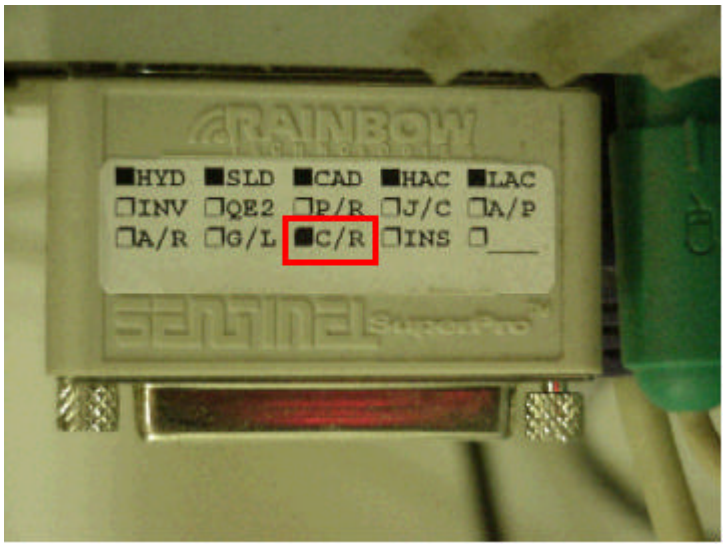
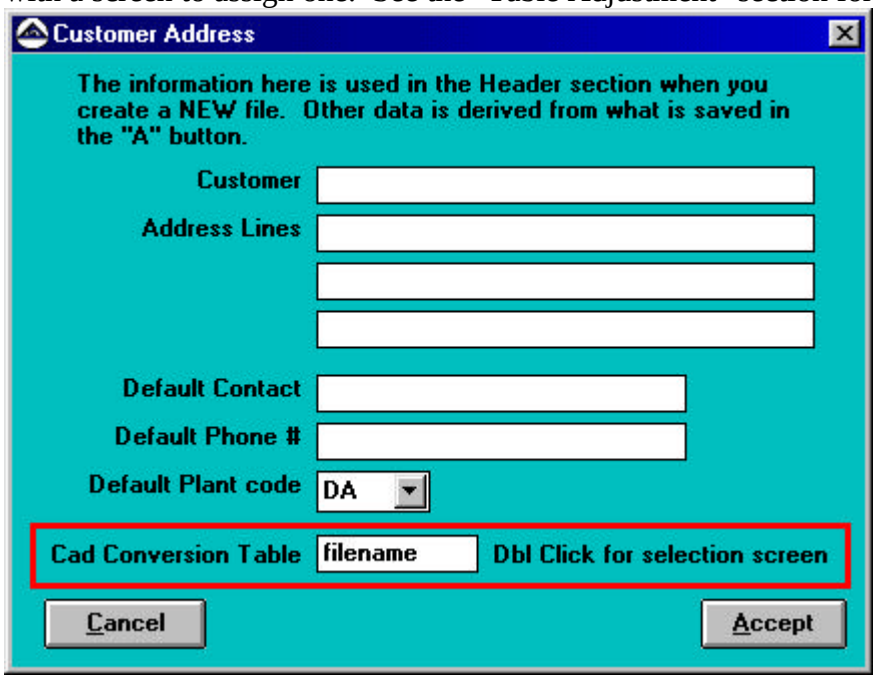
To be able to use the Hydratec Translator program your lock must be enabled. (The box labeled “C/R” must be blackened, as shown below.) If your Hydratec program lock is not “C/R” enabled, then you must contact Hydratec and they will further instruct you. Hydratec phone 603-434-0502, fax 603-434-1348



To Import the files into GemList you must be authorized to have the CAD capability (a file supplied to you) and you must turn the Cad option on from the File Selection menu bar, to allow access to the Cad capabilities. You will then have a CAD selection available on the menu bar of the File Selection screen.

If no Cad Conversion Table (CCT) file has been assigned to the current customer, you will be presented with a screen to assign one. See the "Table Adjustment" section for help in selecting the proper table.



Note: It may be easier to start by using an existing CCT file. Possibly by downloading at the www.gemfab.com web site. Under the “Tools and Upgrades” section or contacting the CR plant.

Hydratec:
Import Translated File:
The Hydratec StockListing Translator creates a .TXT file that GemList can import; this step must be performed with that program to allow GemList to continue the process. You may want to place these .TXT files in their own directory for easier maintenance, but they can also be placed in the same folder as GemList if you desire. The file selection box in the lower left of the screen will list all of the .TXT files it finds in the selected directory. You can Double Click on the desired existing file or type in the name of the Hydratec Translated File name. If you have already filled out the "Job File name", pressing the Enter key while focus is set to the Translated File name will begin the process. Otherwise, fill out a file name (up to eight characters) for the Job File name and press the Enter key to begin the process. You will be warned if you will be overwriting an existing job and if it may be reassigned to another customer if it had previously been loaded elsewhere.

After creating the job .DAT file, you will be presented with a list of problems that occurred during the conversion process. If you do not see this screen, then everything converted 100%. You can continue to leave the "problems" screen active as you peruse the GemList data and make alterations that will ensure an accurately placed list. You may also wish to make alterations to the CAD conversion tables if changes can be made to allow future imports to be handled better.

The Loose section of GemList may contain entries that have used the code of "???" immediately after the import. The description that was in the Translated file will also appear. Try to assign the correct abbreviations prior to leaving the job or GemList as when GemList retrieves the .DAT file, the descriptions will no longer be available.

Table Adjustment:
There are several tables that define how the codes in the Hydratec file should be converted to GemList data. **Most of these are defined in your Hydratec program and you may wish to make the changes there instead of the GemList tables**. Either way, the "Codes" used by Hydratec must match exactly with the GemList conversion tables, which includes any extra spaces between words. Because of this allowed flexibility, each "customer" in the GemList program can be assigned different Cad Conversion Table (CCT) files; this assignment is performed in the Customer Details of the Customer Selection screen. Each CCT file contains definitions for all the available tables that could be used in the conversion (e.g. Diameters, Pipe, Material, etc.). Therefore it is possible to make Copies of an existing table and modify the Codes to match those used by the specific customer as well as adding and deleting items. If one customer has several definition tables used by different designers within the company, you should set them up as different Customers in GemList to allow assignment of the proper CCT file for conversion. Then when you select the CAD "Table Adjustment" option, you will be working on the file assigned to the current customer. Alternatively, you could include extra definitions for the same part that would be found in GemList as long as there were no conflicts.

Using the "+" key or the Add button allows adding new entries just below the currently highlighted entry. The Delete key will allow removing an entry. The entries can be dragged to different rows to customize the order of presentation. Some tables can be temporarily reorganized by double clicking on the column heading that you wish to list by (to return the order to the custom order, leave the table area and return).

Some tables allow the use of the Ins key to bring up the list of all GemList entries available in the system, regardless of Plant or Stock status. Pressing the Enter key or Double Clicking an entry from one of these tables will replace the data in the current Conversion Table (the entry that would be changed is listed at the top of the selection table). You can also quickly move to entries within these selection tables by typing characters; the current search pattern will be displayed in the upper right corner. Typing in a non-alpha-

numeric character will clear the search pattern, but the back space key can shorten the search string. Press the Esc key to abort the selection table option.

The Diameter table is fairly straightforward. Be sure to assign only valid Diameters that will be properly recognized by GemList.

The Pipe table allows conversion of the one digit code used by Hydratec to define the pipe type. In addition, you will need to define if the code assigns the pipe as a Black or Galvanized finish.

The Hanger table allows conversion of the three digit Hydratec hanger codes to one of the four allowable Gem hanger assembly codes. You can add other Cad codes to the table (leaving the Gem code blank) and enter the description and these will be placed in the Non Lister section during a Job import. Rod size will be automatically determined by Ring size (3/8 up to 4", 1/2 up to 8", 5/8 beyond that).

The Material table will be the largest and most complex. Be sure to include extra spaces between words that may have been used in the Hydratec definition codes; these must match exactly or a match will not be made. The finish of a made on item in a Job import will be determined by the Made On pipe. The displayed "Material" table is similar to the Cross Reference table (X-Ref) in Hydratec. The "Code" is used to assign to the Job, the PCP Abbr from Mains and Welds. There can be multiple entries with the same PCP Abbr and Part Mask; this allows variations to be used in the Cad List Output to find the same parts. You can enter NONLIST for the PCP Abbr to enter the imported materials into the NON-LISTER section.

The Part Mask is used to group individual Items that are ordered in the Loose section. These Items can be viewed by pressing the "Items" button to view those items under the current Material code (or any other matches of the Part Mask). The Cad Part Numbers should always be assigned so as to match the Part Mask. Each Item must be assigned a Gem PSN in order for the item to be properly included in the GemList Loose section during a Job import. When a new item is entered, the part mask will be copied into the Part No column. If the last two characters of the Part Mask are ss, the size of the selected PCP, times 10, will be used for the last two characters (e.g. 2.5 will use 25).

The BULL column should be either blank or Y. Y is used to force the fitting to use BULL on the fitting even if the normal procedure of HydraCad that identifies the Tee as a Bull tee is not properly provided in the cad file.

Material Import is available to quickly gather data into the Material and Item tables. These tables are "spool" files (files that have been captured data that would normally have been sent to a printer). It is highly advised that you make a backup of the CCT file prior to performing any imports.

The X-Ref file will add entries to the Material table. Hopefully all entries that may exist in a stocklist will be represented; otherwise they should later be entered manually as discrepancies appear during a Job import. The Part Number file will include individual Part Numbers for each item, which will eventually need to be associated with a Gem PSN. If during this import, a match is not made to the Part Mask of the Materials table, an entry will be made in the Materials table whose code will be a "?" followed by the description in the Part Numbers table; these may need to be modified for clarity, but so long as the item is only ever placed in the Loose section and the PSN is properly assigned, then the bogus Material Code is irrelevant. When item entries have been added and the PSN's have not yet been assigned, the associated Material will be displayed in Red to indicate the needed attention.