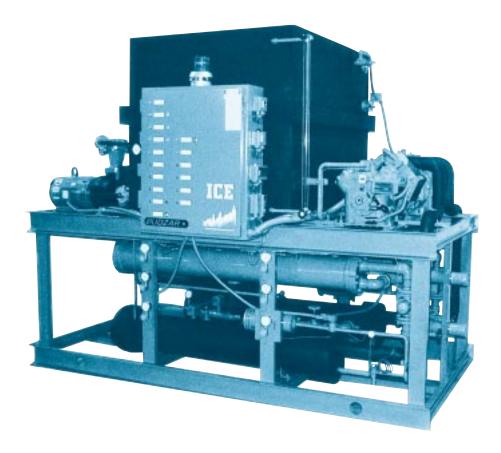
DUAL-CIRCUIT WATER-COOLED CHILLER



Gemini Series Dual-Circuit Central Chillers

ICE Gemini Series Dual-Circuit, Water-Cooled Chillers are the most reliable chillers on the market. This reliability comes from the dual-circuit design. The Gemini is essentially two chillers in one. Each of the dual chiller circuits is totally unaffected by operating conditions in the other circuit, guaranteeing 50% chiller capacity even if one circuit becomes inoperative. If your process cannot afford a chiller breakdown, the Gemini is for you.

The Gemini Series Chillers offers capacities from 20 to 80 nominal tons. This series is designed for processes requiring chiller fluid temperatures from +30°F to +60°F.

Budzar also designs and manufactures specialized equipment for non-standard applications. Our engineers have extensive experience in process chilling and heating applications for such industries as: rubber, paper, plastics, chemical, food, and metal working. We take the time to understand your current and future needs and design a solution targeted at high quality and fast payback.



engineering PRECISION

EXCELLENT RETURN ON INVESTMENT

- · Each Budzar unit is designed to maximize the productivity of your process. Budzar quality and reliability provide excellent value for each dollar invested.
- · Gemini Series chillers achieve rapid payback by reducing lost production due to chiller down-time.

LOW-COST, SIMPLE **OPERATION AND MAINTENANCE**

- Semi-hermetic compressors feature cylinder unloading capacity control for precise temperature control and extended equipment service life under varying load conditions.
- · A.S.M.E. constructed steel shell and copper tube chiller vessels and evaporators are specifically selected for optimum performance and efficiency.
- · Easy-to-monitor functions status indicators provide safe, easy operation.

OUICK AND EASY INSTALLATION

- Installation cost is lowered by combining our chillers with water reservoir assemblies. Our units arrive at your plant pre-piped, and pre-wired.
- All units are factory tested prior to shipment.

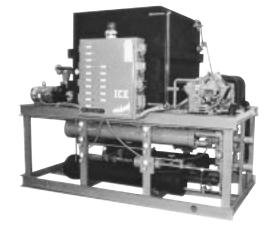


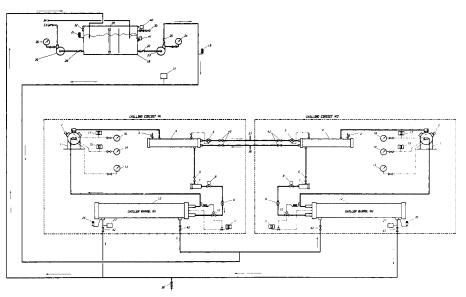


- Compressor
- Unloader Solenoid
- Relief Valve
- 4. Water Cooled Condenser
- 5. Water Regulating Valve
- Liquid Line Service Valve
- 7. Filter Drier
- 8. Liquid Line Solenoid Valve
- Sight Glass/Moisture Indicator
- 10. Expansion Valve
- 11. Low Pressure Freeze Control
- 12. Chiller Barrel
- 13. Oil Pressure Gauge
- 14. Low Pressure Gauge (Suction)
- 15. Pumpdown Control

- 16. High Pressure Gauge (Discharge)
- High Pressure Switch
- 18. Reservoir, Baffled & Insulated with Cover
- 19. Process Return Thermometer
- 20. Sight Glass
- 21. Process Supply Thermometer
- Chiller Pump Suction 22. Shut-Off Valve
- Chiller Pump
- 24. Chiller Water Pressure Gauge
- 25. Chiller Water Flow Control/Shut-Off Valve
- Low Temperature Freezestat
- 27. Flow Switch

- 28. Process Pump Suction Shut-Off Valve
- Process Pump 29.
- 30. Process Water Pressure Gauge
- 31. Chiller Sequencing Thermostat
- Over Flow Port
- 33. Process Water Supply
- Process Water Return
- 34. 35. Make-Up Water Shut-Off Valve
- Condenser Tower Water Inlet
- 37. Condenser Tower Water Outlet
- 38. Drain Valve
- 39. Condenser Purge/Access Valve
- 40. Make-Up Water Solenoid Valve
- 41. Make-Up Water Float Switch
- 42. Service Valve





GEMINI SERIES DUAL-CIRCUIT CENTRAL CHILLERS WITH **INTEGRAL TANK & PUMPS**

WATER-COOLED; DUAL-COMPRESSORS; DUAL-EVAPORATORS; DUAL-CONDENSERS

MODEL		GP-20D	GP-30D	GP-40D	GP-50D	GP-60D	GP-70D
Capacity - Compressors (2) - Chiller Pump - Chiller Flow - Process Pump - Process Flow - Reservoir Size - Reservoir Volume - Amps @ 460 V MCA / mtdf -	TONS HP EACH HP GPM / PSI HP GPM / PSI Dimensions GAL AMPS AMPS	20.8 7 ¹ / ₂ 1 ¹ / ₂ 62 @ 15 5 83 @ 52 2.5x5x3' 225 46.2 51 / 60	32.6 15 2 93 @ 13 7'/ ₂ 125 @ 54 2.5x5x4' 312 66.6 74 / 90	36.1 20 3 110 @ 15 7'/2 140 @ 51 2.5x5x4' 312 78.8 87 / 100	46.1 25 3 140 @ 14 10 190 @ 51 3x6x4' 455 95.8 106 / 125	53.8 30 3 160 @ 12 15 210 @ 55 3x6x4' 455 131.6 145 / 175	71.1 35 5 203 @ 17 15 272 @ 54 3.5x6x5' 680 140.8 155 / 175
MODEL Capacity - Compressors (2) - Chiller Pump - Chiller Flow - Process Pump - Process Flow - Reservoir Size - Reservoir Volume - Amps @ 460 V MCA / mtdf -	TONS HP EACH HP GPM / PSI HP GPM / PSI Dimensions GAL AMPS AMPS	78.6 40 5 240 @ 13 20 320 @ 55 3.5x6x5' 680 161.6 178 / 200	1. CAPACITIES ARE LISTED AS GROSS TONS 2. COMPRESSORS ARE COPELAND "DISCUS" HIGH-EFFICIENCY TYPE 3. CHILLER FLOWS ARE BASED ON 8 DEG. F WATER DELTA 4. PROCESS FLOWS ARE BASED ON A 6 DEG. F WATER DELTA 5. FOR AMPS @ 230 V. DOUBLE THE LISTED VALUES 6. MCA = MINIMUM CIRCUIT AMPACITY 7. MTDF = MAXIMUM TIME DELAY FUSE				

Budzar Industries reserves the right to discontinue or change specifications without notice, consistent with sound engineering practice and current industrial standards.



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