

## NEW CABINET FREEZER FOR MOBILE USE IN RESEARCH AND DEVELOPMENT

The challenge: Small batches of foodstuffs must be gently frozen with high freezing rates. BUSE solution: The new cryogenic freezer SF 080

May 2010

In the new cabinet freezer of series SF, the liquefied gases nitrogen or carbon dioxide are used as cryogenic refrigerants in well-proven technology for quick and gently shock freezing. Owing to the compact dimensions and mobile employment, the BUSE-cabinet freezer SF 080 is especially suited for freezing and criogenic applications in research and development.

### Fields of application:

- Tests and experimental series with foodstuffs which are to be carried out with cryogenic gases like N<sub>2</sub> and CO<sub>2</sub>
- Freezing of small charges of foodstuffs, e. g. in experimental kitchens, catering or the molecular gastronomy
- Quality tests on materials which are to be carried out under reproducible conditions at low temperatures and short-time cooling phases.
- Optimization and research of process parameters for the design of large scale freezing plants.



Cabinet freezer SF 080 with wheels and trays

The Cabinet freezer SF 080 can either be operated with liquid N<sub>2</sub> or CO<sub>2</sub> and is provided with a corresponding pre-selection switch. Product-specific settings, e. g. temperature and freezing time, can be optionally varied at the controller. Process parameters, as nominal/actual temperature as well as freezing time, are digitally indicated.

SF 080 can be delivered with additional options, as e. g. stainless steel product trays, penetration thermometer for measuring the core temperature as well as USB port for the connection of the computer for the purpose of data logging during freezing.

Optimized use of cold gas, easy handling and hygienic execution are among the special characteristics of the product. The machine is especially robust, reliable and needs only little maintenance.

### Technical data (further information on request):

Type:	Cabinet freezer SF 080
Housing material:	Stainless steel
Dimensions (mm):	890 (l) x 1100 (w) x 800 / 890* (h, *with wheels)
Servicable internal space (mm)	600 (l) x 500 (w) x 600 (h)
Wall thickness:	100 mm incl. insulation
Weight:	140 kg
Electrical power:	900 W