



varicOLD™ Natural Chiller

With VILTER reciprocating compressor

Cold Storage

Food Processing

Beverage Cooling

Process Cooling

Dairy

Air Conditioning

The variCold Chiller is available in 12 standard models covering a wide range of capacities. This chiller employs the VILTER 450XL Series reciprocating compressor, with environmentally friendly ammonia as the primary refrigerant.

Capacities range from 135 kW to 1080 kW for chilled water [12°C to 6°C], and 70 kW to 570 kW for propylene glycol solution chilling (25%) [+4°C to -2°C].

All units are pre-assembled on compact, yet maintenance friendly skids, pre-wired and thermally insulated with polyurethane insulation and aluminium cladding.

Electrical starters/switchgear and PLC are mounted in a single cabinet at the edge of the skid. The gravity flooded semi-welded plate type evaporator and condenser require exceptionally low R-717 refrigerant charge; ensuring compliance with stringent safety and environmental standards.

Automatic oil recovery back to the compressor suction enables continuous, uninterrupted operation of the unit. Individually customised solutions are available upon request for larger capacity requirements.



Environmentally friendly ammonia (R-717) refrigerant.



Reciprocating Compressors for better part-load efficiency.



VFD motor drive at 1200 rpm.



Compact, yet maintenance friendly skid design.



Extremely low ammonia refrigerant charge.



High COP, even at part load conditions.



Automatic oil recovery to ensure continuous operation.



Plate type heat exchangers in stainless steel.



Polyurethane insulation with aluminium cladding.



PLC control system.