

CARBOLUX 50®

**FULLY AUTOMATIC CRYSTALLIZATION OF CARBONATES, SULPHATES AND CHLORIDES.
THE PATENTED ORIGINAL FROM SWITZERLAND FOR ECONOMIC SOLUTIONS.**



Carbolux unit® - Type 50

Our own patented development allows detrimental decomposition products to be removed from various electrolytes and process solutions. An optimal media constancy is achieved thus safeguarding product quality.

Typical Applications

Efflorescence of Carbonate, Sulphate and Chloride

Advantages

- An optimal and constant quality of the fluid
- A longer life time of the fluid
- Lower reject rate
- Low energy costs
- Efficient use of chemicals
- Less waste water
- Constant parameters
- No production time interruption
- Low labour costs (machine is automated)
- Less maintenance on heat exchanger
- Abidance DIN Specifications 9002/9003



Description

"Carbolux 50" for precipitation of Sulphates, Chlorides and carbonates from various electrolytes and process solutions

Features

- Fully automatic control
- Low power consumption
- Stainless steel construction V4a
- Mobile and compact
- Conduction in PVC

Equipment

- 1 Control cabinet (3x400V 50 Hz or 3x460V 60 Hz)
- 1 Cooling tank 70 lit.
- 1 Magnetic fill pump
- 1 Immersion empty pump
- 1 Stirrer (V4a)
- 1 Refrigerating compressor (1,6 kW) with R452-A
- 4 Wheels V4a
- Frame : V2a
- Cover up : V2A
- Coverage side: PVC "blue"
- 1 Spray ring
- 1 Filter bag 70 lit, 90 Micron
- 1 Drip tray incl. Trolley
- 1 Magnetic valve
- 1 Rubber scraper

Optional

- **Belt Filter Standard*** for automatic flowing from V4A incl. belt and belt cleaner
- **Belt Filter Plus**** for automatic flowing from V4A incl. belt and belt cleaner
- Operating manual **English / German / French**

Dimensions

- 630 x 1510 x 1820 mm (W x L x H) *
- 630 x 2055 x 1820 mm (W x L x H) **

4 Technical Data

Type	Carbolux 50
Fill quantity of cooling container	70 litres
Control	Fully automatic EASY with different options
Cooling capacity	Max. 3.7 kW
Power supply	3 x 400 V / 230 VAC / 50 Hz or 3 x 460 V / 270 VAC / 60 Hz
Freeze-out quantity	Max. 240 kg / 24 h
Power rating	1.96 kW
Magnetic filling pump	0.25 kW
Agitator	0.25 kW
Submersible drainage pump	0.37 kW
Cooling devices (compressor + fan)	1.60 kW
Belt filter	0.06 kW
Medium temperature	Max. 38°C otherwise with pre-cooling tank
Cooling temperature	Max. -5°C
Factory setting of target temperature	+ 2°C
Room temperature	+ 35°C
Cooling agents	R404-A, cooling agent quantity 2.8 kg
Dimensions L x W x H	1.3 m/1.6 m* x 0.63 m x 1.90 m
Suitable for	until 30'000 Liter
Weight	325 kg