

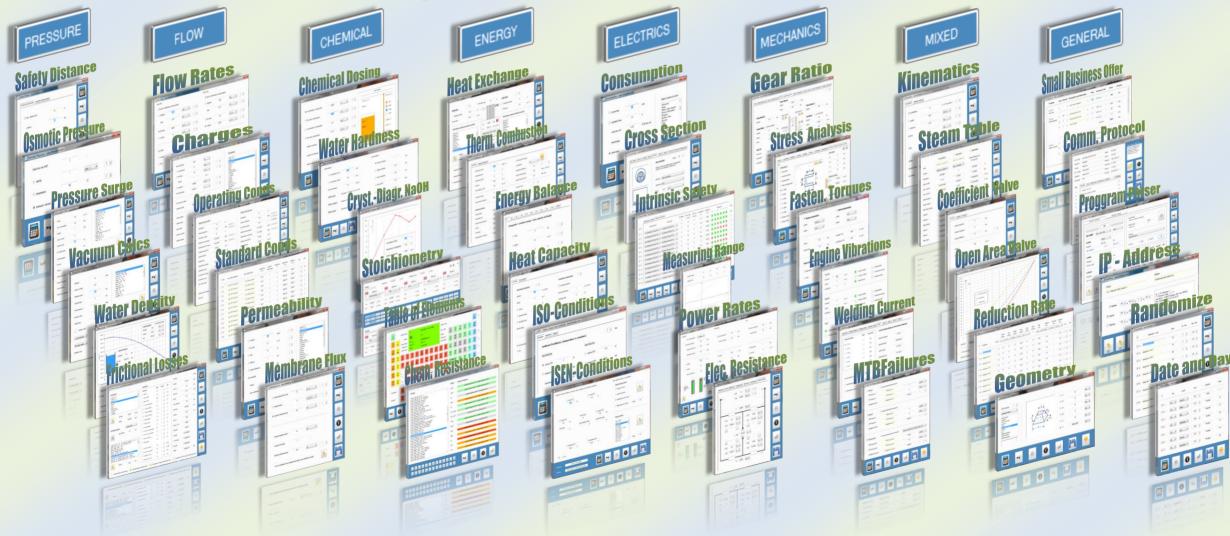
Calculation Tool

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Proper tools are always important – on site and in the office

- 8 Categories
- 48 Programs
- Figured out in more than ten years of commissioning
- Features: Calculate, Print, Erase, Info, Notes, Load / Save, Transfer, Hint



Features:

For the programs there are 8 different features provided.



Calculate results



Make your own notes



Print a calculation report



Save and restore values



Erase all values at once



Transfer coherent values



Get detailed information



Get important hints



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Pressure:

- Safety Distance
- Osmotic Pressure
- Pressure Surge Analysis
- Vacuum Calculations
- Water Density
- Frictional Losses

Flow:

- Flow Rates
- Charges
- Operating Conditions
- Standard Conditions
- Permeability
- Membrane Flux

Chemical:

- Chemical Dosing
- Water Hardness
- Crystallization Diagr. NaOH
- Stoichiometry
- Periodic Table of Elements
- Chemical Resistance

Energy:

- Heat Exchange
- Thermal Combustion
- Energy Balance
- Heat Capacity
- ISO-Conditions
- ISEN-Conditions

Electrics:

- Consumption
- Cross Section
- Intrinsic Safety
- Measure Range
- Power Rates
- Electrical Resistance

Mechanics

- Gear Ratio
- Stress Analysis
- Torques
- Engine Vibrations
- Welding Current
- Mean Time Between Failures

Mixed:

- Kinematics
- Steam Table
- Coefficient Valve
- Open Area Valve
- Reduction Rate
- Geometry

General:

- Small Business Offer
- Commissioning Protocol
- Program Parser
- IP-Address
- Randomize
- Date Day

HEADER Calculation Tool



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is a collection of at least 48 single calculation programs. These 48 programs are divided up into 8 different categories including 6 independent programs each.

The content selection has figured out within more than ten years of commissioning in the field of water- and exhaust air treatment. Regarding this the most often used calculation- and cross check functions have been picked out to be part of the program header.

Beside the theoretical basics also practical experiences have been taken into consideration for the calculations.

The complexity of the programs is partly very different. Some calculations which are required more or less often for project documentation or design criteria can be quite expensive, if they are done by external companies.

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