

VERTICAL MILK COOLING TANK



CONSTRUCTION

- AISI 304 Quality stainless steel .
- 1st Wall base is 2 mm and it also has 0,8 mm Ep type laser welded cooler evaporator.
- 1st Wall body 1,5 mm .
- Isolated body 1 mm .
- Cooler unit is mounted from the bottom side of the tank body .
- There are 1 pcs 25 W 21 d/d reducer and stainless steel mixer blade on reducer .
- Isolation range has 50 mm thickness , isolated with water based , Non HCFC High density polyurethane foam material .
- Product output has DN40 butterfly valve.
- There is \varnothing 200 mm covered product entry on the cover .
- There is manual measuring scale with % 3-4 sensitivity.
- Design that allow zero liquid to remain in the tank during discharge .
- Welded sections are welded with 1st class Argon TIG welding and has 1st class smooth polishing

COOLING GROUP

- Cooling possibility in min.milk quantities without icing.
- Minimum gas charge ability.
- A 404 Gas cooling.
- From 35°C to 4°C , Milk refrigeration time is under 3 hours for each milking in 32°C - 38°C Environmental temperature.
- Direct Expansion system.
- Cooling compressors are coupled on chassis.
- Turkish Standards Institutions regulation 13732 of compliance certificate.
- Republic of Turkey,Uludağ University test of compliance certificate.
- Suitable for 2 and 4 milking time.

ELECTRIC GROUP

- Electrical system is protection grade IP 65 Conforming to the european standard.
- Working property with 220 V Energy.
- Thanks to special automatic agitator software ; when the milk temperature reaches set value the operating range of the agitator can be adjusted. (i.e works for 3 minutes and stops for 10 minutes)
- Phase protection relay.
- When the cover is opened system (reducer and cooling) is automatically disabled.

WASHING SYSTEM

- Manual Washing





CONSUMPTION TABLE

| CAPACITY | MIN.MILK FOR SAFE WORK | COMPRESSOR | AGIGATOR | FANS | TOTAL CONS. | GENERATORS | CLASS |
|----------|------------------------|--|----------|--|-------------|------------|--------|
| 200 LT | 70 LT | 0,86 Kw / 0,75 HP Hermetic compressor | 0,07 Kw | Ø 300 / 0,085 Kw | 1,02 Kw | 2 Kw | 2 B II |
| 325 LT | 80 LT | 1,28 Kw / 1 HP Hermetic compressor | 0,07 Kw | Ø 300 / 0,085 Kw | 1,44 Kw | 3 Kw | 2 B I |
| 500 LT | 90 LT | 1,89 Kw / 1,5 HP Hermetic compressor | 0,07 Kw | Ø 350 / 0,135 Kw | 2,10 Kw | 5 Kw | 2 B II |
| 1000 LT | 150 LT | 2,93 Kw / 2,5 HP Hermetic compressor | 0,07 Kw | Ø 450 / 0,25 Kw | 3,25 Kw | 7 Kw | 2 B II |
| 1500 LT | 190 LT | 4,95 Kw / 5 HP Scroll compressor | 0,07 Kw | Ø 400 x 2 Pieces 0,18 Kw x 2 Pieces | 5,38 Kw | 10 Kw | 2 B II |
| 2000 LT | 190 LT | 6,3 Kw / 7 HP Scroll compressor | 0,07 Kw | Ø 450 x 2 Pieces 0,25 Kw x 2 Pieces | 6,87 Kw | 14 Kw | 2 B II |