Instruction manual for Rotameter- Sizing- Programme

1. Selection of Models, Fluid and working conditions

1.1 If you already know which model you will use then you can select it directly from the upper icon line.

1.2 If you do not know which model will be sufficient for your application then you can first select or input your fluid and your working temperature and pressure. After pressing "Check Values" only these models which are sufficient for these conditions will be shown on the upper icon line. You then have to select one of this. By pressing of "Show all" you can reactivate all models.

1.3 During input of working temperature and pressure you can independently change the values and the units. After pressing of "Check Values" the values and corresponding units will be accepted for the further calculations. If you not select your fluid from the drop-down-list then you have to input viscosity and density in the same way like the working conditions.

1.4 If you obtain error message No.(6) or No.(7) ("Please check the viscosity or density value and the corresponding unit…." after pressing "Check Values" then check your input data or change the corresponding unit to the most suitable one! (For instance for gases at low pressure change density unit from g/cm³ or kg/l to kg/m³!)

2. Selection of Size – Generation of model code

2.1 First always a standard model will be offered. If you do not agree with this proposal you can force the indication of all models complying with your settings by pressing "All models".

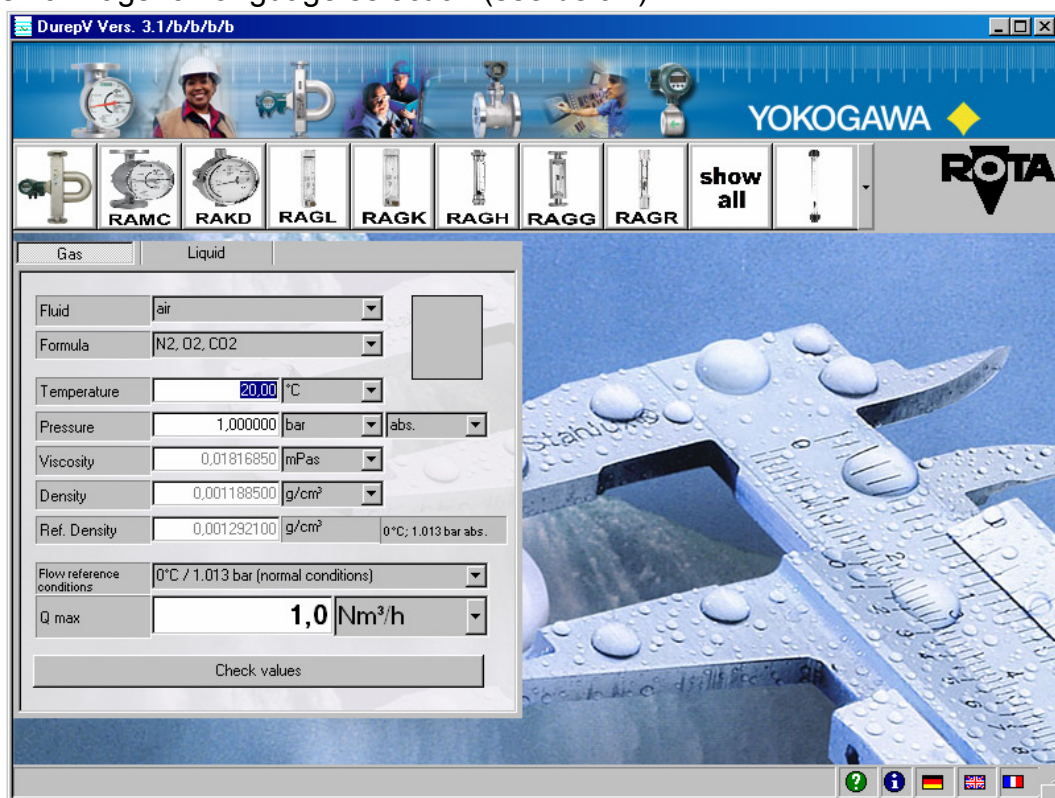2.2 Select one of these models and continue by pressing „Generate Model Code".

3. Output and copy of results

3.1 After selection of all components and sizing relevant options the complete device is defined and the model code is displayed. After pressing the button „Copy to Clipboard (MS Code)" the model code will be available at the Clipboard for inclusion into any text file or other program.

3.2 At the next window you can add supplementing information's and options not being relevant for the sizing.

3.3 If you press the button „Copy to Clipboard" all sizing information's are copied and can be inserted into any document or program.

3.4 By pressing the button „Preview" the printout can be previewed.

3.5 The button "Text Export" allows you to automatically store all the sizing data in a text file (ready for use in SAP in case of option /BD). This file will be stored at an automatically created folder "\SAP" at your home path of the system.

3.6 The button "SAP" allows you to automatically store all the sizing data in a XML-file (ready for import into a SAP purchase order. This xml-file will be stored at an automatically created folder "\SAP" at your home path of the system. In case you have no direct access to SAP you should send the xml-files by e-mail to RYG in order to minimize the time necessary for RYG order handling.

ROTA YOKOGAWA – FLOW CENTER OF EXCELLENCE

3.7 You can store the actual sizing in an internal database by pressing "save". The name of that sizing can be defined in the field „File:"

3.8 By pressing the button "load" stored sizings can be reloaded. After reloading the additional information's on the last window (for instance tag number and so on) can be changed for reprinting. Any other selections or fluid or processing conditions cannot be changed!

3.9 Stored sizings can be deleted from the internal database by pressing the button „delete". On the left side the database will be showed as a table. The dataset which has to be deleted must be selected and then the "del"-key on your keyboard has to be pressed. Finally the database has to be rearranged by pressing the button „Database update".

4. Settings

4.1 If the screen resolution of your computer is not set to the standard value of 96dpi then it might be possible that parts of the input masks will not fit inside the program window. In this cases you can select an other resolution or another window size. You find the corresponding settings dialog by clicking with the right mouse button into the bottom "StatusBarPanel1" right from the small flags for language selection (see below).

4.2 If you like to change the folder where sizing files for SAP are stored you can do this by selecting a new one by clicking with the right mouse button into the bottom "StatusBarPanel1" right from the small flags for language selection:

ROTA YOKOGAWA – FLOW CENTER OF EXCELLENCE