

UNITECH

International (Pvt) Ltd.

15-YEAR LICENSED MANUFACTURING
PARTNERS WITH **PACKO-INOX**

DIRECT ICE-BANK (DIB) WITH PLATE HEAT EXCHANGER (PHE)

“YOUR SOLUTION FOR **INSTANT COOLING!**”

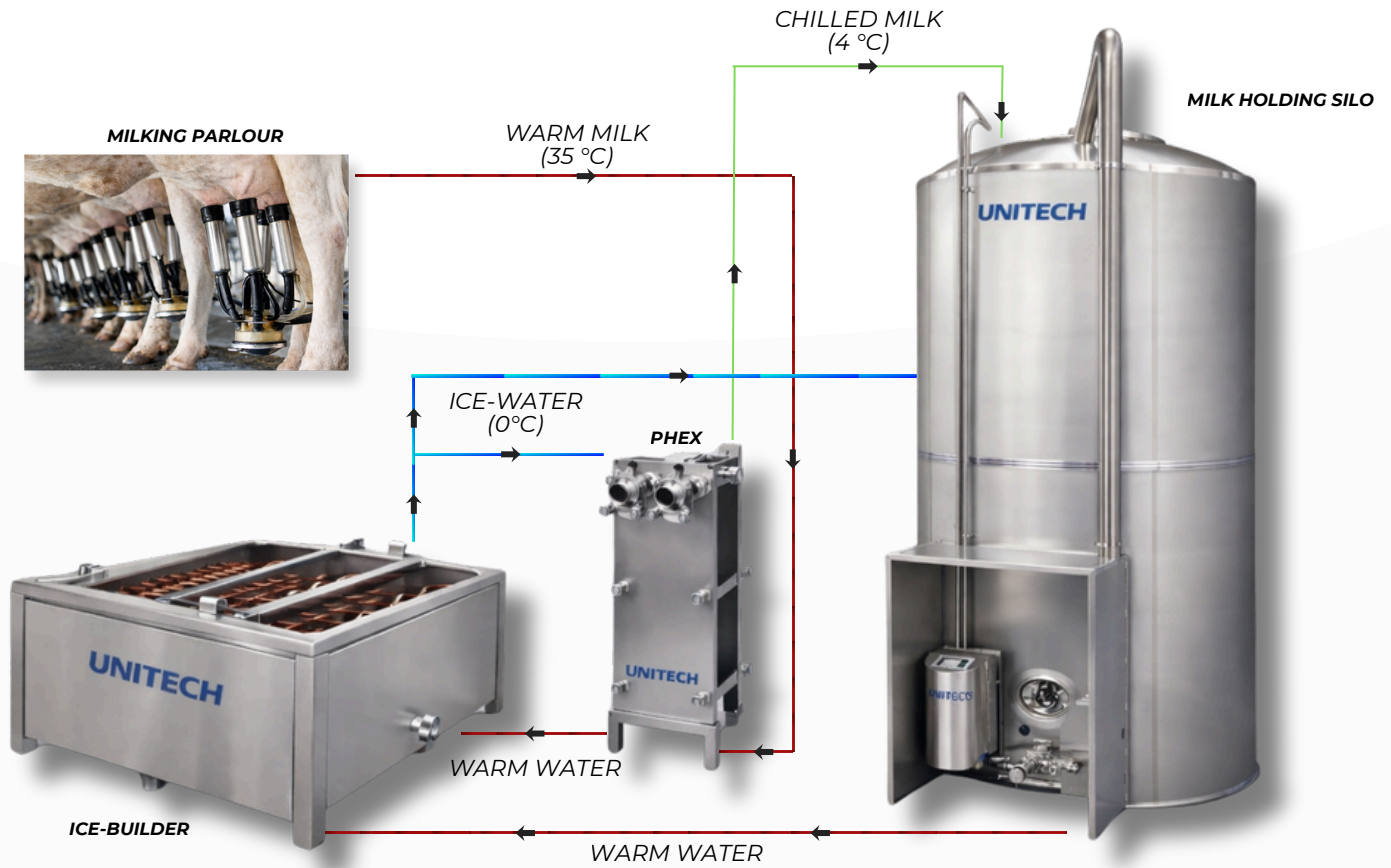


INSTANT COOLING | HYGIENIC | ENERGY EFFICIENT | ISO 5708 COMPLIANT

DESIGNED FOR MEGA DAIRY FARMS REQUIRING **INSTANT COOLING, HYGIENIC MILK STORAGE, AND RELIABLE AND ENERGY EFFICIENT OPERATION.** USING DIRECT ICE-BANK TECHNOLOGY, THE SYSTEM COOLS MILK INSTANTLY WHILE MAINTAINING UNIFORM TEMPERATURE AND PRESERVING MILK QUALITY.







WORKING PRINCIPLE



HOW IT WORKS

- FRESH MILK AT **35 °C** FLOWS DIRECTLY FROM THE MILKING PARLOUR INTO THE PLATE HEAT EXCHANGER (**PHE**).
- ICE WATER AT **0 °C** FROM THE ICE BUILDER COOLS THE MILK RAPIDLY TO **4 °C** INSIDE THE PHE.
- RAPID COOLING ENSURES IMMEDIATE PRESERVATION OF MILK QUALITY.
- CHILLED MILK IS PUMPED INTO A MILK STORAGE SILO FOR HYGIENIC STORAGE.
- A DIMPLE PLATE JACKET HEAT EXCHANGER ON THE SILO, SUPPLIED WITH ICE WATER, MAINTAINS THE MILK AT **4 °C**.

ADVANTAGES

- INSTANT COOLING. 
- GLOBAL STANDARDS, 100% LOCALLY DEVELOPED. 
- BUILT IN REDUNDANCY DUE TO MULTIPLE COOLING MACHINES. 
- MODULAR SYSTEM, MAINTENANCE FRIENDLY WITHOUT AFFECTING COOLING PERFORMANCE. 

TRUSTED BY LEADING DAIRY PROCESSORS IN PAKISTAN AND INTERNATIONAL MARKETS