PRODUCT INFORMATION

CVD
COMPACT DOSING SYSTEMS, VERTICAL

INSPIRED. SOLUTIONS. FOR CUSTOMERS.

COMPACT DOSING SYSTEM, VERTICAL

SAMPLE APPLICATIONS

- Drinks industry
- Food industry
- Dye and paint manufacturing
- Power station technology
- Water treatment
- Shipbuilding
- Electroplating
- Textile industry
- Wastewater treatment

ADVANTAGES AT A GLANCE

- Maximum dosing accuracy and safety through the use of the latest dosing and pump technology
- High-quality materials that can be integrated and used flexibly and variably
- Minimal space required on site because of extremely compact design
- Small variety of parts because standard components are used
- Short delivery times and availability
- Minimal installation and commissioning work thanks to **sera** "Plug&Dose" standard configuration

VERSIONS

CVD1 – COMPACT DOSING SYSTEM, VERTICAL

Flow rate: Up to 1450 l/h
Pressure: Up to 10 bar

OVERVIEW

State-of-the-art pump technology
Standardised mounting plates
Space-saving wall mount
Wide range of applications
High standard of safety
Large performance range
High dosing accuracy
Ease of use
Low maintenance
Complete range of accessories

CVD2 – COMPACT DOSING SYSTEM, VERTICAL

Flow rate: Up to 2x 1450 l/h
Pressure: Up to 10 bar

OVERVIEW

State-of-the-art pump technology
Standardised mounting plates
Space-saving wall mount
Wide range of applications
High standard of safety
Large performance range
High dosing accuracy
Ease of use
Low maintenance
Complete range of accessories

TECHNICAL DATA

UNIT DATA		CVD1(s)-60.1	CVD1(s)-550.1	CVD1(s)-1500.1
Flow capacity	l/h	0 - 60	0 - 550	0 - 1500
Permissible counter pressure	bar (max)	10	8	5
Permissible suction head	mWC (max)	3	3	3
Number of pumps	Quantity	1	1	1

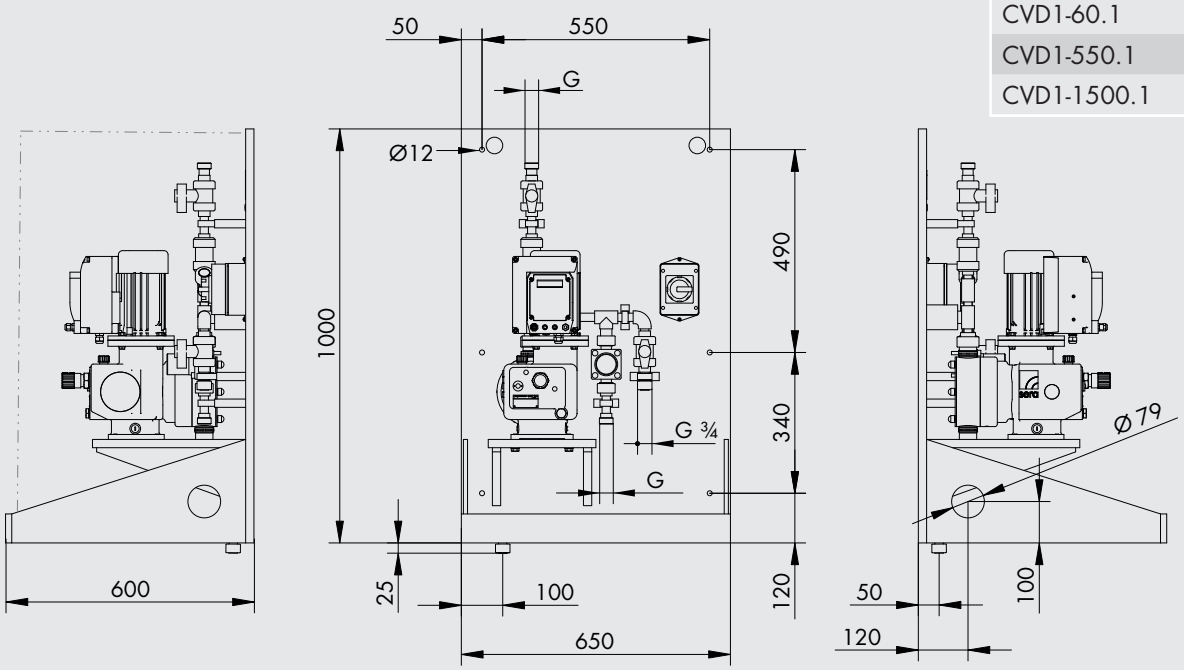
UNIT DATA		CVD2-60.1	CVD2-550.1	CVD2-1500.1
Flow capacity	l/h	2x 0 - 60	2x 0 - 550	2x 0 - 1500
Permissible counter pressure	bar (max)	10	8	5
Permissible suction head	mWC (max)	3	3	3
Number of pumps	Quantity	2	2	2

PUMP ASSIGNMENT			CVD1(s) - 60.1	CVD1(s) - 550.1	CVD1(s) - 1500.1	CVD2 - 60.1	CVD2 - 550.1	CDV2 - 1500.1
C204.1 - 2,4 e	...	C204.1 - 35 e	■			■		
iSTEP S 20	...	iSTEP S 50	■			■		
RF409.2 - 2,4 e	...	RF409.2 - 50 e	■			■		
C409.2 - 25 e...	...	C409.2 - 50 e...	■			■		
RF410.2 - 11 ML	...	RF410.2 - 45 ML	■			■		
C410.2 - 11 ML	...	C410.2 - 45 ML	■			■		
RF409.2 - 75 e	...	RF409.2 - 350 e		■			■	
C409.2 - 75 e...	...	C409.2 - 350 e...		■			■	
RF410.2 - 280 e	...	RF410.2 - 570 e		■			■	
C410.2 - 280 e	...	C410.2 - 570 e		■			■	
RF410.2 - 110 ML	...	RF410.2 - 500 ML		■			■	
C410.2 - 110 ML	...	C410.2 - 500 ML		■			■	
RF410.2 - 570 e	...	RF410.2 - 1450 e			■			■
C410.2 - 570 e	...	C410.2 - 1450 e			■			■
RF410.2 - 1200 ML					■			■
C410.2 - 1200 ML					■			■

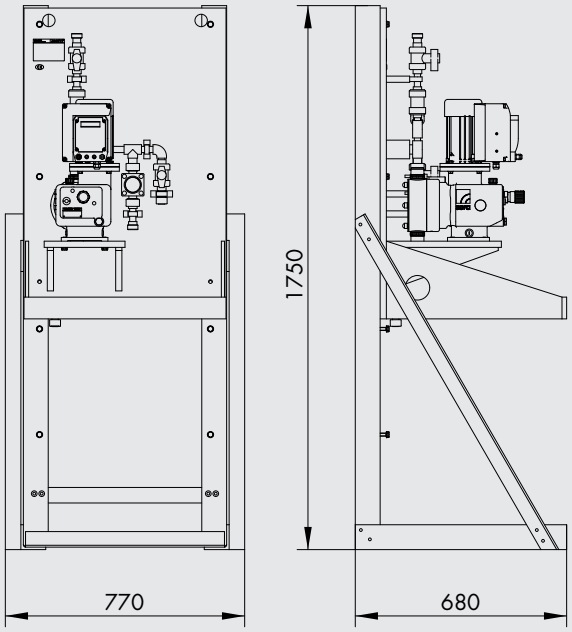
DIMENSIONS CVD1s

CVD1s Wall assembly

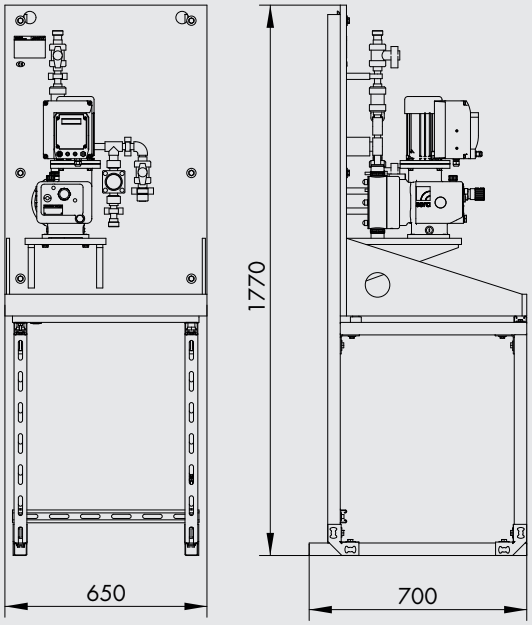
Type	G
CVD1-60.1	G ¾
CVD1-550.1	G1
CVD1-1500.1	G1½



CVD1s Floor assembly (GFR stand)



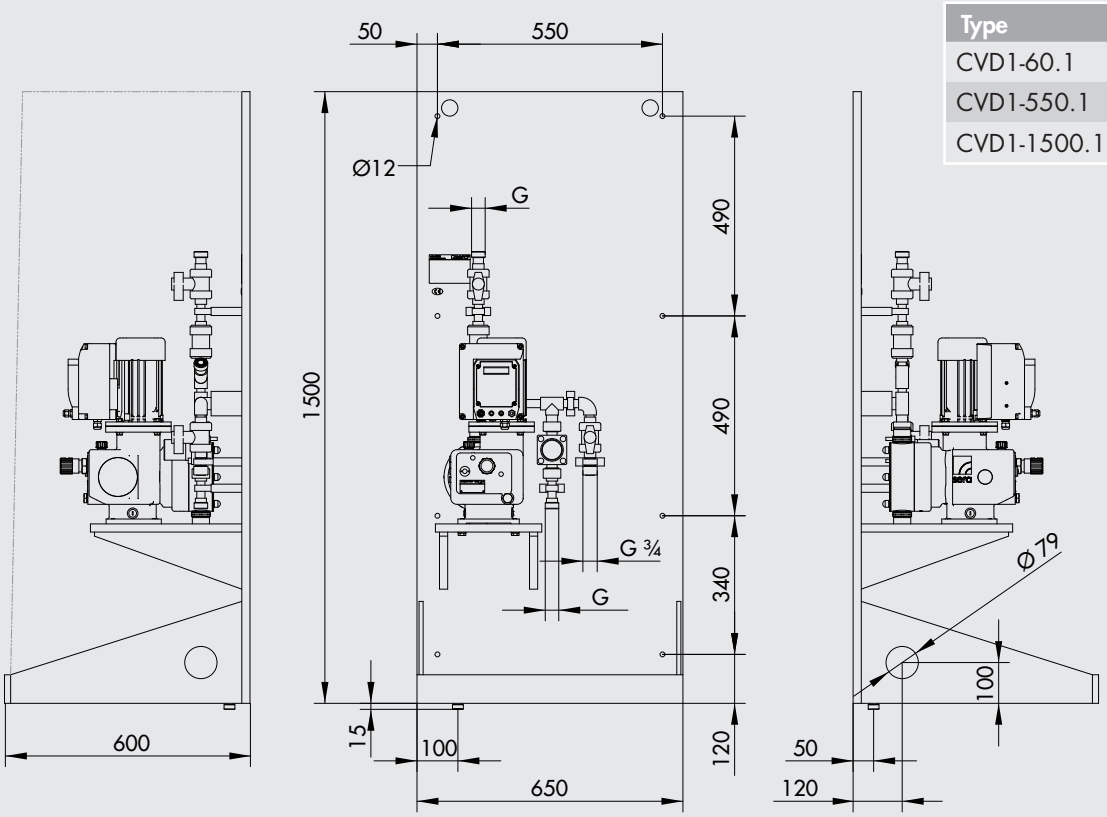
CVD1s Floor assembly (steel stand)



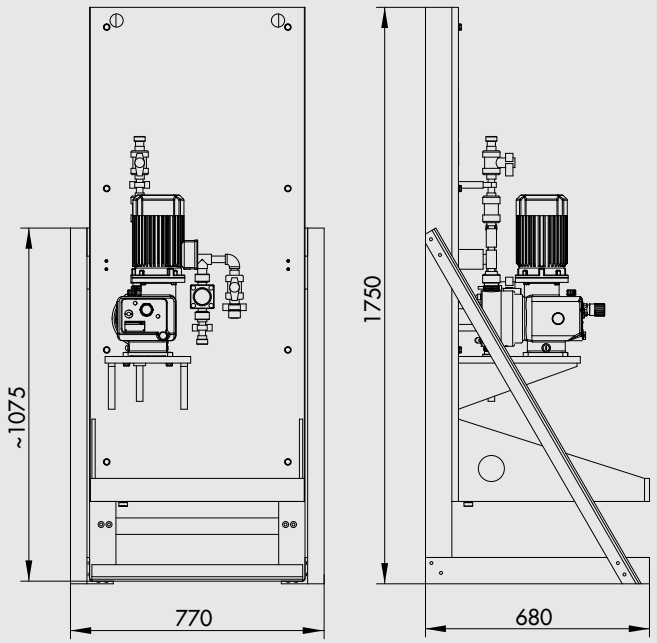
DIMENSIONS CVD1

CVD1 Wall assembly

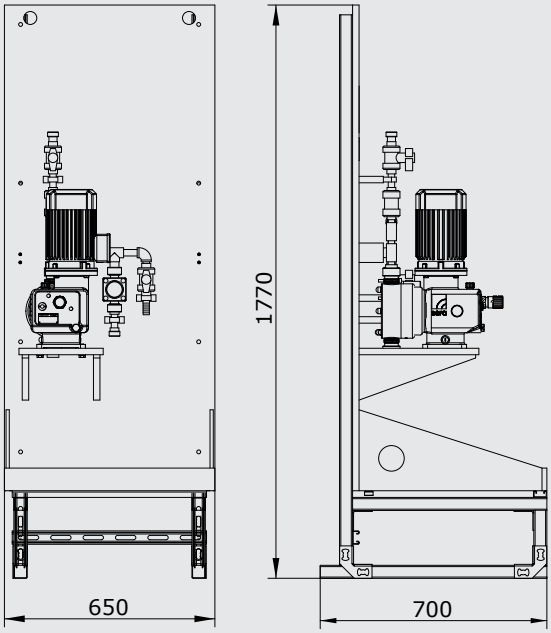
Type	G
CVD1-60.1	G ¾
CVD1-550.1	G1
CVD1-1500.1	G1½



CVD1 Floor assembly (GFR stand)



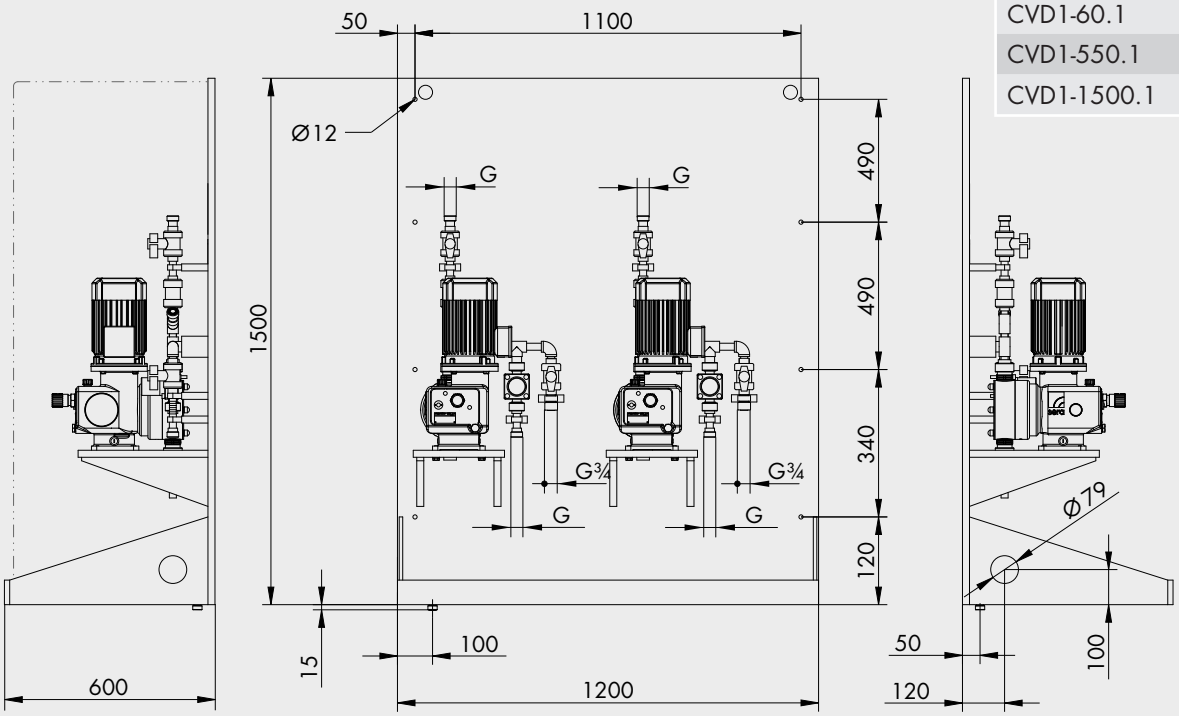
CVD1 Floor assembly (steel stand)



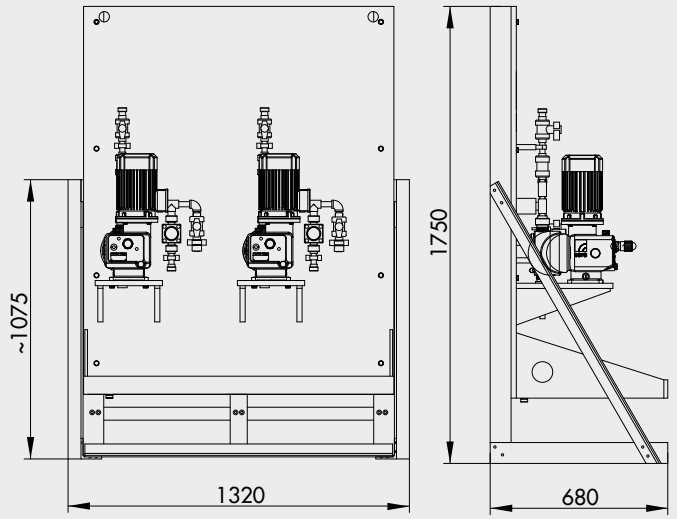
DIMENSIONS CVD2

CVD2 Wall assembly

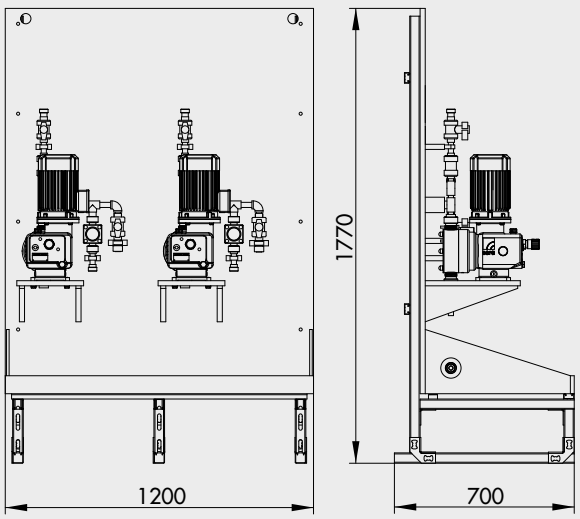
Type	G
CVD1-60.1	G ¾
CVD1-550.1	G1
CVD1-1500.1	G1½



CVD2 Floor assembly (GFR stand)



CVD2 Floor assembly (steel stand)



BASIC DESIGN
CVD1s

DOSING PUMP SELECTION

STEPPER MOTOR PUMPS iSTEP

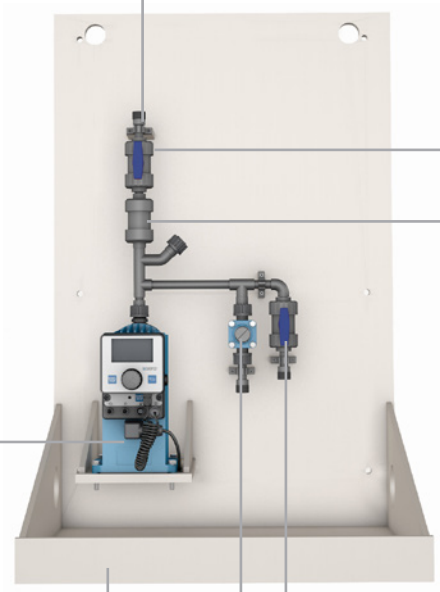
SOLENOID DIAPHRAGM PUMPS R/C204.1

DIAPHRAGM PUMPS RF/C409.2e ...

DIAPHRAGM PUMPS RF/C410.2e

MULTI LAYER DIAPHRAGM PUMPS RF/C409.2ML ...

MULTI LAYER DIAPHRAGM PUMPS RF/C410.2ML



Piping of the pressure-side

End connection External thread

Two-way ball valve (blockage)

Check valve

Two-way ball valve (drainage)

Diaphragm relief valve

Wall mounting plate with drip tray and drainage supports

ADDITIONAL FEATURES
CVD1s

Terminal box

removable
spray protection

(no illustration)

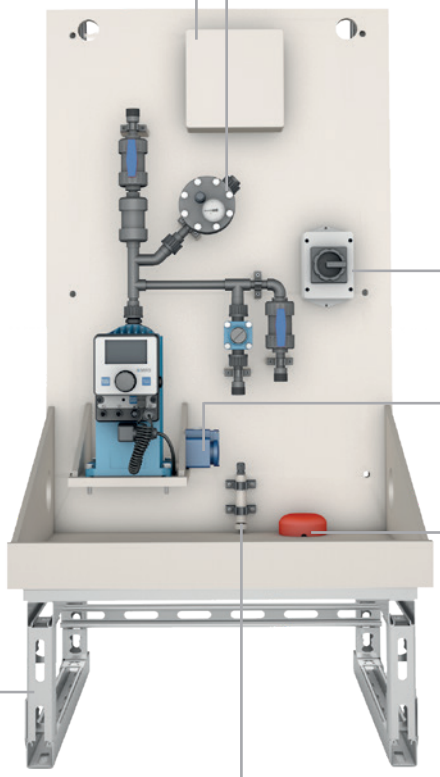
Protective shield for
the
drive motor

(no illustration)

Stand for
floor assembly

Steel (galvanised)
or GFR

Protective cabinet
with cabinet heating
and/or cabinet
lighting
(no illustration)



Diaphragm
pulsation damper

Main switch

Socket

Leakage sensor
with
WHG approval

Leakage sensor
without
WHG approval

BASIC DESIGN
CVD1

DOSING PUMP SELECTION

STEPPER MOTOR PUMPS iSTEP

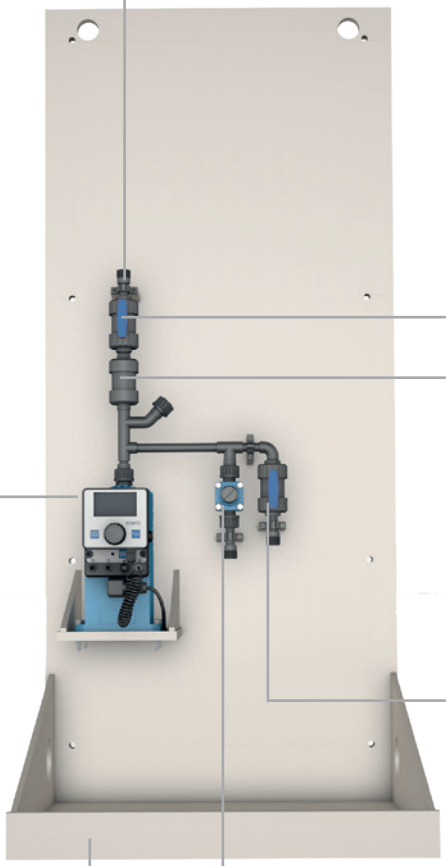
SOLENOID DIAPHRAGM PUMPS R/C204.1

DIAPHRAGM PUMPS RF/C409.2e ...

DIAPHRAGM PUMPS RF/C410.2e

MULTI LAYER DIAPHRAGM PUMPS RF/C409.2ML ...

MULTI LAYER DIAPHRAGM PUMPS RF/C410.2ML



Piping
of the pressure-side

End connection
External thread

Two-way
ball valve
(blockage)

Check valve

Two-way
ball valve
(drainage)

Diaphragm
relief valve

Wall mounting
plate
with drip tray
and drainage sup-
port

ADDITIONAL FEATURES
CVD1

Protective cabinet with cabinet heating and/or cabinet lighting

(no illustration)

Terminal box

Protective shield for the drive motor

(no illustration)

Piping Suction-side with ball valve and line strainers

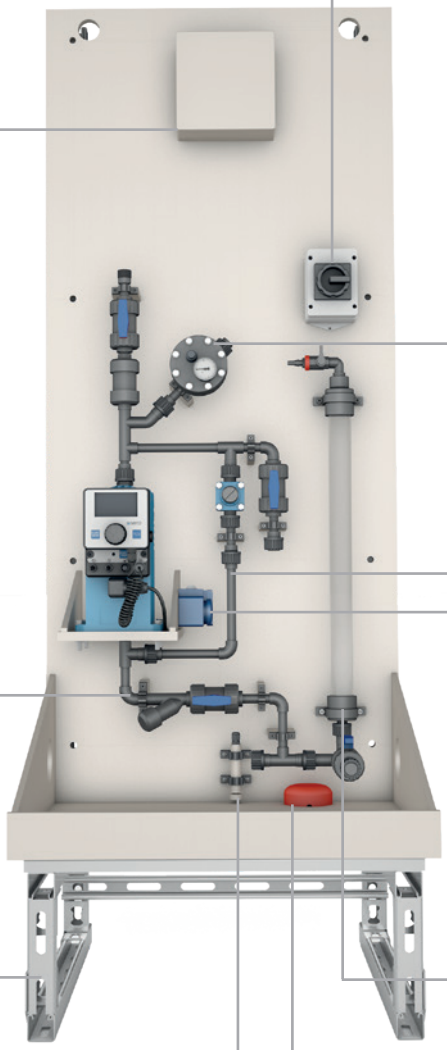
Stand for floor assembly

Steel (galvanised) or GFR

removable spray protection

(no illustration)

Leakage sensor without WHG approval



Main switch

Diaphragm-pulsation damper

Piping relief valve back into the suction pipes

Socket

Multifunctional container

Leakage sensor with WHG approval

BASIC DESIGN
CVD2

DOSING PUMP SELECTION

STEPPER MOTOR PUMPS iSTEP

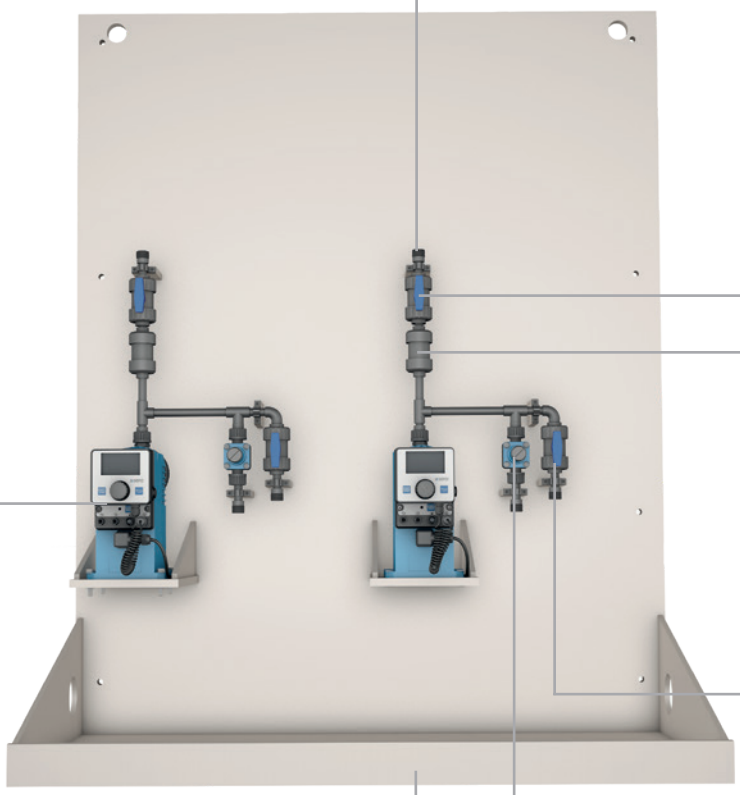
SOLENOID DIAPHRAGM PUMPS R/C204.1

DIAPHRAGM PUMPS RF/C409.2e ...

DIAPHRAGM PUMPS RF/C410.2e

MULTI LAYER DIAPHRAGM PUMPS RF/C409.2ML ...

MULTI LAYER DIAPHRAGM PUMPS RF/C410.2ML



2 x piping of the pressure-side

End connection External thread

2 x two-way ball valve (blockage)

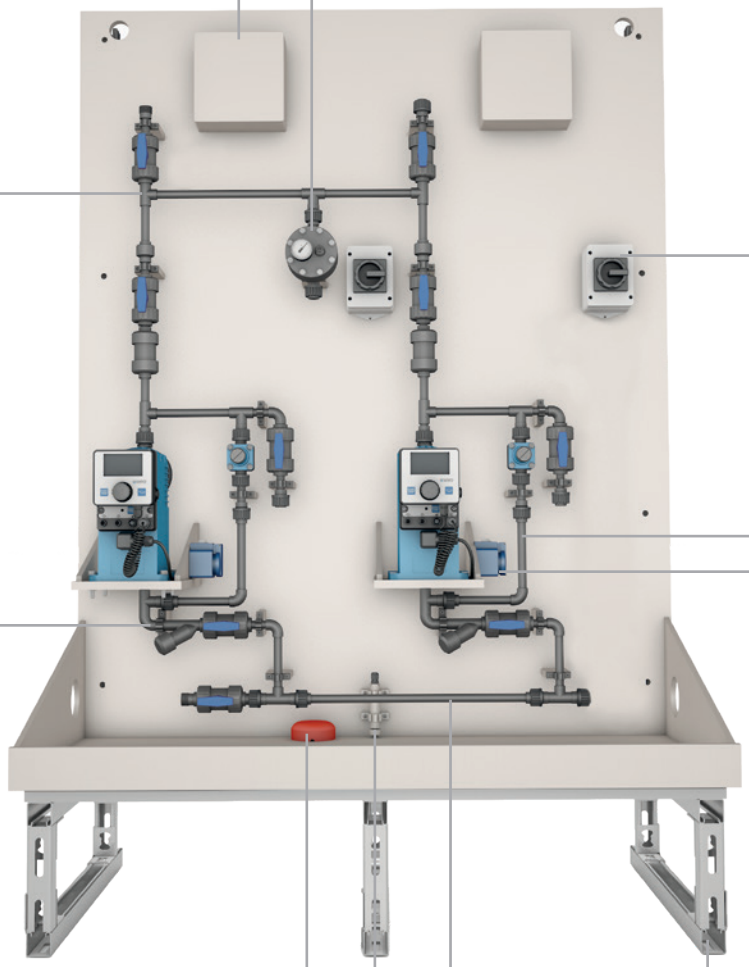
Check valve

2 x two-way ball valve (drainage)

2 x diaphragm-relief valve

Wall mounting plate with drip tray and drainage support

ADDITIONAL FEATURES
CVD2 (STAND-BY-INSTALLATION)



2 x terminal box

Diaphragm-
pulsation damper

Connecting
line pressure-side

between pump 1
and pump 2

Main switch

(1x per pump each)

Protective shield for
the
drive motor

(no illustration)

Piping
relief valve back into
the suction pipes
(only in connection with
the piping suction-side,
1x per pump each)

Piping
Suction-side

with ball valve
and line strainers

(1x per pump each)

Socket

(1x per pump each)

Leakage sensor
with
WHG approval

Stand for
floor assembly

Steel (galvanised)
or GFR

Protective cabinet
with cabinet heating
and/or cabinet
lighting

(no illustration)

Leakage sensor
without
WHG approval

Connecting
line suction-side

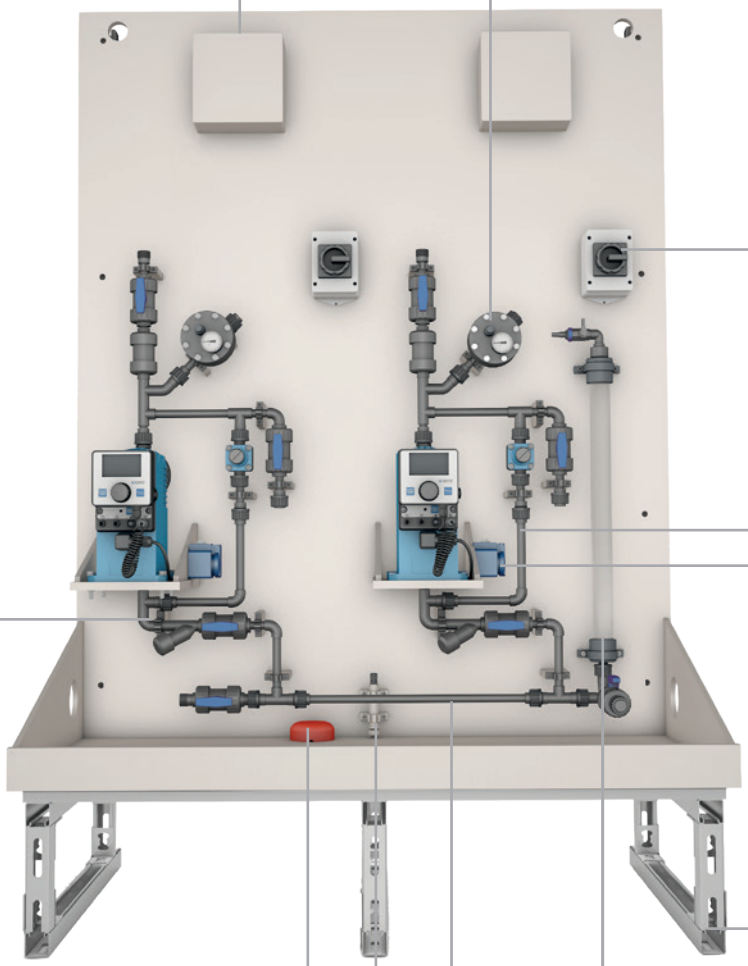
between pump 1
and pump 2

removable
spray protection

Protective shield for
the
drive motor

(no illustration)

ADDITIONAL FEATURES
CVD2 (2 X 100% - INSTALLATION)



2 x terminal box

2x diaphragm-pulsation damper

removable spray protection

(no illustration)

Main switch

(1x per pump each)

Protective shield for the drive motor

(no illustration)

Piping relief valve back into the suction pipes

(only in connection with the piping suction-side, 1x per pump each)

Suction-side

with ball valve and line strainers

(1x per pump each)

Socket

(1x per pump each)

Leakage sensor with WHG approval

Stand for floor assembly

Steel (galvanised) or GFR

Protective cabinet with cabinet heating and/or cabinet lighting

(no illustration)

Leakage sensor without WHG approval

Connecting line suction-side

between pump 1 and pump 2

Multifunctional container

Protective shield for the drive motor

(no illustration)

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