

Electrolysis System CHLORINSITU III

Chlorine and sodium hydroxide made from common salt. Directly on-site.



Ultra-pure or low-chloride and low-chlorate sodium hypochlorite requires specialist plant engineering. The electrolysis system CHLORINSITU III is the solution for you.

Technical Details

- Modern PLC with large illuminated display
- Integrated Remote Control Engineer for remote diagnosis and troubleshooting
- Storage tank for multiple points of injection



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Technical Data

Power supply 3 x 400 V (VAC/3P/N/PE/50 Hz)

Type/output	Fuse	Power uptake	Salt consumption	Max. consumption of process water	Max. consumption of cooling water	Dimensions L x W x H	Brine tank	Recommended capacity storage tank
g/h	A	kW	kg/d	l/h	l/h	mm	l	l
100	3 x 16	1.10	5	4	80	1,250 x 600 x 1,550	210	200
200	3 x 16	1.50	10	8	80	1,250 x 600 x 1,550	210	300
300	3 x 16	1.90	15	12	100	1,250 x 600 x 1,550	210	400
400	3 x 16	2.30	20	16	100	1,250 x 600 x 1,550	210	500
500	3 x 16	2.70	25	20	125	1,250 x 600 x 1,550	210	600
600	3 x 20	3.10	30	24	125	1,650 x 600 x 2,000	400	700
750	3 x 25	3.70	35	30	150	1,650 x 600 x 2,000	400	800
1000	3 x 25	4.70	50	40	150	1,650 x 600 x 2,000	400	1200
1250	3 x 35	5.70	60	50	150	1,650 x 600 x 2,000	400	1500
1500	3 x 35	6.70	70	60	180	1,650 x 600 x 2,000	400	1700
1750	3 x 35	7.70	80	70	180	1,650 x 600 x 2,000	400	2000
2000	3 x 50	8.70	100	80	200	1,750 x 1,200 x 2,000	520	2200
2500	3 x 63	10.70	125	100	250	1,750 x 1,200 x 2,000	520	3000
3000	3 x 63	12.70	150	120	300	1,750 x 1,200 x 2,000	520	3300
3500	3 x 80	14.70	175	140	350	1,750 x 1,200 x 2,000	520	4000
5000	3 x 90	20.70	250	200	500	3,100 x 1,800 x 2,070	1,150	5800
7000	3 x 100	29.40	350	280	700	3,100 x 1,800 x 2,070	1,150	6000
8500	3 x 130	35.70	425	340	850	4,300 x 1,800 x 2,070	1,150	7500
10000	3 x 160	40.70	500	400	1000	4,300 x 1,800 x 2,070	1,150	11000

Scope of delivery

Electrolysis systems of type CHLORINSITU III are mounted ready-wired on a powder-coated stainless steel frame with a controller (PLC) in the control cabinet. They include a Remote Control Engineer for remote diagnosis and troubleshooting, integrated water softener system, membrane electrolysis cells, hydrogen bleed system and separate salt dissolving tanks with level monitoring unit. Dynamic level control to monitor the storage tank for sodium hypochlorite to be provided on-site. A chlorine gas detector and automatic monitoring of water hardness downstream of the softening system come as standard with systems producing more than 600 g/h.

Remark

Electrolysis systems of type CHLORINSITU II, III, V and V Plus are available and planned to meet customer specifications. This is true both for the system documentation and the subsequent supply of spare parts and maintenance.