

# 50 Ω RADIO FREQUENCY TUNNELS

## DESCRIPTION

This range of radio frequency tunnels is specially designed to temper standard fish blocks from -20 °C to -2° C.

Size and weight of one block: 480 x 255 x 65 mm, 7.5 kg.



▶▶ Radio frequency tunnel TRF 50 F

After radio frequency tempering the blocks can either be sawed (final temperature - 8 °C to - 4 °C), or formed (final temperature -2 °C).

## ADVANTAGES

- ▶ **Sanitary:** no bacteriological growth, complies with all hygiene regulations and standards, keeps taste and texture qualities
- ▶ **Fast:** time of treatment very short, high production flexibility
- ▶ **Reliable:** consistent temperature
- ▶ **Economical:** product gain from 5 to 10 %, working on a just-in-time basis, minimum floor space, fast return of investment.

## ADVANTAGES COMPARED WITH MICROWAVES (915 MHz & 2450 MHz) FOR FISH BLOCKS

- ▶ Final temperature is very homogeneous (+/- 1 °C maximum in the fish block)
- ▶ For forming after defrosting, the final temperature of the fish blocks should be around -2 °C. With microwaves, the fish blocks have to be stored for a few hours to reach this temperature, while with radio frequency the blocks can be used immediately.







▶▶ Radio frequency tunnel TRF 30 F

### RADIO FREQUENCY TUNNEL TRF 30 F

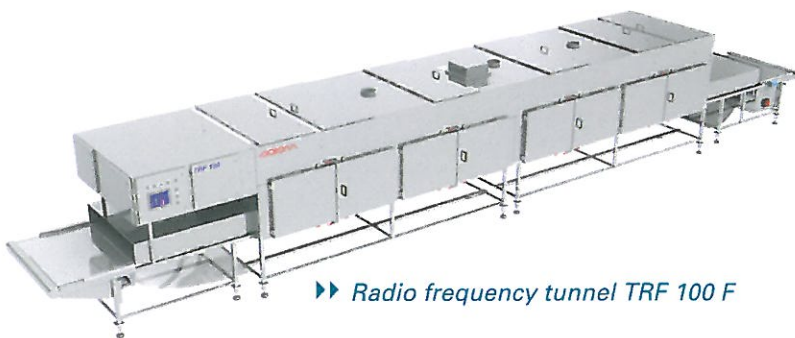
Frequency	13.56 MHz / 27.12 MHz
RF power	30 kW
Mains	40 KVA
Voltage	400 V, 3 phases, 50/60 Hz
Cooling	By water
Capacity	2,100 to 3,200 kg/h from -20 °C to -9 °C/-7 °C 900 to 1,000 kg/h from -20 °C to -6 °C/-4 °C 450 to 600 kg/h from -20 °C to -3 °C/-1 °C 150 to 200 kg/h from -20 °C to -2 °C/ 0 °C
Size	L: 5.3 m / W: 0.97 m / H: 2 m



▶▶ Radio frequency tunnel TRF 50 F

### RADIO FREQUENCY TUNNEL TRF 50 F

Frequency	13.56 MHz / 27.12 MHz
RF power	50 kW
Mains	70 KVA
Voltage	400 V, 3 phases, 50/60 Hz
Cooling	By water
Capacity	4,800 to 6,200 kg/h from -20 °C to -9 °C/-7 °C 1,600 to 1,900 kg/h from -20 °C to -6 °C/-4 °C 750 to 1,000 kg/h from -20 °C to -3 °C/-1 °C 300 to 400 kg/h from -20 °C to -2 °C/ 0 °C
Size	L: 6.9 m / W: 0.86 m / H: 2.05 m



▶▶ Radio frequency tunnel TRF 100 F

### RADIO FREQUENCY TUNNEL TRF 100 F

Frequency	13.56 MHz / 27.12 MHz
RF power	100 kW
Mains	140 KVA
Voltage	400 V, 3 phases, 50/60 Hz
Cooling	By water
Capacity	9,600 to 12,400 kg/h from -20 °C to -9 °C/-7 °C 3,200 to 3,800 kg/h from -20 °C to -6 °C/-4 °C 1,500 to 2,000 kg/h from -20 °C to -3 °C/-1 °C 600 to 800 kg/h from -20 °C to -2 °C/ 0 °C
Size	L: 11.1 m / W: 1.02 m / H: 2.05 m

## OTHER APPLICATIONS

- ▶ Tempering/defrosting from - 20 °C to - 2 °C of herring filets, whole mackerel, capelin, salmon, etc...
- ▶ This tunnel can also be used to treat blocks of sea food products such as : crabs, shrimps, squids, etc.

## ATTENTION

Capacity depends upon required final temperature, shape of the blocks and also upon level of lean or fat.



## CONTACT US

commercial@sairem.com  
[www.sairem.com](http://www.sairem.com)