sera Compact Tank Dosing Station CTD

Main menu:

- Benefits at a glance
- Technical Data
- 3D Configurator
- Examples for Applications
- Service

# sera Compact Tank Dosing Station CTD

Benefits at a glance:

- Standard product in proven sera quality – „made in Germany".

- Standardized system made out of standardized components.

- High degree of individual adaptability thanks to modular design.

- Wide range of optional, standardized accessories.

- Very simple installation and commissioning thanks to sera's „Plug & Dose".

- Extensive safety upgrades are available.

- Reduced size thanks to a compact and space-saving design.

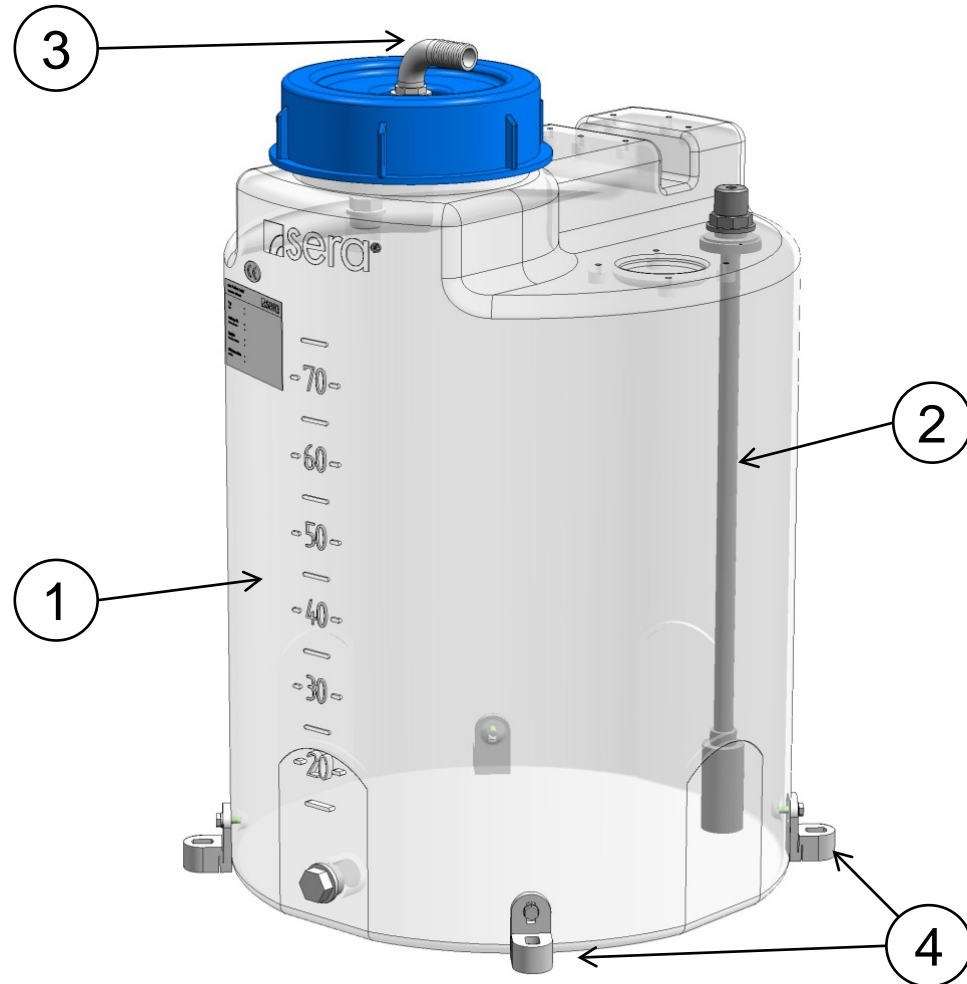- Short delivery times and a high degree of availability.

Benefits at a glance:

■ **Safety upgrades ensure an optimum level of protection for the environment and the operator.**

Collecting basin

Splash guard

Chemical vapour lock
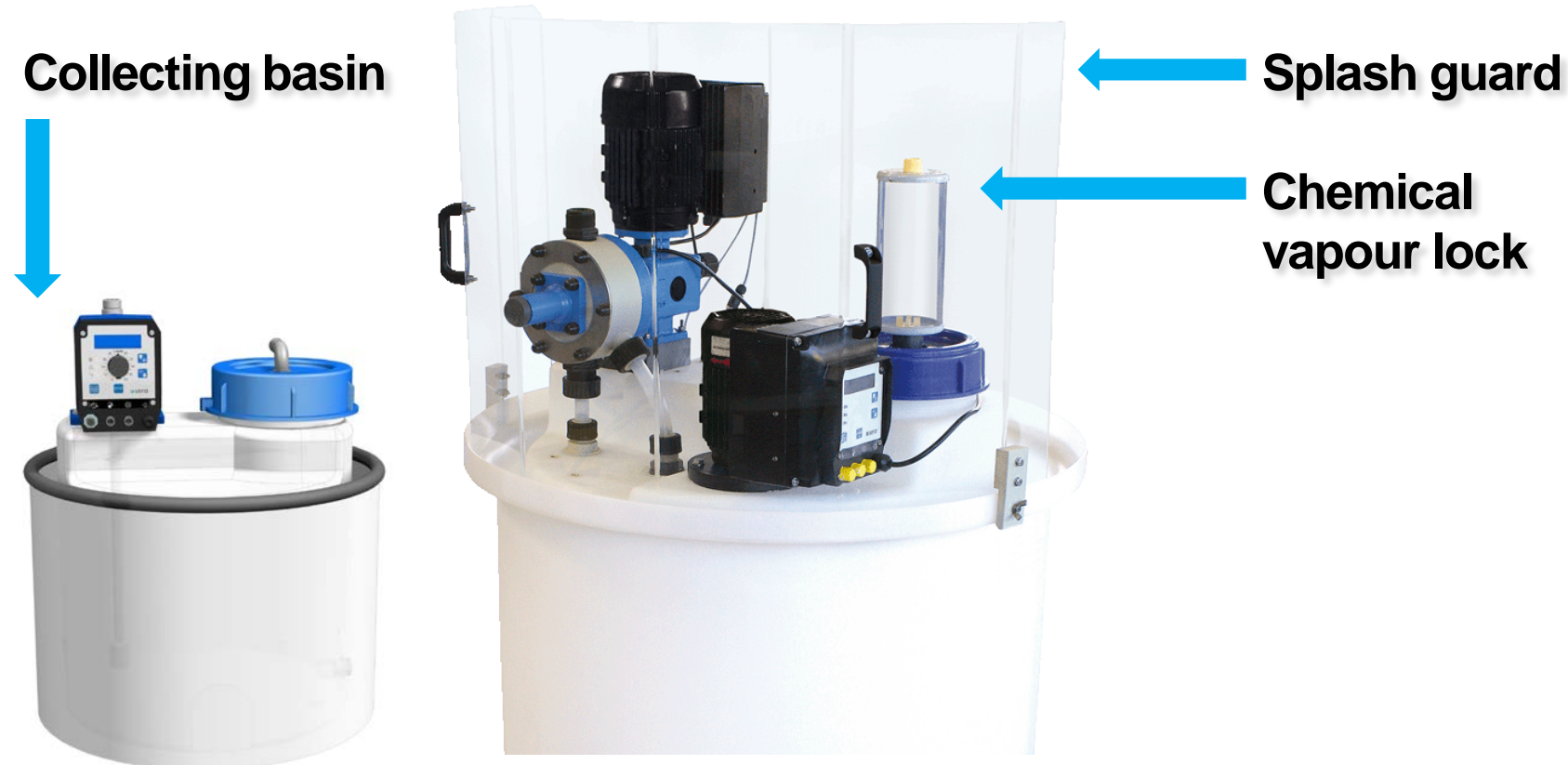
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Main menu

sera CTD Standard package

1.) A PE dosing tank with litre scale and screw cap

2.) Fixing bracket for secure standing of the dosing tank

3.) Ventilation ducts

4.) Suction lance with foot valve and strainer for optimized dosing

next Main menu

sera CTD – Technical data

Technical Data

Type	Container volume L	Suction lance (without pump)	Flow rate l/h	Pump series (option)	Admissible backpressure bar
CTD-40.1	40	DN 5	up to max. 35	R/C 204.1-0,4e … R/C 204.1-35e	up to max. 10
CTD-75.1	75	DN 10	up to max. 180	R/C 204.1-0,4e … R/RF/C 409.2-180e	up to max. 10
CTD-100.1	100	DN 10	up to max. 180	R/C 204.1-0,4e … R/RF/C 409.2-180e	up to max. 10
CTD-200.1	200	DN 10 / DN 15	up to max. 570	R/C 204.1-0,4e … R/RF/C 410.2-570e	up to max. 10
CTD-300.1	300	DN 10 / DN 15	up to max. 570	R/C 204.1-0,4e … R/RF/C 410.2-570e	up to max. 10
CTD-500.1	500	DN 10 / DN 15	up to max. 570	R/C 204.1-0,4e … R/RF/C 410.2-570e	up to max. 10
CTD-1000.1	1000	DN 10 / DN 15	up to max. 570	R/C 204.1-0,4e … R/RF/C 410.2-570e	up to max. 10

sera CTD – Technical data

Dimensions

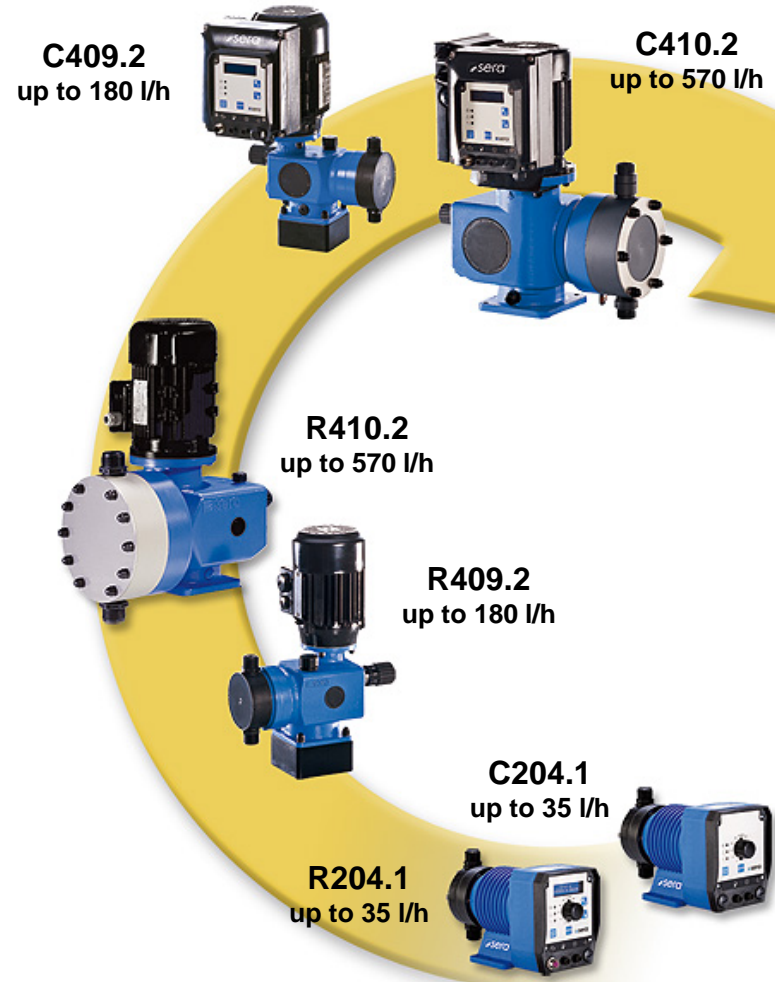| Type	ø A	ø B	ø C	H1	H2	H max.
				mm		
CTD-40.1	500	420	---	425	70	720
CTD-75.1	500	460	560	600	70	990
CTD-100.1	500	460	560	760	70	1150
CTD-200.1	770	670	---	750	100	1250
CTD-300.1	770	670	860	1030	100	1530
CTD-500.1	860	790	960	1170	90	1690
CTD-1000.1	1150	1080	1240	1260	110	1790

sera CTD – Overview of available options

C409.2 up to 180 l/h

C410.2 up to 570 l/h

R410.2 up to 570 l/h

R409.2 up to 180 l/h

C204.1 up to 35 l/h

R204.1 up to 35 l/h

Electric agitator Type MU Speed mixer

Electric agitator Type MU Speed mixer with control electronics

Electric agitator Type MU Slow mixer

PROFIBUS Process Field Bus INTERFACE sera
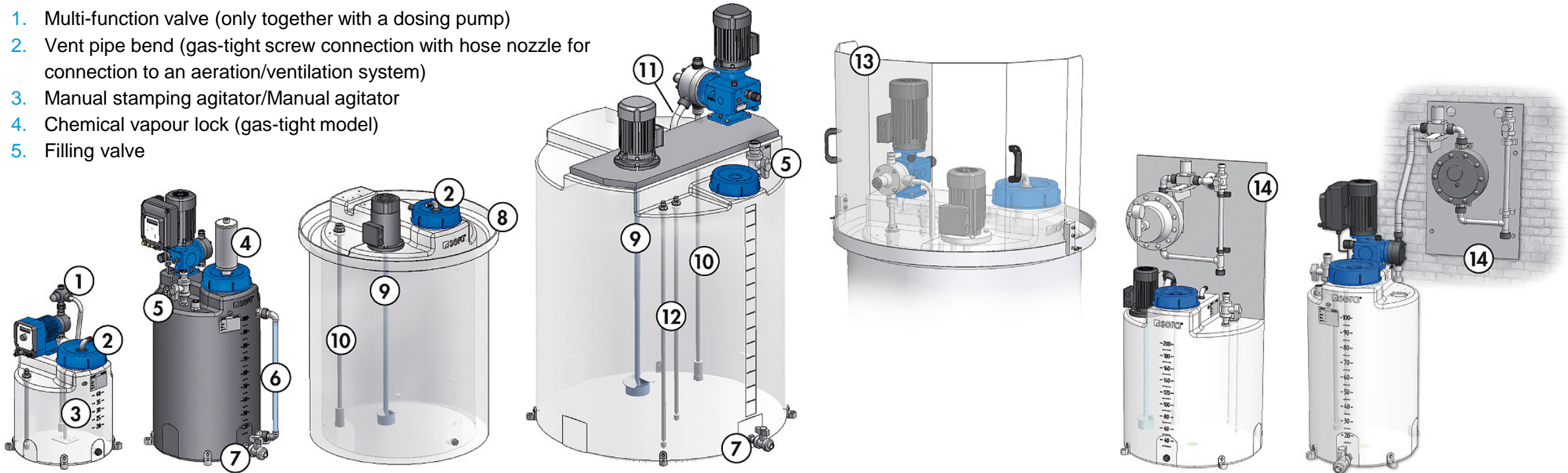
sera CTD – Overview of available options

1. Multi-function valve (only together with a dosing pump)
2. Vent pipe bend (gas-tight screw connection with hose nozzle for connection to an aeration/ventilation system)
3. Manual stamping agitator/Manual agitator
4. Chemical vapour lock (gas-tight model)
5. Filling valve

6. Level indicator, outside (only for tanks made of PE black)
7. Drain valve (not possible with collecting basin)
8. Collecting basin
9. Electric agitator (also available with control electronics)
10. Suction lance
11. Return pipe
12. Level indication (by float switch)
13. Splash guard
14. Dosing Eqipment (DE)
    By default a DE-option consists of:
    • Diaphragm pressure keeping valve,
    • Diaphragm pulsation damper and
    • Ball valve as end valve

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Main menu

3D Configurator CTD

Please choose:

CTD40.1 (Tank size 40 L)

CTD75.1 (Tank size 75 L)

CTD100.1 (Tank size 100 L)

CTD200.1 (Tank size 200 L)

CTD300.1 (Tank size 300 L)

CTD500.1 (Tank size 500 L)

CTD1000.1 (Tank size 1000 L)

Main menu   next

3D Configurator CTD

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Please choose:

CTD40.1 (Tank size 40 L)

CTD75.1 (Tank size 75 L)

CTD100.1 (Tank size 100 L)

CTD200.1 (Tank size 200 L)

CTD300.1 (Tank size 300 L)

CTD500.1 (Tank size 500 L)

CTD1000.1 (Tank size 1000 L)

Main menu   next

3D Configurator CTD

Please choose:

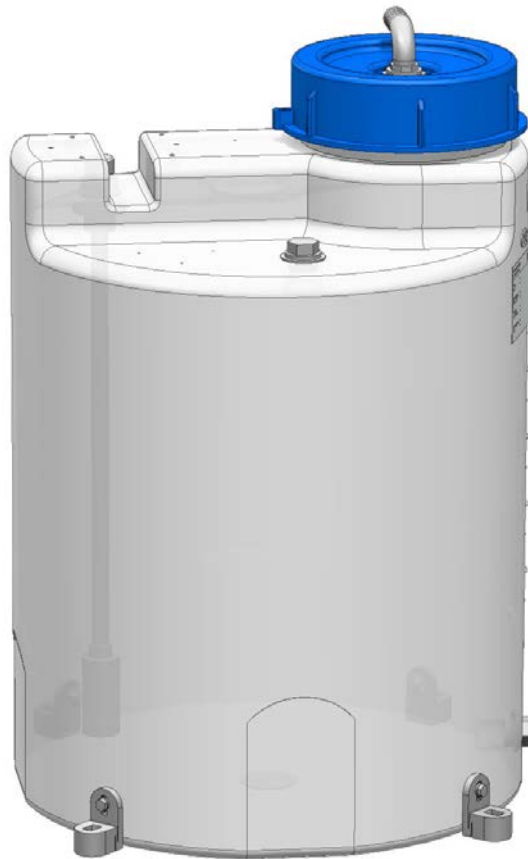CTD40.1 (Tank size 40 L)

CTD75.1 (Tank size 75 L)

CTD100.1 (Tank size 100 L)

CTD200.1 (Tank size 200 L)

CTD300.1 (Tank size 300 L)

CTD500.1 (Tank size 500 L)

CTD1000.1 (Tank size 1000 L)

Main menu   next

3D Configurator CTD

Please choose:

- CTD40.1 (Tank size 40 L)
- CTD75.1 (Tank size 75 L)
- CTD100.1 (Tank size 100 L)
- **CTD200.1 (Tank size 200 L)**
- CTD300.1 (Tank size 300 L)
- CTD500.1 (Tank size 500 L)
- CTD1000.1 (Tank size 1000 L)

Main menu   **next**

3D Configurator CTD

Please choose:

CTD40.1 (Tank size 40 L)

CTD75.1 (Tank size 75 L)

CTD100.1 (Tank size 100 L)

CTD200.1 (Tank size 200 L)

CTD300.1 (Tank size 300 L)

CTD500.1 (Tank size 500 L)

CTD1000.1 (Tank size 1000 L)

Main menu   next

3D Configurator CTD

Please choose:

CTD40.1 (Tank size 40 L)

CTD75.1 (Tank size 75 L)

CTD100.1 (Tank size 100 L)

CTD200.1 (Tank size 200 L)

CTD300.1 (Tank size 300 L)

CTD500.1 (Tank size 500 L)

CTD1000.1 (Tank size 1000 L)

Main menu   next

3D Configurator CTD

Please choose:

CTD40.1 (Tank size 40 L)

CTD75.1 (Tank size 75 L)

CTD100.1 (Tank size 100 L)

CTD200.1 (Tank size 200 L)

CTD300.1 (Tank size 300 L)

CTD500.1 (Tank size 500 L)

CTD1000.1 (Tank size 1000 L)

Main menu   next

3D Configurator CTD40.1

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with solenoid diaphragm pump C204.1 and collecting basin

Standard package with solenoid diaphragm pump C204.1, manual stamping agitator, level indication and drain valve

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Main menu

3D Configurator CTD40.1

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with solenoid diaphragm pump C204.1 and collecting basin

Standard package with solenoid diaphragm pump C204.1, manual stamping agitator, level indication and drain valve

back

Main menu

3D Configurator CTD40.1

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with solenoid diaphragm pump C204.1 and collecting basin

Standard package with solenoid diaphragm pump C204.1, manual stamping agitator, level indication and drain valve

3D Configurator CTD40.1

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with solenoid diaphragm pump C204.1 and collecting basin

Standard package with solenoid diaphragm pump C204.1, manual stamping agitator, level indication and drain valve

back

Main menu

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2 and collecting basin

Standard package with diaphragm pump C409.2, manual stamping agitator and chemical vapour lock

Standard package with diaphragm pump C409.2, manual stamping agitator, filling valve and drain valve

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Main menu

3D Configurator CTD75.1
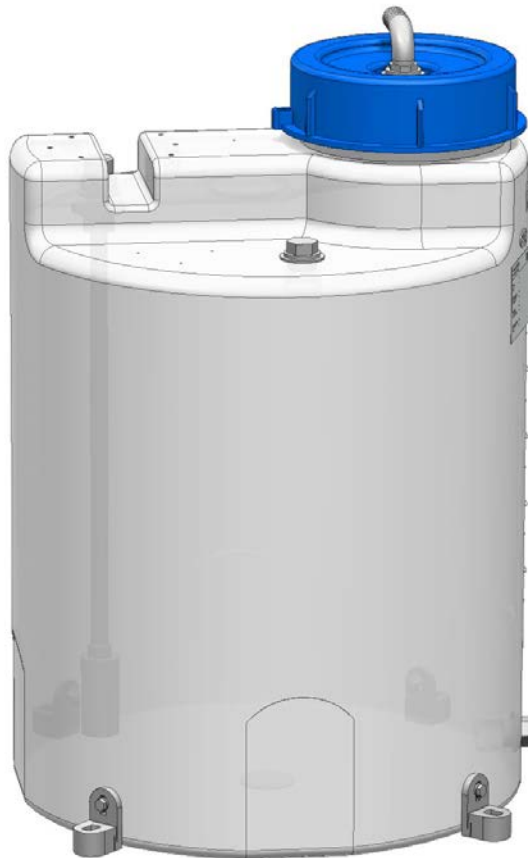
Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2 and collecting basin

Standard package with diaphragm pump C409.2, manual stamping agitator and chemical vapour lock

Standard package with diaphragm pump C409.2, manual stamping agitator, filling valve and drain valve

back

Main menu

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2 and collecting basin

Standard package with diaphragm pump C409.2, manual stamping agitator and chemical vapour lock

Standard package with diaphragm pump C409.2, manual stamping agitator, filling valve and drain valve

back

Main menu

3D Configurator CTD75.1

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

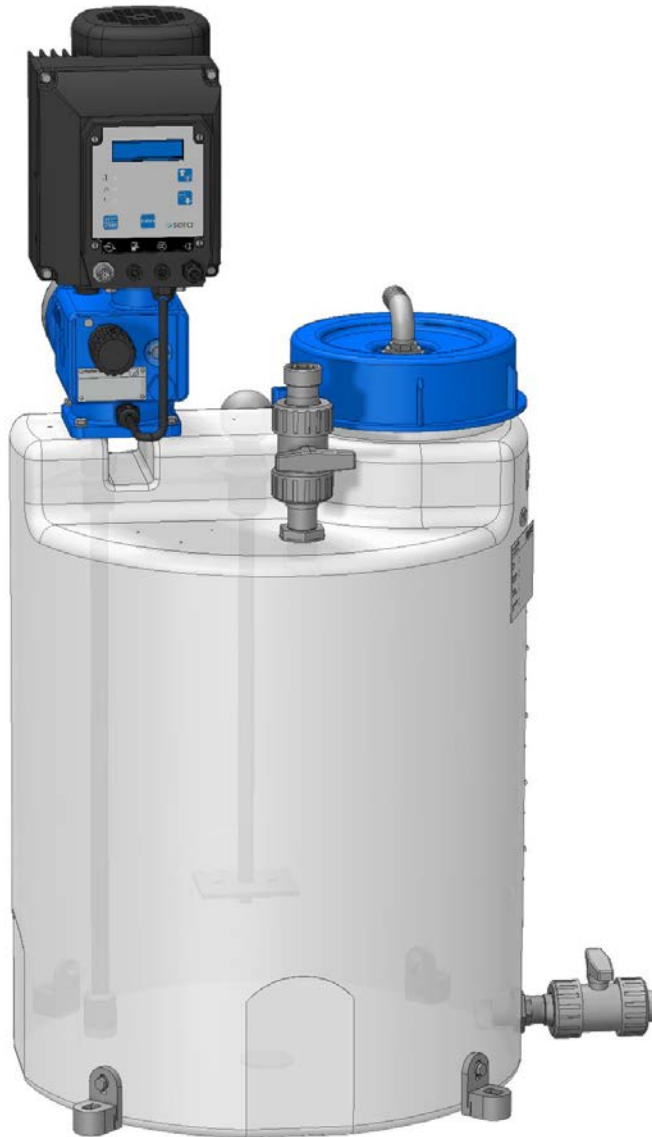Standard package with diaphragm pump R409.2 and collecting basin

Standard package with diaphragm pump C409.2, manual stamping agitator and chemical vapour lock

Standard package with diaphragm pump C409.2, manual stamping agitator, filling valve and drain valve

back

Main menu

3D Configurator CTD75.1

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2 and collecting basin

Standard package with diaphragm pump C409.2, manual stamping agitator and chemical vapour lock

Standard package with diaphragm pump C409.2, manual stamping agitator, filling valve and drain valve

back

Main menu

3D Configurator CTD100.1

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2 and collecting basin

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump C409.2, hand stamping agitator, filling valve and drain valve

back

Main menu

3D Configurator CTD100.1

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Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2 and collecting basin

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump C409.2, hand stamping agitator, filling valve and drain valve

back

Main menu

3D Configurator CTD100.1

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2 and collecting basin

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump C409.2, hand stamping agitator, filling valve and drain valve

back

Main menu

3D Configurator CTD100.1

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Please choose a configuration example:

- Standard package
- Standard package with solenoid diaphragm pump C204.1
- Standard package with diaphragm pump R409.2 and collecting basin
- Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator
- Standard package with diaphragm pump C409.2, hand stamping agitator, filling valve and drain valve

back

Main menu

3D Configurator CTD100.1

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2 and collecting basin

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump C409.2, hand stamping agitator, filling valve and drain valve

back

Main menu

3D Configurator CTD200.1

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Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2, collecting basin, pulsation damper, shut-off valve and pressure relief valve

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump R409.2, hand stamping agitator, filling valve and drain valve

back

Main menu

3D Configurator CTD200.1

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2, collecting basin, pulsation damper, shut-off valve and pressure relief valve

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump R409.2, hand stamping agitator, filling valve and drain valve

back

Main menu

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2, collecting basin, pulsation damper, shut-off valve and pressure relief valve

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump R409.2, hand stamping agitator, filling valve and drain valve

back

Main menu

3D Configurator CTD200.1

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2, collecting basin, pulsation damper, shut-off valve and pressure relief valve

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump R409.2, hand stamping agitator, filling valve and drain valve

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Main menu

3D Configurator CTD200.1

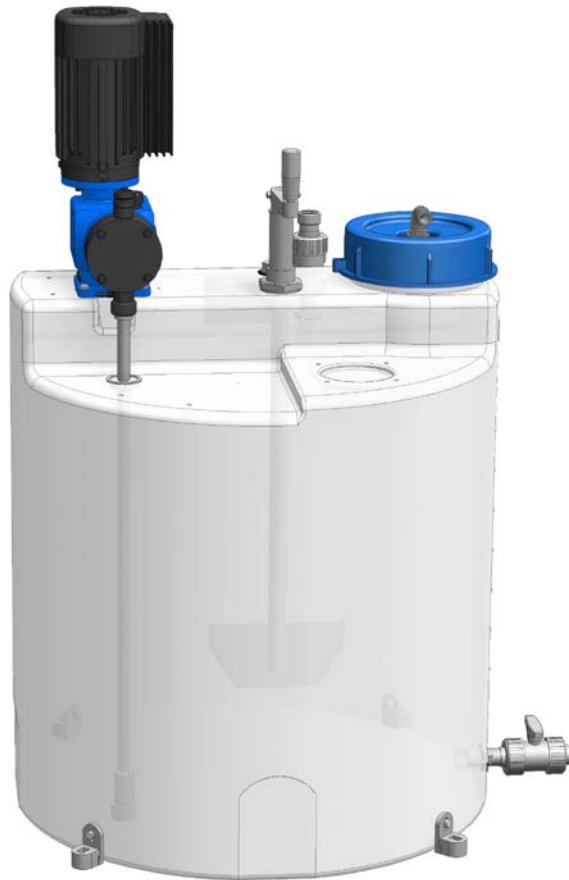

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2, collecting basin, pulsation damper, shut-off valve and pressure relief valve

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump R409.2, hand stamping agitator, filling valve and drain valve

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Main menu

3D Configurator CTD300.1

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Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2, collecting basin, pulsation damper, shut-off valve and pressure relief valve

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump R410.2, hand stamping agitator, filling valve and drain valve

back

Main menu

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2, collecting basin, pulsation damper, shut-off valve and pressure relief valve

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump R410.2, hand stamping agitator, filling valve and drain valve

back

Main menu

3D Configurator CTD300.1

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2, collecting basin, pulsation damper, shut-off valve and pressure relief valve

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump R410.2, hand stamping agitator, filling valve and drain valve

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Main menu

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Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2, collecting basin, pulsation damper, shut-off valve and pressure relief valve

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump R410.2, hand stamping agitator, filling valve and drain valve

back

Main menu

3D Configurator CTD300.1

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2, collecting basin, pulsation damper, shut-off valve and pressure relief valve

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump R410.2, hand stamping agitator, filling valve and drain valve

back

Main menu

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Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2, collecting basin, pulsation damper, shut-off valve and pressure relief valve

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump R410.2, hand stamping agitator, filling valve and drain valve

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Main menu

3D Configurator CTD500.1

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2, collecting basin, pulsation damper, shut-off valve and pressure relief valve

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump R410.2, hand stamping agitator, filling valve and drain valve

back

Main menu

3D Configurator CTD500.1

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2, collecting basin, pulsation damper, shut-off valve and pressure relief valve
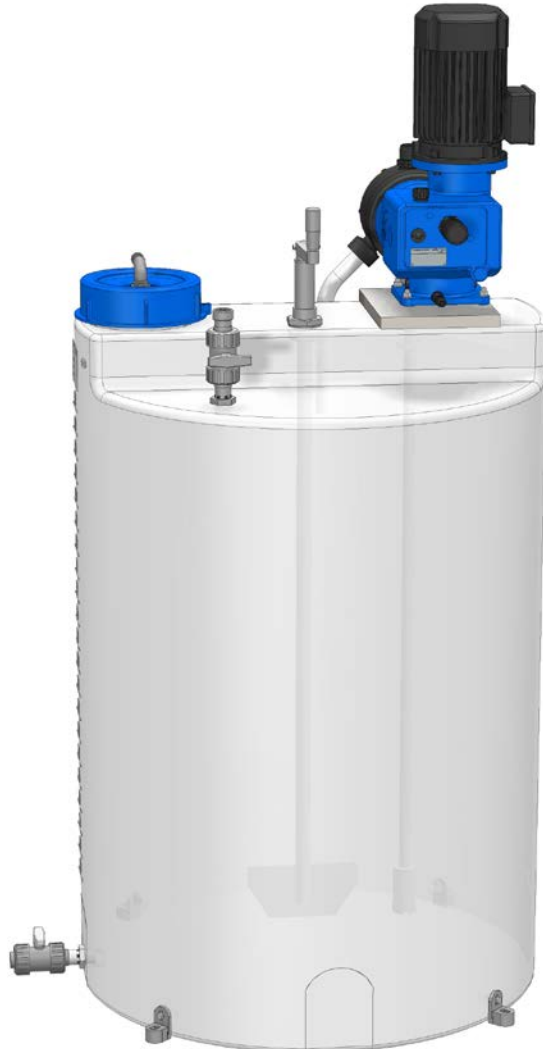
Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump R410.2, hand stamping agitator, filling valve and drain valve

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Main menu

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2, collecting basin, pulsation damper, shut-off valve and pressure relief valve

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump R410.2, hand stamping agitator, filling valve and drain valve

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Main menu

3D Configurator CTD500.1

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2, collecting basin, pulsation damper, shut-off valve and pressure relief valve

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump R410.2, hand stamping agitator, filling valve and drain valve

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Main menu

3D Configurator CTD1000.1

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2, collecting basin, pulsation damper, shut-off valve, pressure relief valve, agitator

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump R410.2, electric agitator, filling valve and drain valve

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Main menu

3D Configurator CTD1000.1

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2, collecting basin, pulsation damper, shut-off valve, pressure relief valve, agitator

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump R410.2, electric agitator, filling valve and drain valve

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Main menu

3D Configurator CTD1000.1

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Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2, collecting basin, pulsation damper, shut-off valve, pressure relief valve, agitator

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump R410.2, electric agitator, filling valve and drain valve

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Main menu

3D Configurator CTD1000.1

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2, collecting basin, pulsation damper, shut-off valve, pressure relief valve, agitator

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump R410.2, electric agitator, filling valve and drain valve
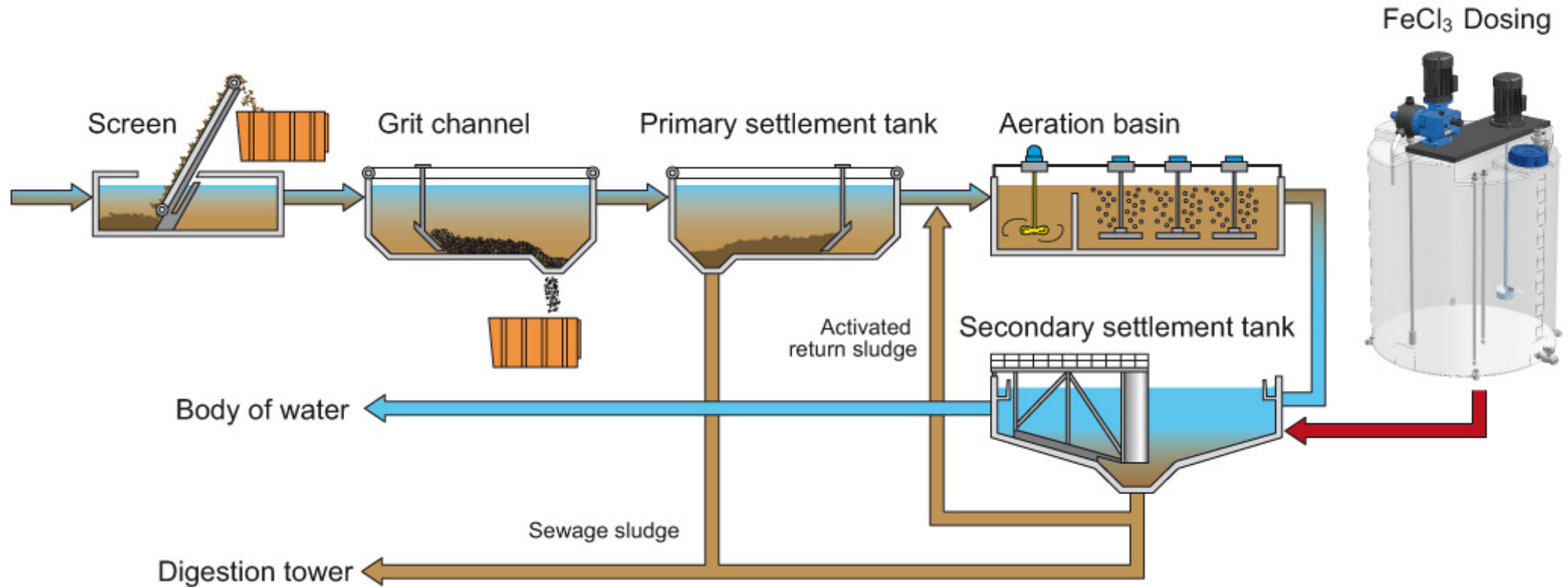
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Main menu

3D Configurator CTD1000.1

Please choose a configuration example:

Standard package

Standard package with solenoid diaphragm pump C204.1

Standard package with diaphragm pump R409.2, collecting basin, pulsation damper, shut-off valve, pressure relief valve, agitator

Standard package with diaphragm pump C409.2, chemical vapour lock and electric agitator

Standard package with diaphragm pump R410.2, electric agitator, filling valve and drain valve

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Main menu

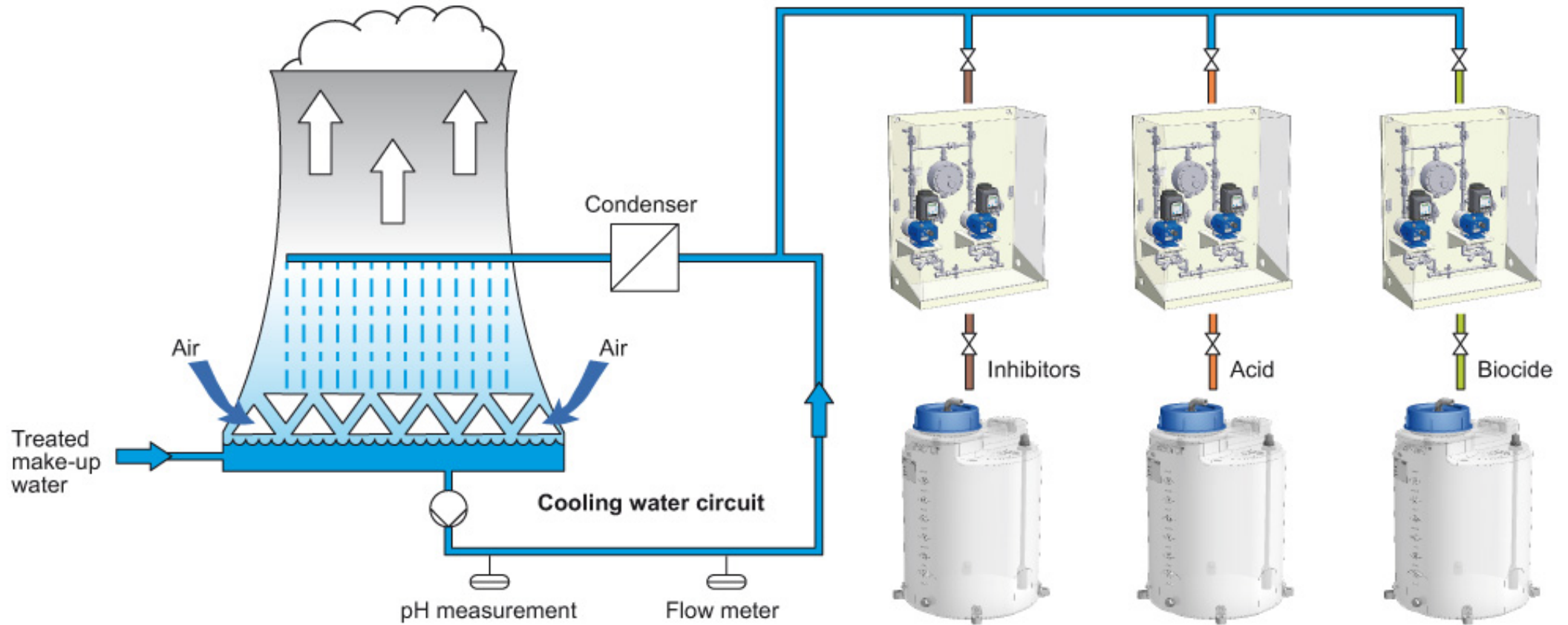**sera**®

Sewage treatment plant: Phosphate precipitation

Screen Grit channel Primary settlement tank Aeration basin FeCl₃ Dosing

Activated return sludge Secondary settlement tank

Body of water

Sewage sludge

Digestion tower

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Main menu

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Power plant: Treatment of cooling water

Examples for applications

Water treatment: pH-neutralizing (flow installation)

Sensor

Measuring

Lye

Acid
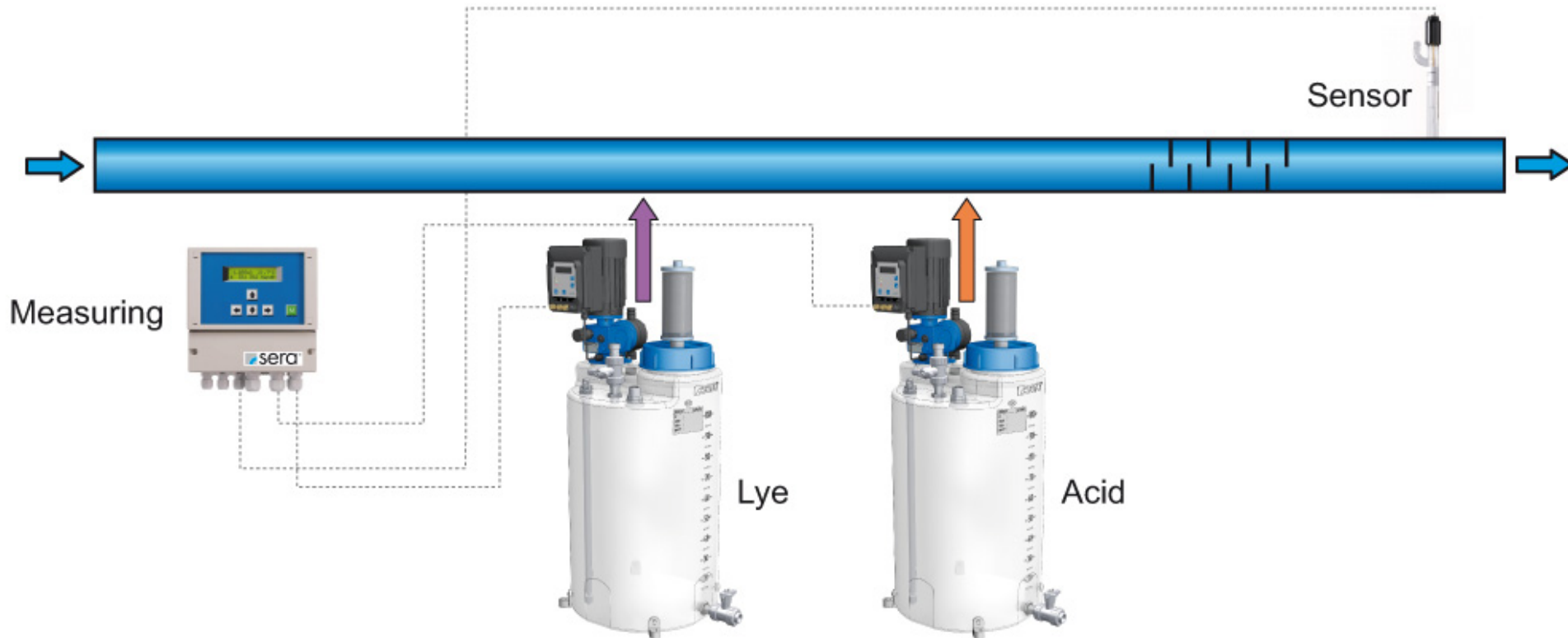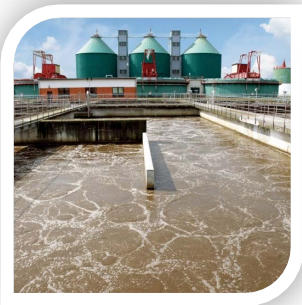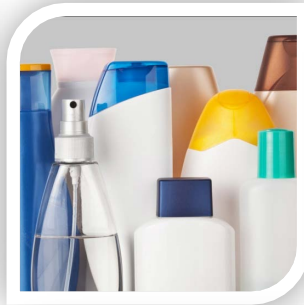
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Further examples for applications

- Wastewater treatment
- Water treatment
- Beverage and brewing
- Food industry
- Chemical industry
- Power plants
- Pulp and paper
- Electroplating

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sera Compact Tank Dosing Station CTD

Benefit from our extensive competence in Pre-Sales and After-Sales Service:

- On-site installation
- Commissioning
- Repair Service
- Worldwide spare parts service
- Maintenance and Inspection
- Service Hotline
- Technical Support
- Customer Training

Main menu