

## BUSE-Freezing equipment ► custom-made and economical

### Cabinet Freezer SF

The BUSE-Cabinet Freezer is designed for discontinuous cooling – and freezing processes. Fields of application are in production of sausages and meat products, ready meals, baked goods, fish and seafood, etc. as well as voluminous products. Furthermore application are to find in treatment of steel products, but also in the pharmacy.

#### Characteristics

- The SF can be operated either with liquid nitrogen or with carbon dioxide as coolants
- An optimal use of the cold gas assures an even and quick heat transfer
- Easy operation
- Equipment can be delivered completely pre assembled but also as separate parts
- Flexible door- and inner dimensions allows charging with usual devices
- Hygienic construction, easy cleaning
- Solid, high-performance, easy to maintain
- Customer-specified adaption (e.g. double cabins, throughput cabinets, designs for small locations)
- Standardized components allows short delivery times



SF 150 with fold-away side panel sections



Fan module



Door locking mechanism



Control panel

## Cabinet Freezer SF Specifications / control system

### Cabinet design

- Material – stainless steel / plastic
- Modular system with tongue and groove joint, resp. welded version
- Wall thickness 100 mm
- Depth extension variable in 300 mm steps from approx. 1.200 mm to approx. 3.000 mm
- Usable door width 700, 1.100, 1.250 mm
- Door height 1.800, 2.100 mm
- Door with exterior 3-point locking and stainless steel hinges
- Door hinges on the right or left side
- Guard rail inside
- 20 mm base plate with integrated ramp
- Door with low temperature gasket and heated frame
- Drive units and control valves are water protected

### Options

- Second door for throughput operation
- Depth extension > 3.000 mm
- Special lengths in 100 mm steps
- Fold-away side panel section
- Special material, e.g. 1.4404 (pharmacy)
- Off gas system - stainless steel piping and couplings
- Circulation fans on both sides
- Gas injections on both sides or ceiling
- Residual gas exhaust

### Control system

- Closed control cabinet with protected display and operating panel
- Control panel can be positioned on the left or right side
- Controls easy to operate
- Product specific settings (e. g. temperature, freezing-/cooling time) easily adjustable from outside
- Digital indication of set/actual temperature, freezing-/cooling time and follow-up control
- Immediately interruption of the gas flow and stopping of the circulation fans in case of door opening

### Options

- Wall-mounting cabinet
- Speed control for fan motors
- Process data acquisition, possibility to connect to external computer, e. g. data logger
- Optionally operating concepts (program choice or directsetpoints)
- Safety device for area ore unit monitoring of O<sub>2</sub> and CO<sub>2</sub>, if necessary with auxiliary exhausts and shut down devices for LIN or LIC
- Core-/edge temperature controlling

### Technical Data (additional versions on demand)

Series	SF 120	SF 150	SF 160	SF 180	SF 190
Width, standard XL (mm)	1.500	2.100 2.300	2.100 2.300	2.100 2.300	2.100 2.300
Add. width, sec. fan module (mm)		300	300	300	300
Length (mm)	1.360	1.660	1.760	1.960	2.060
Hight (mm)	2.100	2.400	2.400	2.400	2.400
Inner door dimension, w x l, stand. XL (mm)	700 x 1.800	1.100 x 2.100 1.250 x 2.100	1.100 x 2.100 1.250 x 2.100	1.100 x 2.100 1.250 x 2.100	1.100 x 2.100 1.250 x 2.100
Usable space, w x l, standard XL (mm)	650 x 950	1.050 x 1.250 1.200 x 1.250	1.050 x 1.350 1.200 x 1.350	1.050 x 1.550 1.200 x 1.550	1.050 x 1.650 1.200 x 1.650
Weigth, standard / XL (kg)	580	850 / 890	875 / 920	940 / 990	965 / 1.015
Add. sec. fan moduel (kg)		150	150	150	150
El. Power / incl. sec. fan module (kW)	3,0	4,3 / 7,6	4,3 / 7,6	4,3 / 7,6	4,3 / 7,6