

UR

Chill Technology srl



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Sede legale e commerciale: via 4 novembre 16 - 40010 Sala Bolognese BO
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BOT, bottleneck freezers for the Champenoise method

Bottleneck freezers (Champenoise method) for clarifying wine after fermentation in the bottle.

- Operates with glycol down to -25°C.
 - Electronic thermostat for temperature control.
 - Stainless steel casing mounted on wheels.
- Ready for operation and maintenance-free.

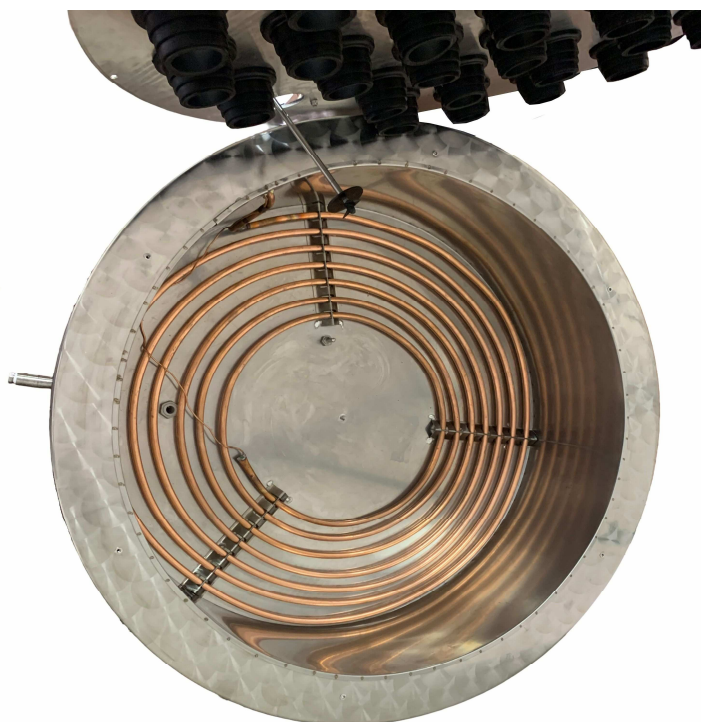
art.	Bott.	Alim.	watt	cm.	kg.	lt.*	Bott/h**	Gas	€
103	3	220v	130	26xh46	12	3	15/20	R134	1'798.00
076	7	220v	350	40xh79	30	9	30/45	R452	2'665.00
077	10	220v	800	46xh79	40	18	60/80	R452	3'458.00
126	18	220v	800	60xh82	50	35	75/100	R452	3'698.00
083	32	220v	1400	85xh85	85	65	130/180	R452	4'832.00
743	32	380v	1200	85xh85	88	65	140/200	R452	4'987.00
089	45/50	220v	1400	96xh86	92	88	175/230	R452	5'245.00
093	45/50	380v	1200	96xh86	92	88	185/240	R452	5'465.00

* capacità vasca Lt. miscela glicolica

** bottiglie/ora: varia con la temperatura ambiente, spessore del vetro, ecc.

Red = nuovo modello

The machine is supplied as standard without glycol, which is however available on request at €7.95/Lt.



NECKS FREEZER 45 / 50 BOTTLES

The BOT series bottleneck freezers are refrigeration appliances equipped with a stainless steel tank filled with non-toxic propylene glycol, which is cooled to a temperature of -25°C, settable on a thermostat.

A rack with circular holes, fitted with a rubber gasket, is placed above this tank. Bottles are placed upside down into these holes. The bottleneck immersed in the glycol at -25°C (-13°F) freezes quickly (about 5 minutes), allowing for rapid disgorgement of the frozen lees that have collected in the frozen neck during the riddling process.

A dedicated stirrer maintains a uniform glycol temperature by constantly stirring it.

INSTRUCTIONS FOR USE OF THE NECK FREEZER

Since the optimal temperature for the machine's use is around -20°C to -25°C , obtain an antifreeze that can withstand well beyond this temperature without becoming dense, as this would slow heat exchange and extend freezing times. The antifreeze we sell is propylene glycol, which is also declared non-toxic by the manufacturer and therefore does not pollute if it comes into contact with wine, unlike ethylene glycol, which tests toxic and is therefore illegal.

Caution: the water/glycol mixture must be made in a ratio of 50% water and 50% glycol to ensure the liquid in the tank does not freeze.

Fill the "BOT" tank with glycol to the desired level, depending on the height of ice you want to obtain in the neck of the bottle when it is immersed upside down.

To determine the optimal level, proceed as follows: fill the tank until the last coil of the copper coil inside the tank is completely covered. Then, place a bottle identical to the one you use in one of the rubber cones used to hold the bottles and check that the neck is immersed 2 or 3 centimeters; you'll see this by the mark the liquid leaves on the neck. If the level is still low, add more liquid. Keep in mind that only the part of the bottle immersed in the liquid will freeze.

Remember to periodically check the liquid level in the tank and top up if necessary, because during operation, some drops inevitably remain on the neck of the bottles and will be dispersed when you remove them.

At this point (not before), insert the electrical plugs into your outlet (which must comply with all current EEC safety standards): both the motor unit and the agitator that keeps the glycol stirred will start working.

Initially, set the thermostat to -15°C to ensure the engine stops properly after reaching the set temperature. With an ambient temperature no higher than 30°C , the machine can go below -25°C , but it's not necessary to reach such low temperatures, which would otherwise consume a lot of energy, as the machine can already provide optimal performance at -20°C , freezing its neck in no more than 5 minutes. While keeping in mind that a colder glycol temperature results in shorter freezing times, the ambient temperature must be taken into account: if you try to lower the glycol to -30°C in the middle of summer, you'll be unlikely to succeed and will place unnecessary stress on the refrigeration unit. When you first start using the machine, begin by gaining experience by setting the temperatures to around -20°C to -22°C as a limit. Depending on the ambient temperature, you should reach the set temperature in two to three hours, or even longer in particularly high ambient temperatures. The thermostat will then automatically stop the motor (not the stirrer) when the preset temperature is reached, and you can begin working with the bottles. As soon as the glycol temperature rises, the motor will restart to restore the set value.

Remember that the hourly production of frigories, and therefore the number of bottles per hour, is proportional to time: for example, a 32-bottle-per-hour machine cannot process them all in the first 10 minutes, but it delivers enough power to prepare one bottle every 4 or 5 minutes.

The machine's only control device is the DIGITAL THERMOSTAT, which is used to set the machine's operating temperature. WE INVITE YOU TO CAREFULLY READ THE THERMOSTAT MANUAL, WHICH IS ATTACHED TO THE MACHINE.

GENERAL RULES AND WARRANTY:

- The warranty period is one year from the date of our sales invoice.
- The warranty applies to parts found, at the manufacturer's sole discretion, to be defective in materials or workmanship, and is limited to their free replacement.
- The following are not covered by the warranty: - Damage during transport. - Damage resulting from incorrect installation of the appliance. - What is considered normal wear and tear. - Replacement of the entire appliance is excluded.



We hereby declare that all our models of parcel freezers are built in compliance with the CE marking and the EEC Community directives, including the latest amendments and with the relevant national implementing legislation.

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Neck freezer BOT 32 Bottles



NECKS FREEZER 10 BOTTLES



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NECKS FREEZER 32 BOTTLES technical data

BOTTLE'S NECKS FREEZER "BOT 32"			
Application, Rating and Electrical Data		Controller	
Application	Bottle's necks freezers (Champenois method)	Interface	Digital thermostat
Storage Volume	65 Liters glycol mixture	Power Switch	On/Off with circuit breaker
Bottles Capacity	32 bottles	Controller Type	Microprocessor with touchscreen input and display. Includes USB hub for data
Temperature Range	-10°C to -28°C , Ambient	Security	Waterproof box containing the thermostat
Electrical Power	210/230V 60Hz, 1 Phase	Compressor Safeguard	compressor over-temperature
Maximum Current	5,9 amp. FLA	Control Sensor	NTC probe
Electrical consumption	1,35 Kw	Communication Ports	USB Port
Building Supply Rating	15 amp ground circuit	Event Log	All alarms
Power Plug / Power Cord Length	Schuko plug, 1.5 Mt.	Temperature Log	-
Sound Pressure Level (dBA)	<80 dB	Access Log	-
Indoor/Outdoor Use	Indoor use only		
Application Environment	Non-corrosive, non-flammable, non-explosive, 0°C to 38°C		
Lifetime of Product	15 years		
Refrigeration System		Dimensions and Construction	
Refrigeration System	Direct expansion	Internal glycol tank dimension	Ø 78 cm H. 35 cm
Compressor	1 HP hermetic	Internal glycol tank capacity	60 liters
Condenser Type / Number	Air-cooled fin / 1	Exterior (w x h x d) in (mm) (Inc. handle, casters,	Ø 86 cm H.90 cm
Expansion Device	coil	Insulation	polyurethane foam
Evaporator Type	coil	stirring liquid	2 electric stirrers 220 V 60 Hz
Defrost Method	Auto	Bottle housing	32 rubber cone.
Refrigerant Charge	R452A nonflammable CFC/HFCF-free – Gr. 390	Casters / Legs	pivoting wheels
Performance Data		Net Weight	90 kg
Energy Consumption	10 kWhr/day at -25°C	Shipping Weight	98 kg
Uniformity	+/-2°C at -25°C Setpoint		

