Changes to the chemplants package

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Version 0.7.0 – 2019/02/13
• The chemplants package sees the light for the first time.
• First writing of the documentation.

Version 0.8.0 – 2019/02/19
• Implementation of the anchor coordinates nodes in the units code.
• Rewriting of the documentation with coordinate nodes.
• New example using coordinate nodes: absorption and stripping integration.

Version 0.8.1 – 2019/02/20
• Bug fixed: coordinates node are not sensible to the global scale factor.

Version 0.8.2 – 2019/02/20
• New units: lamination valve, inlet, outlet and block.
• Bibliography updating: Ti\textit{k}Z version 3.1.1.

Version 0.8.5 – 2019/02/21
• New units: cyclone, stirred reactor, packed bed reactor and film reactor.
• Units order is changed and categories (documentation sections) have been inserted into the .sty file.

Version 0.9.0 – 2019/02/22
• New definition of centrifugal pump and bottom node addition.
• New units: rotary pump, liquid ring pump, reciprocating pump, fan, centrifugal compressor, rotary compressor, reciprocating compressor, multistage compressor and ejector.
Version 0.9.1 – 2019/02/24

- New units: cone tank, dome tank, floating roof tank, bell gasholder and dry gasholder.

Version 0.9.2 – 2019/02/25

- Review of the film reactor symbol.
- Review of the heat exchangers node names, now defined as shell and pipes for the sake of clearance.

Version 0.9.3 – 2019/02/26

- Review of the cyclone node names.
- New units: fluidized bed reactor, steam trap, scrubber, stratifier and settler.

Version 0.9.4 – 2019/02/26

- New units: gas-liquid separator, kettle boiler, tube bundle evaporator, basket evaporator, climbing film evaporator, stirred crystallizer and pipe bundle crystallizer.

Version 0.9.5 – 2019/03/03

- Review of the kettle boiler node names.
- Review of the code to draw packings: no more sharp knees protruding around units.
- Added a TikZ library to access to the Hobby’s algorithm.
- New units: air heat exchanger, tube bundle heat exchanger, plates heat exchanger, spiral heat exchanger and pipe furnace.

Version 0.9.6 – 2019/03/04

- Review of the stirred reactor and stirred crystallizer node names: now the end of the stirrer is called shaft.
- New units: associative pics for reactors, which are tank reactor, jacket, stirrer, coil, sprayer, bubbler and packing.

Version 0.9.7 – 2019/11/18

- Documentation language revision: thanks to Desi Costa for the help.
- Now also the source code of the documentation is provided with the package.
- Changes are written in a more gracious format.
- Review of the plates heat exchanger: now it is called plate heat exchanger.
• Review of the pipe furnace node names: now the ends of the pipes are called pipes left and pipes right.

• Review of the film reactor: now it is called tube bundle reactor.

• Review of the utility stream style: the default thickness is now very thin.

• Review of the signal style: the default thickness is now very thin and the algorithm to place markings has changed.

• New stream style: secondary stream (provided of thickness customisation command).

• Review of valve and valve triple: these units now accept a new argument for secondary streams thickness.

• Review of actuator: dimensions of this units are now doubled.

• New units: valve quadruple, safety valve.

Version 0.9.8 – 2019/11/19

• The chemplants package is ready to be officially published since, though not complete as I wish, it is mature enough.

• The package is now explicitly covered by the \LaTeX Project Public License (LPPL), versione 1.3c.

• The bibliography database is no more supplied, since it has been embedded into the source file of the documentation.

Version 0.9.9 – 2021/02/25

• Added a TikZ library to better manage arrows on curved and slanted paths.

• Liquid handling machines and gas handling machines have been divided into different subsections.

• The lamination valve has been moved among gas handling units.

• New category of units: solid materials processing units.

• Physical separators and thermal separators have been divided into different subsections.

• New units: silos, spherical tank, drum, compressor, turbine, belt conveyor, screw conveyor, roller conveyor, bucket elevator, cylinder crusher, hammer crusher, mill, extruder, tube bundle heat exchanger var, tunnel furnace, rotary furnace, bag filter, filter press, rotary filter, deck screen, rotary screen and check valve.