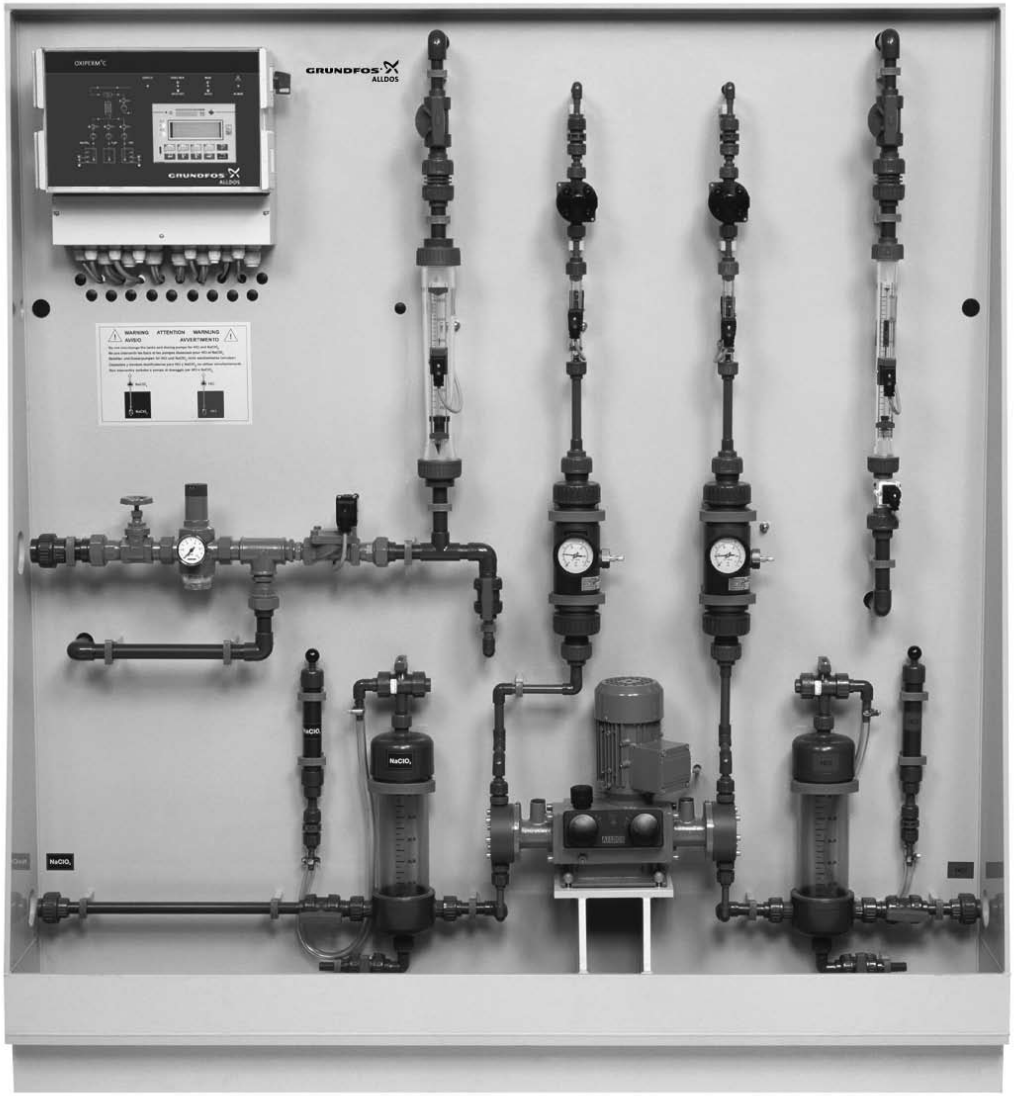
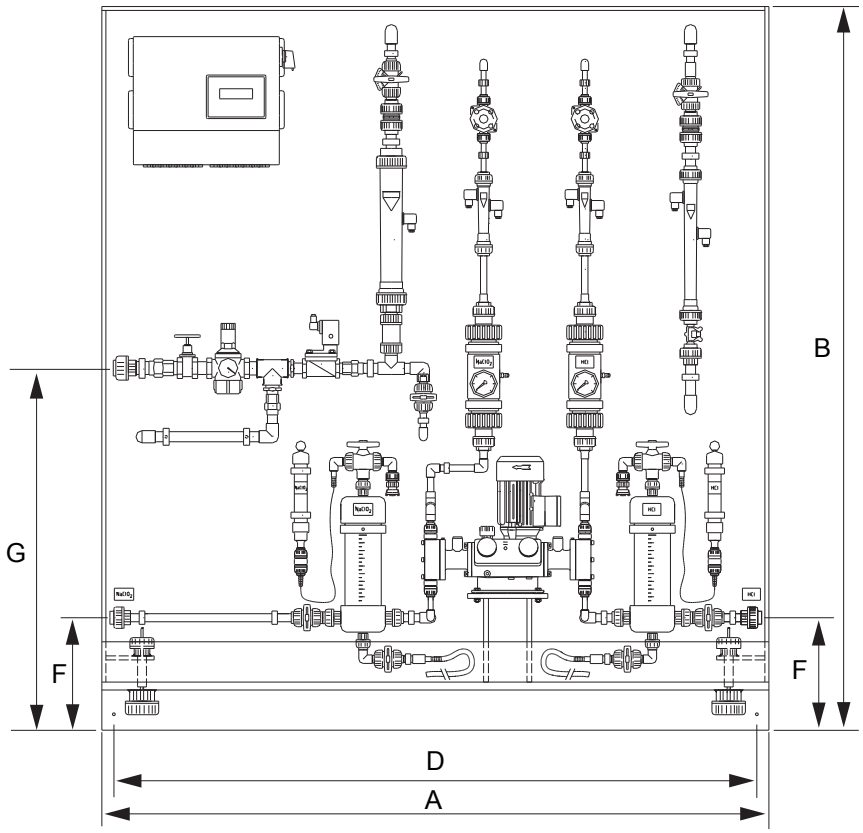
Oxiperm® 164 C for 4 to 10 kg/h

Preparation of chlorine dioxide from concentrated solutions

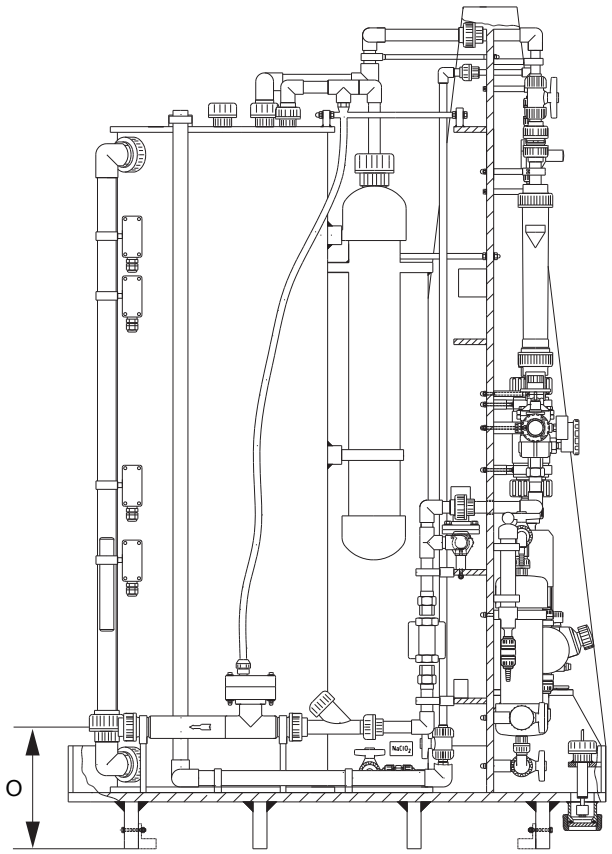


Measurements

Front view

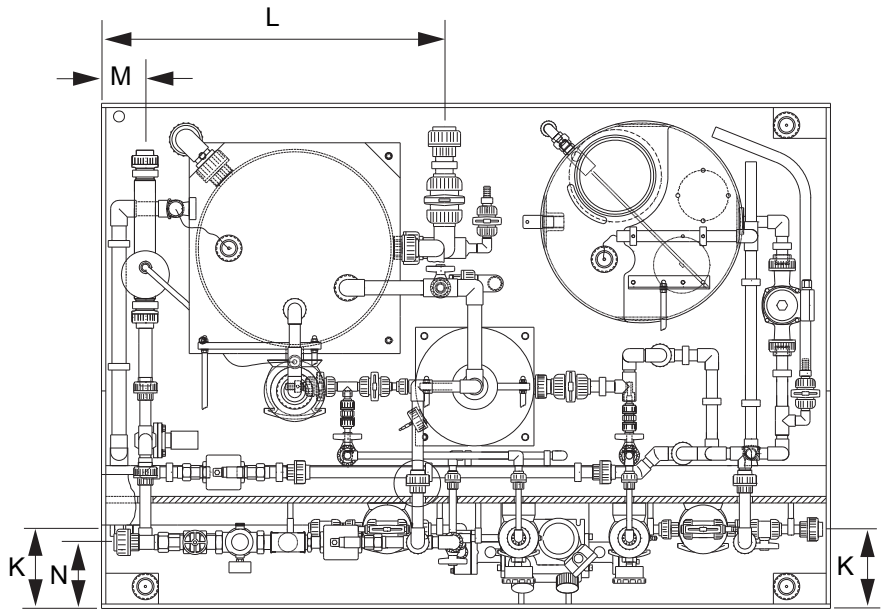


View left side

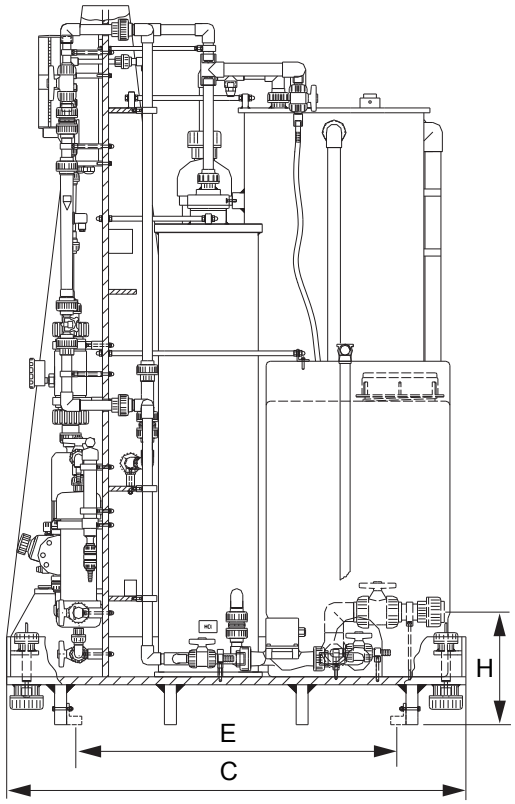


Measurements

Top view



View right side



Measurements in mm

A	B	C	D	E	F	G	H	K	L	M	N	O	Connections				Type 164-...
													bypass	ClO_2	HCl, $NaClO_2$	exhaust injector	
1660	1800	1150	1600	804	280	900	282	180	780	100	150	260	DN 25	DN 32	DN 20	DN 25	**4000C**
1660	1800	1150	1600	804	280	900	282	180	780	100	150	260	DN 25	DN 32	DN 20	DN 25	**6000C**
1800	1800	1350	1740	1044	280	900	282	180	930	100	140	260	DN 32	DN 40	DN 20	DN 25	**7500C**
1800	1800	1350	1740	1044	280	900	282	180	930	100	140	260	DN 32	DN 40	DN 20	DN 25	**10000C**

Types / Technical data

Types

- max. operating pressure 5 bars

ClO_2 preparation capacity [kg/h]	Consumption of components [l/h] HCl	$NaClO_2$	Consumption of process water [l/h] bypass	dilution	exhaust injector	total consumption *) for 3 g/l in the batch tank	for 2 g/l in the batch tank	Weight [kg]	Type 164-...
4	24		1150	140	1400	2690	3400	225	**4000C**
6	37		1720	215	1900	3835	4900	245	**6000C**
7.5	47		2150	265	2300	4715	6000	290	**7500C**
10	63		2860	355	3100	6315	8000	315	**10000C**

*) In batch operation the concentration is freely adjustable between 2 and 3.3 g/l

Technical data

Adjustment of the preparation capacity	Manual by dosing pump and ball valves
Protection level	• IP 65 electronics, dosing pumps, solenoid valve, flowmeter • IP 44 pump for pre-dilution
Admissible concentration of chemicals	• HCl 33 percent by weight • $NaClO_2$ 24.5 percent by weight
Admissible **• ambient temperature** **• operation water temperature** **• chemicals temperature**	 5 to 40 °C 2 to 30 °C 2 to 30 °C
Admissible relative air humidity	Max. 80% at 40 °C, not condensing
Connections **• water supply** **• chemicals** **• ClO_2 solution**	 PVC pipe DN 25 or DN 32 PVC pipe DN 20 PVC pipe DN 32 or DN 40
Safety equipment	• Monitoring of capacity (water, chemicals) via MIN/MAX contacts
Material	Supporting rack PP Fastening stainless steel Reactor PVC Solution tank PVC Pipes PVC Gaskets FPM

Electrical and electronic data

- Mains tension 230 V/50 Hz or 115 V/60 Hz
- Control PLC
- 4-line plain text display
- Menu-controlled operator prompting
- Flow-scheme with LED display showing mode and error signal

Power consumption	• 4 - 6 kg/h approx. 400 VA • 7.5 - 10 kg/h approx. 500 VA
Digital inputs	• MIN contact for water supply • Remote On/Off • Error gas warning unit
Potential-free outputs	• Error messages • Pre-alert: chemicals empty • Dry run ClO2 solution tank • Automatic/manual operation, max. charge 250 V, 6 A, max. 550 VA

Options

Bus system

- Modbus (RS 232 / RS 485)
- Profibus DP module (on request)
- Ethernet TCP/IP module (on request)

Operating languages

Standard: German

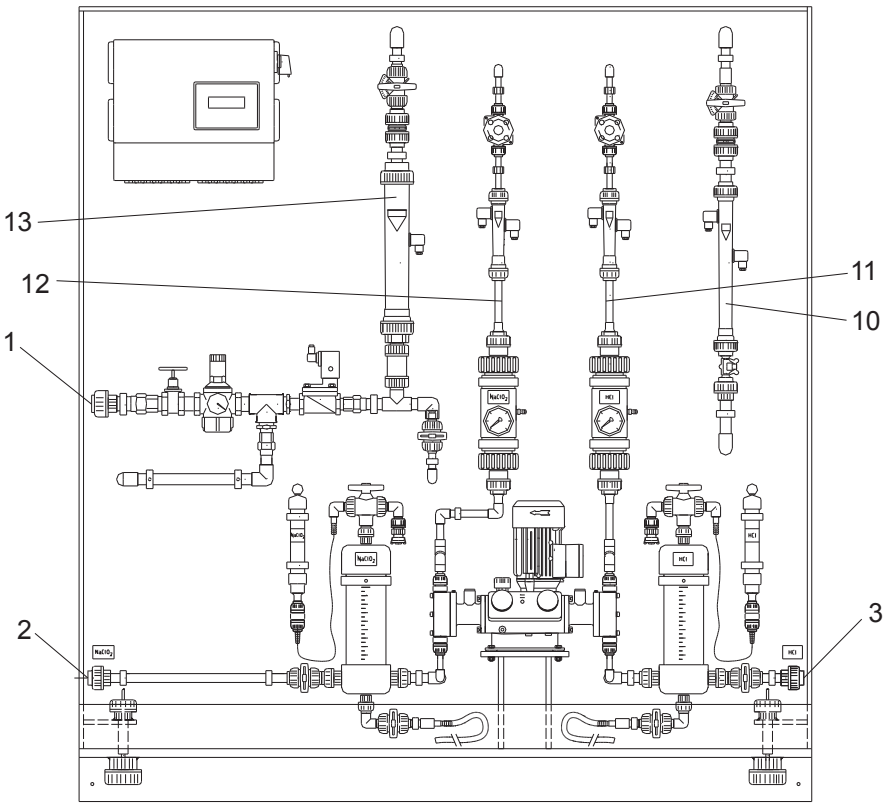
Other languages can be selected with the software:

- English, French, Spanish, Italian

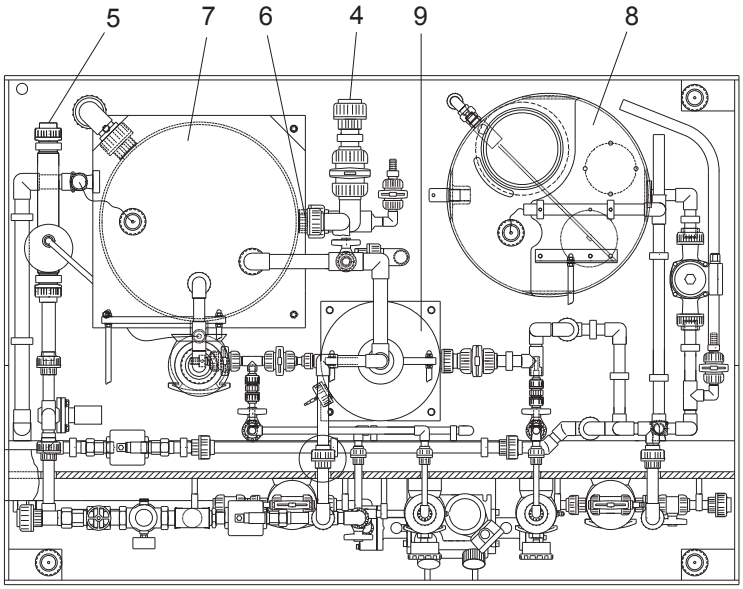
Spare parts sets

for Oxiperm®	230 V systems	115 V systems
164-4000C	553-691	553-691
164-6000C	553-691	553-691
164-7500C	553-692	553-693
164-10000C	553-694	553-694

Front view



Top view



1 Water supply (bypass and dilution)

2 Connection for $NaClO_2$

3 Connection for HCl

4 Connection for ClO_2

5 Outlet exhaust injector for solution tank

6 Overflow device for solution tank, customer provides the pipework to a neutralization system

7 Solution tank

8 Water preparation tank for the dilution of HCl

9 Reactor

10 Flow of H_2O for the dilution of HCl

11 Flow of HCl

12 Flow of $NaClO_2$

13 Flow of H_2O, bypass water

BE > THINK > INNOVATE >

Being responsible is our foundation
Thinking ahead makes it possible
Innovation is the essence

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