



TEQ TIVE

Destination for Cooling Solution



INDUSTRIAL PROCESS CHILLER

Mfr. & Exp. of : All Types of Energy Efficient, Industrial Chiller and Refrigeration Equipments for Commercial & Industrial Sectors.



Our Products Range:

- Air Cooled/ Water Scroll Chiller
- Air Cooled Screw Chiller
- Air Cooled Reciprocating Chiller
- Brine Chiller
- Cascade Low Temperature Brine Chiller
- Ammonia Chiller & Refrigeration
- CO₂/ N₂O & Gas Liquefaction Systems
- Batching Chiller
- Falling Film Chiller For 1°C
- Air Chiller/ Dehumidifier
- Oil Chiller
- Heat Pump
- Air cooled/ Water Cooled Condensing Unit

Engineering
For Sustainable
Growth of The
Global Community



www.teqtiveref.in
www.teqtiveref.com

ABOUT THE COMPANY

TEQTIVE

Teqtive is the reliable name with unique combination of technological expertise in the field of industrial process chiller and refrigeration equipment. We are located in Ghaziabad, Uttar Pradesh (46 KM away from Delhi Airport). We design and manufacture the equipment with best manufacturing and quality standard in our manufacturing facilities. It is an organisation setup by a group of experienced and qualified professionals working in same area for decades. Our widest, customized and energy efficient product range offers innovative, unique, and customized solution to the industry. We have qualified and experienced sales and service network in all regions who provides prompt sales and service support to the customers. Our experienced and qualified sales team with unique process expertise are capable to determine process specific solutions and products for Pharmaceuticals, Chemicals, Plastics & Rubber, Automobile, Food & Beverages, Dairy, Gas liquefaction, Medical, Oil & Gas, Construction, Sugar, Paper, Textile, Surface coating, Mobile & Electronics and other industrial applications. We understand the process requirement and offer most suitable and cost-effective solutions. The company's impressive portfolio includes Air cooled scroll/screw/reciprocating chillers, water cooled scroll/screw/ reciprocating chillers, brine/glycol chillers, ammonia chillers, Air chillers, Air dryers & de-humidifiers, Heat pumps, Ice machines with HFCs, HFO and natural refrigerants. Our design and development teams are continuously working towards up-gradation and modernization of equipment. Our quality team with precise and calibrated testing instruments and machineries ensures to deliver the equipment with all checks and quality procedure before dispatching the equipment to the customer to minimize breakdown and failure.

Teqtive's MVV

Mission, Vision & Value

MISSION

Engineering
For Sustainable
Growth of
The Global
Community

VISION

Global
Leading
Engineering
Partner

VALUE

Integrity,
Creativity,
Diversity,
Learning,
Team

Our vision & Mission is to be the market leader in the design & manufacturing of industrial process chiller and refrigeration equipment. We ensure customer satisfaction by providing quality products and services to meet his process requirement on time and every time.



TEQTIVE
Destination for Cooling Solution



Experience
the *difference* of
True Quality.

Heavy Duty Structure of Machinery Never Compromise With The Quality On-Time Product Delivery Possess Large Production Capacity Excellent Customer Service

Manufacturing Facility



EOT Crane



MIG Welding Machines



TIG Welding Machines



Argon Welding Machine



Copper & Brass Brazing Facility



Silver and brass brazing



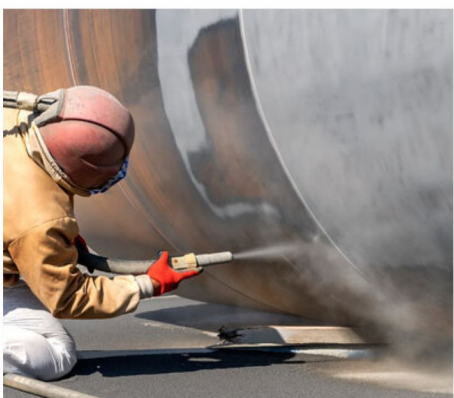
VMC Drill Machines



Lathe Machines



Drill Machines



Shot Blasting Machine



Painting Facility



Powder Coating Facility

Industry Serving



Pharma Industry



Chemical Industry



Food & Beverage Industry



Milk Industry



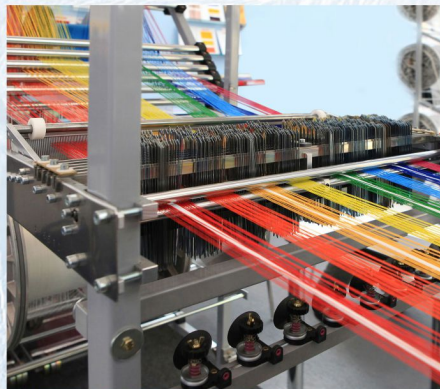
Automobile Industry



Machine Tools & Surface Treatment



Plastic Industry, Packaging & Printing



Textile Industry



Oil And Gas Industry



Gas Liquefaction & Cooling



**Medical Equipment Industry
CMCE, CT Scan, X-ray, Cyclotron**



Paint Adhesive Industry

Air Cooled Scroll Chiller

Capacity Range	5 TR to 78 TR
Temperature Range	(+) 25°C to (-) 10°C
Compressor Type	Scroll
Evaporator Type	Shell & tube type with CS shell & copper tubes (Standard)/ BPHE
Condenser Type	Finned tube type, with internally grooved tubes and aluminium fins and hydrophilic coating
Refrigeration Controls	Valves, filter dryer, Solenoid valves, Expansion valve
Refrigerant	R-407c, R-134a, R-410a, R404a (CFC Free)
Electrical Safety	Motor overload protection, SPP/RP/OV/UV protection
Mechanical Safety	LP/HP/Anti-freeze/Chilled water flow switch
Design Ambient Temp.	0° C to 50° C
Controller Type	PID (Standard)/PLC/Microprocessor
Starter	DOL/VFD/Soft Starter (Optional)



Air Cooled Screw Chiller



Capacity Range	40 TR to 500 TR
Temperature Range	(+) 25°C to (-) 10°C
Compressor Type	Compact semi-hermetic/open screw
Evaporator Type	Shell & tube type with CS shell & copper tubes (Standard)/ BPHE
Condenser Type	Finned tube type, with internally grooved tubes and aluminium fins and hydrophilic coating
Operation	Economized
Refrigeration Controls	Valves, filter dryer, Solenoid valves, Electronic Expansion valve
Refrigerant	R-407c, R-134a (CFC Free)
Electrical Safety	Motor overload protection, SPP/RP/OV/UV protection
Mechanical Safety	Suction/Discharge pressure Switch/transmitter, Suction/discharge/chilled water /cooling water temperature sensors//transmitters, Chilled water flow switch
Design Ambient Temp.	0° C to 50° C
Controller Type	PLC/Microprocessor
Starter	DOL/VFD/Soft starter (Optional)

Air Cooled Reciprocating Chiller

Capacity Range	1 TR to 120 TR
Temperature Range	(+) 25°C to (-) 35°C
Compressor Type	Sealed/Semi-hermetic/Open reciprocating
Evaporator Type	Shell & tube type with CS shell & copper tubes (Standard)/ BPHE
Condenser Type	Finned tube type, with internally grooved tubes & aluminium fins and hydrophilic coating
Refrigeration Controls	Valves, filter dryer, Solenoid valves, Expansion valve
Refrigerant	R-407c, R-134a, R404a (CFC Free)
Electrical Safety	Motor overload protection, SPP/RP/OV/UV protection
Mechanical Safety	LP/HP/Anti-freeze/Chilled water flow switch
Design Ambient Temp.	0° C to 50° C
Controller Type	PID (Standard)/PLC/Microprocessor
Starter	DOL/VFD/Soft starter (Optional)



Water Cooled Scroll Chiller



Capacity Range	5 TR to 90 TR
Temperature Range	(+) 25°C to (-) 10°C
Compressor Type	Scroll
Evaporator Type	Shell & tube type with CS shell & copper tubes (Standard)/ BPHE
Condenser Type	Shell & finned tube type with CS shell & copper finned tubes (Standard)/ BPHE
Refrigeration Controls	Valves, filter dryer, Solenoid valves, Expansion valve
Refrigerant	R-407c, R-134a, R-410a, R404a (CFC Free)
Electrical Safety	Motor overload protection, SPP/RP/OV/UV protection
Mechanical Safety	LP/HP/Anti-freeze/Chilled water/CT Water flow switch
Design Ambient Temp.	0° C to 50° C
Controller Type	PID (Standard)/PLC/Microprocessor
Starter	DOL/VFD/Soft starter (Optional)

Water Cooled Screw Chiller

Capacity Range	40 TR to 500 TR
Temperature Range	(+) 25°C to (–) 10°C
Compressor Type	Compact semi-hermetic/open screw
Evaporator Type	Shell & tube type with CS shell & copper tubes (Standard)/ BPHE
Condenser Type	Shell & finned tubes type (Standard) / BPHE
Operation	Economized
Refrigeration Controls	Suction/Discharge pressure Switch/ transmitter, Suction/discharge/chilled water/ cooling water temperature sensors/transmitters, Chilled water /CT water flow switch
Refrigerant	R-407c, R-134a, R404a (CFC Free)
Electrical Safety	Motor overload protection, SPP/RP/OV/UV protection
Mechanical Safety	LP/HP/Anti-freeze/Chilled water/CT water flow switch
Design Ambient Temp.	0° C to 50° C
Controller Type	PLC/Microprocessor
Starter	DOL/VFD/Soft starter (Optional)



Water Cooled Reciprocating Chiller



Capacity Range	1 TR to 120 TR
Temperature Range	(+) 30°C to (–) 40°C
Compressor Type	Sealed/Semi-hermetic/Open reciprocating
Evaporator Type	Shell & tube type with CS shell & copper tubes (Standard)/ BPHE
Condenser Type	Shell & finned tube type
Refrigeration Controls	Valves, filter dryer, Solenoid valves, Expansion valve
Refrigerant	R404a, R-407c, R-134a, (CFC Free)
Electrical Safety	Motor overload protection, SPP/RP/OV/UV protection
Mechanical Safety	LP/HP/Anti-freeze/Chilled water flow switch
Design Ambient Temp.	0° C to 50° C
Controller Type	PID (Standard)/PLC/Microprocessor
Starter	DOL/VFD/Soft starter (Optional)

Brine Chiller

Brine	Glycol, methanol, CaCl ₂ Etc.
Capacity Range	1 TR to 500 TR
Temperature Range	0°C to (-) 40°C
Compressor Type	Semi-hermetic screw/reciprocating, open screw/ Reciprocating
Evaporator Type	Shell & tube type with CS/SS shell & Copper /SS tubes, BPHE
Condenser Type	Shell & finned tube type
Operation	Economized
Refrigeration controls	Suction/Discharge/oil pressure Switch/transmitter, Suction/discharge/oil/chilled water /cooling water temperature sensors/transmitters, Chilled water/CT water flow switch
Refrigerant	R-407c, R-134a, R404a (CFC Free)
Electrical safety	Motor overload protection, SPP/RP/OV/UV protection
Mechanical Safety	LP/HP/pressure/Oil/Anti-freeze/Chilled water/ CT water flow switch
Design Ambient Temp.	0° C to 50° C
Controller Type	PLC/Microprocessor/PID
Starter	DOL/VFD/Soft starter (Optional)



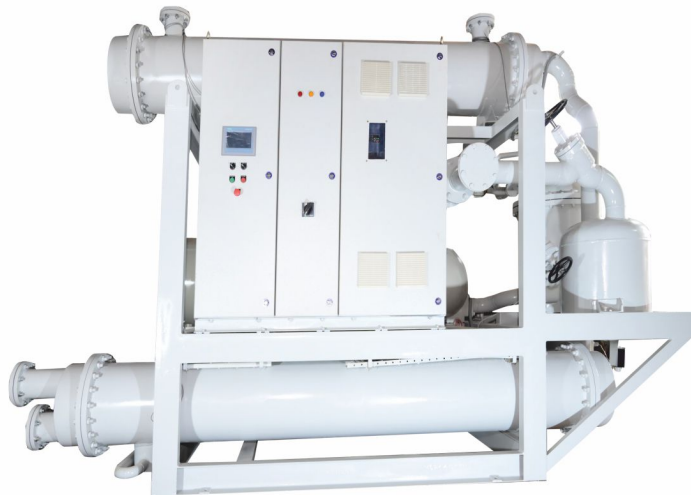
Cascade Low Temperature Brine Chiller



Brine	Glycol, methanol, CaCl ₂ Etc.
Capacity Range	1 TR to 100 TR
Temperature Range	(-) 35°C to (-) 70°C
Compressor Type	Semi-hermetic screw/reciprocating, open screw/ Reciprocating
Evaporator Type	Shell & tube type with CS/SS shell & Copper/SS tubes, BPHE
Condenser Type	Shell & finned tube type
Operation	Economized
Refrigeration Controls	Suction/Discharge/oil pressure Switch/transmitter, Suction/discharge/oil/chilled water /cooling water temperature sensors/transmitters, Chilled water/CT water flow switch
Refrigerant	R-23, R404a, R717, R-407c, R-134a
Electrical Safety	Motor overload protection, SPP/RP/OV/UV protection
Mechanical Safety	LP/HP/pressure/Oil/Anti-freeze/Chilled water/ CT water flow switch
Design Ambient Temp.	0° C to 50° C
Controller Type	PLC/Microprocessor/PID
Starter	DOL/VFD/Soft starter (Optional)

Two Stage Low Temperature Brine Chiller

Brine	Glycol, methanol, CaCl ₂ Etc.
Capacity Range	1 TR to 200 TR
Temperature Range	(-) 25°C to (-) 45°C
Compressor Type	Semi-hermetic screw/reciprocating, open screw/ Reciprocating
Evaporator Type	Shell & tube type with CS/SS shell & amp Copper/ SS tubes, BPHE
Condenser Type	Shell & finned tube type
Operation	Economized
Refrigeration Controls	Suction/Discharge/oil pressure Switch/transmitter, Suction/discharge/oil/chilled water/cooling water temperature sensors/transmitters, Chilled water/ CT water flow switch
Refrigerant	R404a/R-717
Electrical Safety	Motor overload protection, SPP/RP/OV/UV protection
Mechanical Safety	LP/HP/pressure/Oil/Anti-freeze/Chilled water/ CT water flow switch
Design Ambient Temp.	0° C to 50° C
Controller Type	PLC/Microprocessor/PID
Starter	DOL/VFD/Soft starter (Optional)



Ammonia Chiller



Fluid / Brine	Water, Glycol, methanol, CaCl ₂ Etc.
Capacity Range	20 TR to 1000 TR
Temperature Range	0°C to (-) 40°C
Compressor Type	Open screw/ Reciprocating
Evaporator Type	Shell & tube type with CS/SS shell &CS/SS tubes, Semi -welded PHE, IBT, Falling film pillow plate chiller
Condenser Type	Shell & tube type, Semi-welded PHE, Evaporative condenser, Falling film pillow plate chiller
Refrigeration Controls	Suction/Discharge/oil pressure Switch/ transmitter, Suction/discharge/oil/chilled water/ cooling water temperature sensors/ transmitters, Chilled water/ CT water flow switch
Refrigerant	R-717
Electrical Safety	Motor overload protection, SPP/RP/OV/UV protection
Mechanical Safety	LP/HP/Anti-freeze/Chilled water/CT water flow switch
Design Ambient Temp.	0° C to 50° C
Controller Type	PLC/Microprocessor/PID
Starter	DOL/VFD/Soft starter (Optional)

CO₂, N₂O, & Gas Liquefaction Systems

Liquefying Gas	CO ₂ , N ₂ O, Etc.
Capacity Range	10 kg/h to 10,000 kg/h
Temperature Range	(-) 25°C to (-) 70°C
Compressor Type	Semi-hermetic screw/reciprocating, open screw / Reciprocating
Evaporator Type	Shell & tube type with CS shell & SS/Copper tubes
Condenser Type	Shell & tube type/Semi welded PHE/ Evaporative condenser
Refrigeration Controls	Suction/Discharge/oil pressure Switch/transmitter, Suction /discharge/oil/chilled water/cooling water temperature sensors/transmitters, Chilled water/ CT water flow switch
Refrigerant	R-717
Electrical Safety	Motor overload protection, SPP/RP/OV/UV protection
Mechanical Safety	LP/HP/pressure/Oil/Anti-freeze/Chilled water/ CT water flow switch
Design Ambient Temp.	0° C to 50° C
Controller Type	PLC/Microprocessor/PID
Starter	DOL/VFD/Soft starter (Optional)



Batching Chiller For Batching Plant



Type	Air cooled/Water cooled
Capacity Range	20 TR to 360 TR
Temperature Range	(+) 4°C
Compressor Type	Sealed scroll/Semi-hermetic reciprocating/screw
Evaporator Type	Shell & tube type with CS shell & copper tubes, BPHE (Ready to handle muddy water)
Condenser Type	Finned tube type, with internally grooved tubes & aluminium fins and hydrophilic coating, shell & tube type (Ready to work in dusty atmosphere)
Refrigeration Controls	Valves, filter dryer, Solenoid valves, Expansion valve
Refrigerant	R-407c, R-134a, R404a (CFC Free)
Electrical Safety	Motor overload protection, SPP/RP/OV/UV protection
Mechanical Safety	LP/HP/ Anti-freeze/ Chilled water flow switch
Design Ambient Temp.	0° C to 50° C
Controller Type	PLC/ Microprocessor/ PID
Starter	DOL/VFD/ Soft starter (Optional)

Falling Film Chiller For 1°C Potable Water

Type	Air cooled / Water cooled
Capacity Range	100 LPH to 50,000 LPH
Temperature Range	(+) 25°C to (+) 0.5°C
Compressor Type	Sealed scroll/Semi-hermetic reciprocating/screw
Evaporator Type	Pillow plate type
Condenser Type	Finned tube type, with internally grooved tubes and aluminium fins and hydrophilic coating (Air cooled), Shell & tube type (Water cooled)
Refrigeration Controls	Valves, filter dryer, Solenoid valves, Expansion valve
Refrigerant	R-407c, R-134a, R404a (CFC Free)
Electrical Safety	Motor overload protection, SPP/RP/OV/UV protection
Mechanical Safety	LP/HP/Anti-freeze/Chilled water flow switch
Design Ambient Temp.	0° C to 50° C
Controller Type	PLC/Microprocessor/PID
Starter	DOL/VFD/Soft starter (Optional)



Air Chiller/ Dehumidifier



Type	Air cooled / Water cooled
Capacity Range	50 CFM to 50000 CFM
Temperature Range	(+) 25°C to (+) 5°C
Compressor Type	Sealed/Semi-hermetic/Open reciprocating
Evaporator Type	Finned tube type with copper/SS tubes and aluminium/ SS fins
Condenser Type	Finned tube type, with internally grooved tubes and aluminium fins and hydrophilic coating (Air cooled), Shell & tube type (Water cooled)
Refrigeration Controls	Valves, filter dryer, Solenoid valves, Expansion valve
Refrigerant	R-407c, R-134a, R404a (CFC Free)
Electrical Safety	Motor overload protection, SPP/RP/OV/UV protection
Mechanical Safety	LP/HP/Anti-freeze/Chilled water flow switch
Design Ambient Temp.	0° C to 50° C
Controller Type	PLC/Microprocessor/PID
Starter	DOL/VFD/Soft starter (Optional)

Oil Chiller

Type	Air cooled/ Water cooled
Capacity Range	0.5 TR to 150 TR
Temperature Range	(+) 25°C to (+) 40°C
Compressor Type	Sealed/Semi-hermetic/Open reciprocating/ Screw, Sealed scroll
Evaporator Type	Shell & tube type with CS shell & copper tubes, BPHE
Condenser Type	Finned tube type, with internally grooved tubes and aluminium fins and hydrophilic coating(Air cooled), Shell & tube type (Water cooled)
Refrigeration Controls	Valves, filter dryer, Solenoid valves, Expansion valve
Refrigerant	R-407c, R-134a, R404a (CFC Free)
Electrical Safety	Motor overload protection, SPP/RP/OV/UV protection
Mechanical Safety	LP/HP/Anti-freeze/Chilled water flow switch
Design Ambient Temp.	0°C to 50° C
Controller Type	PLC/Microprocessor/PID
Starter	DOL/VFD/Soft starter (Optional)



Air Dryer/Glycol Based Air Dyer



Type	Air cooled / Water cooled
Capacity Range	50 CFM to 50000 CFM
Pressure Dew Point	(+) 2°C
Atmospheric Dew Point	(-) 20°C
Pressure Range	5 Bar (g) to 50 Bar (g)
Compressor Type	Sealed scroll/Semi-hermetic/Open reciprocating/Screw
Evaporator Type	Shell & tube type CS/SS shell and CS/SS tubes / BPHE
Condenser Type	Finned tube type, with internally grooved tubes and aluminium fins and hydrophilic coating(Air cooled), Shell & tube type (Water cooled)
Heat Exchanger	Shell & tube type CS/SS shell and CS/SS tubes / BPHE
Refrigeration Controls	Valves, filter dryer, Solenoid valves, Expansion valve
Refrigerant	R-407c, R-134a, R404a (CFC Free)
Electrical Safety	Motor overload protection, SPP/RP/OV/UV protection
Mechanical Safety	LP/HP/Anti-freeze/Chilled water flow switch
Design Ambient Temp.	0° C to 50° C
Controller Type	PLC/Microprocessor/PID
Starter	DOL/VFD/Soft starter (Optional)

Ice Machine

Type	Air cooled / Water cooled
Ice Shapes	Flakes, Bricks, Cubes
Capacity Range	01 TPD to 60 TPD
Compressor Type	Sealed/Semi-hermetic/Open reciprocating/ Screw, Sealed scroll
Evaporator Type	Vertical drum shaped with motor, gear and shaft assembly
Condenser Type	Finned tube type, with internally grooved tubes and aluminium fins and hydrophilic coating (Air cooled), Shell & tubes type (Water cooled)
Refrigeration Controls	Valves, filter dryer, Solenoid valves, Expansion valve
Refrigerant	R404a/R717
Electrical Safety	Motor overload protection, SPP/RP/OV/UV protection
Mechanical Safety	LP/HP/Anti-freeze/Chilled water flow switch
Design Ambient Temp.	0° C to 50° C
Controller Type	PLC/Microprocessor/PID
Starter	DOL/VFD/Soft starter (Optional)



Heat Pump

Type	Air to water, water to water
Capacity Range	3 KW to 2000 KW
Hot water Temp. Range	(+) 45 to (+) 90 Deg. C
Compressor Type	Sealed scroll/Semi-hermetic screw
Evaporator Type	BPHE, Shell & tube type
Condenser Type	Finned tube type, with internally grooved tubes and aluminium fins and hydrophilic coating(Air cooled), Shell & tube type (Water cooled)
Refrigeration Controls	Valves, filter dryer, Solenoid valves, Expansion valve
Refrigerant	R-407c, R-134a, R404a (CFC Free)
Electrical Safety	Motor overload protection, SPP/RP/OV/UV protection
Mechanical Safety	LP/HP/Anti-freeze/Chilled water flow switch
Design Ambient Temp.	0° C to 50° C
Controller Type	PLC/Microprocessor/PID
Starter	DOL/VFD/Soft starter (Optional)

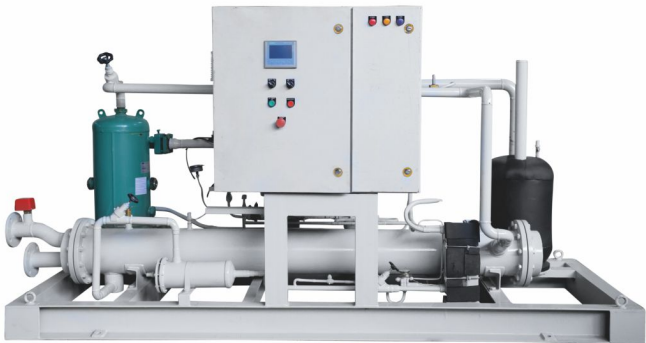


Air Cooled Condensing Unit

Capacity Range	1 TR to 100 TR
Temperature Range	(+) 10°C to (-) 45°C
Compressor Type	Sealed scroll/Semi-hermetic/Open reciprocating/Screw
Condenser Type	Finned tube type, with internally grooved tubes and aluminium fins and hydrophilic coating
Refrigeration Controls	Valves, filter dryer, Solenoid valves, Expansion valve
Refrigerant	R-407c, R-134a, R404a (CFC Free)
Electrical Safety	Motor overload protection, SPP/RP/OV/UV protection
Mechanical Safety	LP/HP/Anti-freeze/Chilled water flow switch
Design Ambient Temp.	0° C to 50° C
Controller Type	PLC/Microprocessor/PID
Starter	DOL/VFD/Soft starter (Optional)

Water Cooled Condensing Unit

Capacity Range	1 TR to 400 TR
Temperature Range	(+) 10°C to (-) 45°C
Compressor Type	Sealed/Semi-hermetic/Open reciprocating
Condenser Type	Shell & finned tube type
Refrigeration Controls	Valves, filter dryer, Solenoid valves, Expansion valve
Refrigerant	R-407c, R-134a, R404a (CFC Free)
Electrical Safety	Motor overload protection, SPP/RP/OV/UV protection
Mechanical Safety	LP/HP/Anti-freeze/Chilled water flow switch
Design Ambient Temp.	0° C to 50° C
Controller Type	PLC/Microprocessor/PID
Starter	DOL/VFD/Soft starter (Optional)



Installation



**SCREW CHILLER INSTALLATION IN A
MOBILE MANUFACTURING PLANT**



**BRINE CHILLER INSTALLATION IN
A PHARMACEUTICAL PLANT**



**AMMONIA CHILLER INSTALLATION
IN A DISTILLERY PLANT**



**SCREW CHILLER INSTALLATION AT
A PLASTIC BLOWN FILM PLANT**



**BATCHING CHILLER INSTALLATION
AT CONSTRUCTION SITE**



**REFRIGERATION UNIT INSTALLATION
IN A BUTTER MANUFACTURING PLANT**

Our Clientele



More Many...

Our Global Presence





01

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04

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