

Messer Spiral Freezers

The Industry's Proven Workhorse



Messer's spiral freezers deliver 750 to 15,000 lb/hr of throughput in a compact footprint—ideal for boosting existing freezing capacity or handling full freezing applications.

Proven Durability in Demanding Environments

Messer Spiral Freezers are designed for continuous, industrial food processing across a wide range of products for both full freezing and cryo-assisted mechanical freezing applications. Available in multiple sizes and configurations, our experienced team conducts product testing to design a spiral solution that meets your quality objectives, throughput targets and fits into existing process lines.

The newest (and smallest member) of our spiral family, the Messer KwikChiller, demonstrates how even processors with limited floor space can increase line capacity. Its compact footprint can remove up to 30% more heat than traditional freezers. For food processors with the highest production demands, our largest spiral freezes 8,000 to 15,000 lb/hr.

Messer's spiral portfolio provides efficient, uniform temperature control at any scale, while advanced sanitary design simplifies cleaning for a reduced downtime. Backed by Messer's robust gas supply network and experienced technical team, many of our spiral freezers have been in operation in demanding environments for over 25 years.

Performance Highlights

- High throughput in a compact footprint
- Consistent, reliable freezing
- Low capital cost to convert with little downtime
- Proven & sanitary system design

Products

- Meat and poultry
- Seafood
- Bakery products
- Fruits and vegetables
- Prepared and specialty foods

Specifications

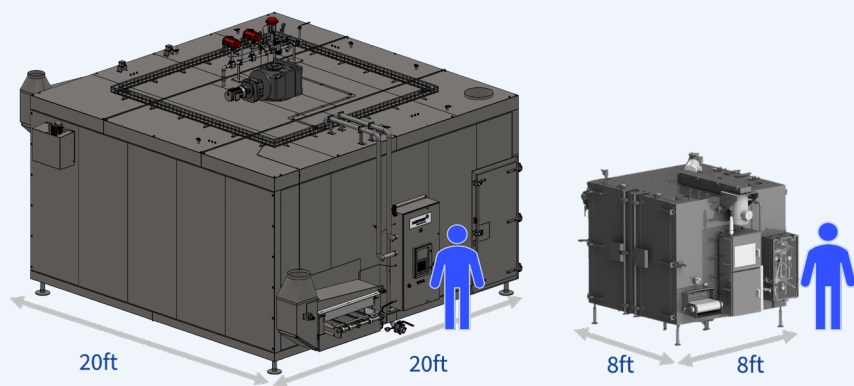
Small and Medium Spirals

Model	KC18-UCR115S The Messer KwikChiller	NEW	KF20-CR175S	KF28-CR270S	KF28-CR375S
Width	8'6"		9'1"	15'11"	15'
Length	13'11"		16'2"	12'	15'4"
Height	10'7"		10'3"	13'7"	15'
Typical Production Rate (lbs/hr)	750-3,500		750-2,000	1,500-5,000	2,000-6,000
Tier Clearance (in)	3.5		3.375	4.5	4.5
Number of Tiers	7		10	10	14
Usable Belt Length (ft)	115'		175	270	375
Dwell Time	75sec – 6min		4 - 30min	4 - 38min	4-26min
Electrical Requirements	100A@460V		60A@460V	60A@460V	60A@460V

Large and Extra-Large Spirals

Model	KF28-500S	KF40-CR320S	KF40-CR480S	KF40-CR800S
Width	21'4"	21'4"	21'4"	21'5"
Length	25'4"	25'4"	25'4"	26'9"
Height	13'3"	13'3"	13'3"	21'7"
Typical Production Rate (lbs/hr)	4,000-8,000	4,000-7,000	6,000-9,000	8,000-15,000
Tier Clearance (in)	3.875	4	4.5	4
Number of Tiers	10	8	12	22
Usable Belt Length (ft)	500	320	480	800
Dwell Time	5-25 min	5-30min	5-30min	5-30min
Electrical Requirements	100A@460V	80A@460V	60A@460V	100A@460V

We offer multiple sizes and can design custom solutions to fit your operation
Contact your local Application Sales Engineer to learn more about our full range of technologies.



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