



AEF Product Range

The AEF equipment provides gentle freezing of food products for further storage in conventional freezers at -18°C. All freezers have five basic programs for acoustic freezing from the following list.

- Ready meals
- Fish
- Raw Vegetables
- Caviar
- Berries
- Berries
- Pork
- Drinking Coconuts (sweet)
- Drinking Coconuts (original)
- Meat Tumbling
- Veal
- Cakes
- Mushrooms
- Soups
- Sashimi and Rolls
- Meat sub products
- Offal
- Sausages
- Fish Tumbling
- Oysters
- Fish (universal)
- Meat (universal)
- Tuna fish
- Shrimps

1. Acoustic Freezer AEF ABAT SHOCK-20-1/1



Freezing capacity is 32 kg/hour; simultaneous loading of up to 90kg of product.

The refrigeration unit is located on top. The air cooler with four fans is installed inside on the rear wall. The fan arrangement ensures an even temperature distribution.

There are levels for 20 GN 1/1 or 600 x 400 mm trays



Useable chamber volume	0.5m ³
Minimum air temperature in chamber	-35°C
Product cooling temperature	90°C to 3°C
Time to cool (at an ambient temperature + 20°C)	90 minutes
Freezing temperature of the product	90 to -18°C
Number of shelves in the chamber	20
Maximum weight of product for cooling	90kg
Maximum weight of product for freezing	90kg
Maximum Power consumption (for freezing)	6.0 kWh
Type of current	alternating three phase
Voltage	380 - 400V
Refrigerant type	R 404A
Compressor type:	Copeland Scroll ZF-11-K4E by Emerson
Total weight of charged refrigerant	3.0
Overall dimensions	101,4 x 91,5 x 237 cm
Net weight	244 kg
Warranty period	3 years

2. Acoustic Freezer AEF ABAT SHOCK-10-1/1



Freezing capacity is 10 kg/hour; simultaneous loading of up to 25 kg of products for freezing.

The refrigeration unit is located on bottom. The air cooler with two fans is installed inside on the rear wall. The fan arrangement ensures an even temperature distribution.

There are 10 levels for GN 1/1 Gastronorms or 600x400 mm trays



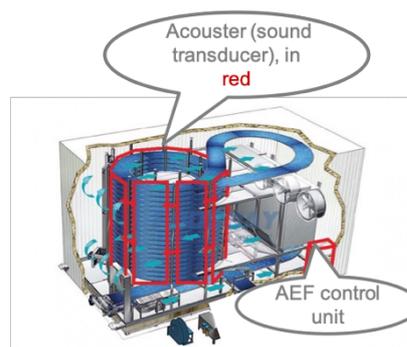
Specs

Useable chamber volume	0.33 m ³
Minimum air temperature in chamber	-35°C
Product cooling temperature	90°C to 3°C
Time to cool (at an ambient temperature + 20°C)	90 minutes
Freezing temperature of the product	90 to -18°C
Number of shelves in the chamber	10
Maximum weight of product for cooling	42 kg
Maximum weight of product for freezing	25 kg
Maximum Power consumption (for freezing)	2.0 kWh
Type of current	alternating single phase
Voltage	220 - 230V
Refrigerant type	R 404A
Total weight of charged refrigerant	1,7
Overall dimensions	80 x 89 x 159 cm
Net weight	182 kg
Warranty period	3 years

3. Acoustic Freezing Modules AEF3, AEF4, AEF5 +

Designed for integration into freezers of IQF, Air Blast, Plate, and Spiral types with operating temperature of minus 18°C or lower. The frames are linked by wires to a control unit with special software and program modes for different products.

Note that the AEF frames and control unit do not «produce cold», they deal with ice crystals only. That is why an external source of cold with a proper air circulation is required. Frames are designed to meet individual customer requirements (the serial number indicates a number of wave emitters).





A module consists of:

- (a) a Control unit;
- (b) a set of emitters connected to each other and the Control unit with wires;
- (c) a set of fans designed to customer requirements (not pictured).

Specs

Useable volume of the module	from 4 to 36 m ³
Operating temperature	-18°C to -40°C
Mass of the product for cooling	depends on the customer's freezer
Product weight for freezing	depends on the customer's freezer
Power consumption	70 to 4,000 W
Type of current	alternating single phase
Voltage	220 V
Frequency	50 Hz
External Dimensions (Control Unit)	50 x 40 x 21 cm
Weight (Control Unit)	from 12 kg to 50 kg
Frame with Fans/Emitters overall dimensions	
Length	2 - 18 m
Width	1 m
Height	2 m
Weight (Frame with Fans/Emitters)	from 120 kg to 700 kg
Warranty period	3 years