

Instruction manual for Rotamass- Sizing- Programme

1. Selection of Fluid and working conditions

- 1.1 You can first select or input your fluid and your working temperature and pressure. The Fluid properties viscosity and density are calculated automatically for the working conditions (and density for normal conditions for gases).
- 1.2 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.
- 1.3 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

- 2.1 If available always several sizes will be indicated. The preferred size is marked by a blue box frame.
- 2.2 You can compare the different sizes using the indicated information's for accuracy, pressure drop and flow velocity at the 10% and 100% level of the requested maximum flow.
- 2.3 By selecting one of the other sizes you can select this one for further investigation.

3. Output and copy of results

- 3.1 After the selection of one size in the next window a table giving you the results for accuracy, pressure drop, flow velocity and Reynolds-number in dependency on the flow in the range from 10% max flow to 100% max flow will be indicated.
- 3.2 At the next window this information will be shown for accuracy and pressure drop graphically.
- 3.3 At the next window you can add supplementing information's for the printout.
- 3.4 If you press the button „Copy to Clipboard“ all sizing information's are copied and can be inserted into any document or program.
- 3.5 By pressing the button „Preview“ the printout can be previewed.
- 3.6 By pressing the button „Programming-sheet“ an Excel-Workbook will be opened and the appropriate worksheet belonging to the selected size will be activated. This worksheet can be used to define all the presettings for the converter configuration. This information's can be stored as Excel-csv- or text-file by pressing the button "Copy to Editor and .csv". The csv-file can be directly imported to a SAP purchase order.

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).

