



## BULK MILK COOLERS



### Model R

*Mueller Model R open type bulk milk cooler. Reliable and low-cost milk cooling for the dairy farmer.*

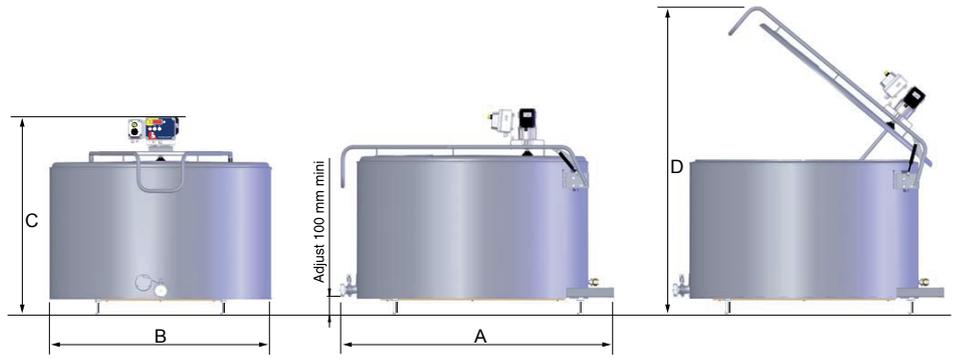
#### **Features Mueller R-Tanks:**

- Available from 500 to 1.500 liters milk cooling capacity
- Inner and outer tanks are made of durable AISI 304 Stainless Steel
- The lid is easy to open and has a filling hole of Ø 200 mm with inlet cover
- Reliable operation, even in high ambient temperatures
- Supplied with high-performance condensing unit
- Suitable for 2 and 4 milkings
- Simple operation and manual tank cleaning

### Cooling tank performance

- Suitable for 2 and 4 milkings
- Milk at 35°C cools down to 4°C within 3 hours at +32°C ambient
- Excellent insulation: without cooling for 12 hours, milk initially at 4°C does not exceed 6.7°C\*
- Complies with technical standards ISO 5708 and EN 13732

\* results in an ambient temperature of 32°C



### Electronic control unit:

- Control interfaces (stop, refrigeration start, continuous agitation start)
- Control of the cooling and agitation
- Voltage protection relay
- Phase sequence protection
- Overload relay for 4 control lights
- Built-in fuse
- Compressor protection thermal relay
- Standard electric power:  
230V / 1P / 50Hz for R-500  
400V / 3P+N / 50Hz for R-1000 / R-1500  
(Optional: 60Hz)

### Agitation:

- Durable agitator motor, made in EU
- Automatic safety stop of agitator when opening cover
- Automatic programmed agitation timing and continuous agitation

### Condensing unit:

- Milk cooling tank supplied with high performance condensing unit
- Suitable for high ambient temperatures
- Easy to service
- Standard refrigerant: R22 (other refrigerants optional)
- Condensing unit separate from tank
- Installation materials are provided

### Specifications R-tank

Model	R-500	R-1000	R-1500
Nominal volume	500 L	1.000 L	1.500 L
Gross capacity	550 L	1.100 L	1.450 L
Tank length (A)	1.510 mm	1.750 mm	1.750 mm
Width (B)	1.282 mm	1.428 mm	1.482 mm
Height with closed cover (C)*	1.110 mm	1.300 mm	1.565 mm
Height with open cover (D)	1.240 mm	2.005 mm	2.270 mm
Tank weight (without condensing unit)	140 kg	215 kg	230 kg

\* Including height of the agitator, control panel and with legs extended to maximum height.

### Electrical Data (maximum connected load)

Condensing unit	1.68 kW	2.6 kW	4.3 kW
Agitator motor	70 W	70 W	70 W

### Specifications condensing units\*

Compressor	Copeland	Copeland	Copeland
Cooling capacity (min)	3.8 kW	6.15 kW	9.7 kW
Compressor type	Recip. 230V	Recip. 230V/400V**	Recip. 400V
Length	950 mm	1.125 mm	1.540 mm
Height	690 mm	765 mm	760 mm
Width	350 mm	355 mm	450 mm
Weight of condensing unit	80 kg	90 kg	120 kg

\* Based on two milkings and cooling performance exceeding requirements of ISO 5708 - 2 B II.

\*\* Mueller recommends to use tri-phase (400V) reciprocating compressor for the R-1000. However, single phase (230V) Scroll compressor is optionally available with this model.

### Note:

The C height is given with legs adjusted at min. height.

Results in an ambient temp. of +38°C - operating guaranteed at 53°C.

In these tanks the milk temperature, initially at 4°C, does not exceed 6,7°C after 12 hours, in an ambient temp. of 38°C.

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