       |   |   |   |   |   |   |
|-----------------------|---|---|---|---|---|---|
| RDLO_BUSINESS_3DOC    | Allows 'documented' BT3 configuration for RDLO  |   |   |   |   |   |
| RDLO_CC_CONFIG        | Allows access to features reserved for the P&A for the product RDLO   |   |   |   |   |   |
| RDLO_CONF             | Allows selection and configuration of the product RDLO  |   |   |   |   |   |
| REFERENCE_PRICE_OFFER | Allows the user to make reference price offers in which YEMC and YEXP are deactivated.                                  |   |   |   |   |   |
| RESERVE_PARTS_SEL     | Allows the user to make reserve parts selections.   |   |   | x | x |   |
| RPH_BUSINESS_3+       | Allows BT3 configuration for RPH  |   |   |   |   |   |
| RPH_BUSINESS_3DOC     | Allows 'documented' BT3 configuration for RPH   |   |   |   |   |   |
| RPH_CC_CONFIG         | Allows access to features reserved for the P&A for the product RPH  |   |   |   |   |   |
| RPH_CONF              | Allows selection and configuration of the product RPH   | x |   |   |   | x |
| SAP_MAINTAIN          | Allows access to the SAP sales document mapping functions needed for programming the SAP interface.                     |   |   |   |   |   |
| SAVE_CHANGE_CONFIG    | Allows the user to change and and save sales documents.   | x | x | x | x | x |
| SAVE_LOAD_USER_PREF   | Allows the user to save his user preferences.   | x | x | x | x | x |
| SEE_ALL_PRICES        | Allows the user to see prices for all products, even those which are not shown in the customer version.                 |   | x | x | x | x |
| SEE_C_OTH_SALES_ORG   | Allows the user to open sales documents which were saved in the database by users from other sales organizations.       |   |   |   |   |   |
| SEE_C_OTH_USER        | Allows the user to open sales documents which were saved by other users.  | x | x | x | x |   |
| SEE_COMP_PRICES       | Allows the user to see detailed price information breakdown on component basis (individual variant conditions and YEMC) |   |   | x | x |   |
| SEE_CUST_SPEC_P_OPT   | Allows the user to see and select customer-specific product options like "BASF execution"                               |   |   | x | x |   |
| SEE_DEBUG_OUTPUT      | Allows the user to see special debugging information to aid program development.  |   |   | x |   |   |
| SEE_INT_DATA_SHEET    | Allows the user to see the internal data sheet.   |   |   | x | x |   |
| SEE_INT_PRICE_SHEET   | Allows the user to see the internal price sheet.  |   |   | x | x |   |
| SEE_LOG_OUTPUT        | Allows the user to see log files containing debugging information to aid program development.                           |   |   |   |   |   |
| SEE_OTH_USER_MEDIA    | Allows user to see user-defined media created by other users.   |   | x | x | x |   |



|                        |  |   |   |   |   |   |
|------------------------|--|---|---|---|---|---|
| SEE_PRICES             | Prices are shown only for users with this privilege                                      |   | x | x | x | x |
| SEE_SAP_CLASSES        | Allows the user to display the SAP classes to see the configurable attributes for the FK |   |   | x |   |   |
| SEWA_BUSINESS_3+       | Allows BT3 configuration for SEWA  |   |   |   |   |   |
| SEWA_BUSINESS_3DOC     | Allows 'documented' BT3 configuration for SEWA   |   |   |   |   |   |
| SEWA_CC_CONFIG         | Allows access to features reserved for the P&A for the product SEWA                      |   |   |   |   |   |
| SEWA_CONF              | Allows selection and configuration of the product SEWA                                   | x |   |   |   | x |
| SPRINKLER_3            | Allows sprinkler pump configuration  |   |   |   |   |   |
| SPRINKLER_MX           | Allows sprinkler pump configuration  |   |   |   |   |   |
| SPRINKLER_MXNGXN       | Allows sprinkler pump configuration  |   |   |   |   |   |
| SPRINKLER_RX           | Allows sprinkler pump configuration  |   |   |   |   |   |
| SPRINKLER_SX           | Allows sprinkler pump configuration  |   |   |   |   |   |
| SPRINKLER_UPA          | Allows sprinkler pump configuration  |   |   |   |   |   |
| SURPRESS_BUSINESS_3+   | Allows BT3 configuration for SURPRESS  |   |   |   |   |   |
| SURPRESS_BUSINESS_3DOC | Allows 'documented' BT3 configuration for SURPRESS                                       |   |   |   |   |   |
| SURPRESS_CC_CONFIG     | Allows access to features reserved for the P&A for the product SURPRESS                  |   |   |   |   |   |
| SURPRESS_CONF          | Allows selection and configuration of the product SURPRESS                               | x |   |   |   | x |
| TEST_FEATURES          | Activates special buttons and commands used for testing only.                            |   |   |   |   |   |
| TRANSFER_KIPSS         | Allows user to make output files for KIPSS interface                                     |   | x | x | x |   |
| TRANSFER_SAP           | Allows the user to transmit configurations to SAP.                                       |   |   | x | x |   |
| TRIACHEM_BUSINESS_3+   | Allows BT3 configuration for TRIACHEM  |   |   |   |   |   |
| TRIACHEM_BUSINESS_3DOC | Allows 'documented' BT3 configuration for TRIACHEM                                       |   |   |   |   |   |
| TRIACHEM_CC_CONFIG     | Allows access to features reserved for the P&A for the product TRIACHEM                  |   |   |   |   |   |
| TRIACHEM_CONF          | Allows selection and configuration of the product TRIACHEM                               | x |   |   |   | x |
| UPA_BUSINESS_3+        | Allows BT3 configuration for UPA   |   |   |   |   |   |
| UPA_BUSINESS_3DOC      | Allows 'documented' BT3 configuration for UPA  |   |   |   |   |   |
| UPA_CC_CONFIG          | Allows access to features reserved for the P&A for the product UPA                       |   |   |   |   |   |
| UPA_CONF               | Allows selection and configuration of the product UPA                                    | x |   |   |   | x |
| USER_ADMINISTRATION    | Allows the user to add new users in the database and maintain the user privi-            |   |   |   |   |   |

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