






UNITROL

UNITROL ELECTRONICS, INC.
 702 Landwehr Road, Northbrook, IL 60062
 800-621-4244 / 847-480-0932
 info@unitrol-electronics.com
 www.unitrol-electronics.com

Process Water Chillers From 1/3 to 50 Tons for:

- ❄ Spot Welders
- ❄ Food Safety
- ❄ MIG / TIG Welders
- ❄ Medical Equipment
- ❄ Water Jet Machines
- ❄ Induction Heating
- ❄ Plastic Molders
- ❄ Laser Systems
- ❄ Hydraulic
- ❄ Industrial Processes

MODEL	NOMINAL		ELECTRICAL (60 Hz)	FULL LOAD AMPS	WATER PUMP HP	MAX. WATER FLOW RATE (GPM @35psi)	TANK CAP. (GAL)	DIMENSIONS (INCHES)			APPROX. SHIPPING WEIGHT (LBS)	
	BTU/HR OUTPUT @90°F	TONS (COMP HP)						L	W	H		
	8000	4,000	1/3	115/1	16	1/3	3	3	16	26	20	150
	8012	6,000	1/2	115/1	22	1/3	3	3	16	26	20	165
	8015C	6,000	1/2	230/1	12	1	20	15	29	36	51.5	415
	8025C	8,000	3/4	230/1	14	1	20	15	29	36	51.5	425
	8026C	8,000	3/4	115/1	29	1	20	15	29	36	51.5	425
	8050C	12,000	1	230/1	15	1	20	15	29	36	51.5	455
	8051C	12,000	1	460/3	7	1	20	15	29	36	51.5	435
	8052C	12,000	1	115/1	28	1	20	15	29	36	51.5	435
	8055C	18,000	1-1/2	230/1	22	1	20	15	29	36	51.5	455
	8075C	18,000	1-1/2	230/3	14	1	20	15	29	36	51.5	455
	8076C	18,000	1-1/2	460/3	8	1	20	15	29	36	51.5	455
	8100C	26,900	2-1/4	230/1	26	1	20	15	29	36	51.5	525
8101C	26,900	2-1/4	230/3	17	1	20	15	29	36	51.5	525	
8102C	26,900	2-1/4	460/3	9	1	20	15	29	36	51.5	525	
8110C	40,000	3-1/4	460/3	15	1	20	15	29	36	51.5	625	
8111C	40,000	3-1/4	230/3	28	1	20	15	29	36	51.5	625	
	8200	60,000	5	460/3	17	2	50	15	50	52	38	1,095
	8201	60,000	5	230/3	34	2	50	15	50	52	38	1,095
	8250	90,000	7-1/2	460/3	19	2	50	15	50	52	44	1,220
	8251	90,000	7-1/2	230/3	38	2	50	15	50	52	44	1,220
	8300	120,000	10	460/3	23	3	80	15	50	52	44	1,285
	8301	120,000	10	230/3	45	3	80	15	50	52	44	1,285
	8400 2=modules	180,000	15	460/3	1=16 1=19	3	80	30	50 each	52 each	44 each	1=1,220 1=1,170
	8401 2=modules	180,000	15	230/3	1=38 1=33	3	80	30	50 each	52 each	44 each	1=1,220 1=1,170
	8450 2=modules	240,000	20	460/3	1=23 1=20	5	180	40	50 each	52 each	44 each	1=1,285 1=1,235
	8451 2=modules	240,000	20	230/3	1=45 1=37	5	180	40	50 each	52 each	44 each	1=1,285 1=1,235
	8500 3=modules	300,000	25	460/3	1=23, 1=20 1=17	5	180	60	50 each	52 each	2=44 1=38	2=1,220 1=1,015
	8550 3=modules	360,000	30	460/3	1=32 2=28	7-1/2	230	60	50 each	52 each	50 each	1=1,285 2=1,235
	8600R	480,000	40	460/3	108	7-1/2	230	90	170	45	80	4,285
	8650R	600,000	50	460/3	132	10	310	90	170	45	80	4,720

AVAILABLE OPTIONS:

- 8001-03 Dew Point Protection control to prevent water condensation from damaging welder transformer.
- 8001-01 Manual Water Refill with sight glass and low tank water level safety switch.
- 8001-11 Caster set, 4" diameter.
- 8001-20 Split system with remote condenser.
- 8001-14 Polished Stainless Steel outer panels
- 8001-08 De-ionized water package

WHY BUY UNITROL CHILLERS?

Unitrol has since 1971 only manufactured "**AUTOMOTIVE GRADE**" chillers which come complete with features that are extra cost or not available on their line of "commercial grade" chillers. And yet the cost to you is about the same. And when you add the cost they charge as options for these features, **Unitrol comes out at a lower cost.**

These features are supplied **at no extra cost** to handle continuous operation at full capacity under the harshest of industrial conditions. These features, supplied **standard** with all Unitrol chillers, can **save upwards of \$1,700.00** in cost over other chillers.

- **AUTOMATIC WATER REFILL VALVE.** This is an option for commercial chillers and costs about **\$175.00** and up and is **standard on Unitrol chillers except model #8000.**
- **LOW WATER FLOW SAFETY SWITCH** to protect refrigeration components stops the compressor if a fault occurs that could freeze the system. This is about a **\$300.00** option on other chillers but **standard on Unitrol chillers.**
- **BACKFLOW PROTECTION:** to prevent water overflow in tank when system is shut off. Kit includes zero pressure water solenoid valve, and check valve. Supplied on 5-ton or larger chillers. This is a **\$300.00 - \$400.00** option on other chillers. **They are standard on all Unitrol chillers 5 tons and larger.**
- **STAINLESS STEEL BRAZE PLATE EVAPORATOR,** mounted outside of water tank. Our outside stainless steel evaporator produces the maximum cooling efficiency possible to get more than the "nominal" rating out of our chillers at all flow rates. Many other companies put a finned evaporator coil inside their tank.
 - This is a major service problem because service or inspection of the coil requires removal of the water tank.
 - A coil inside the tank has low water flow across the fins to cause clogging that continues to lower efficiency and ability to cool the water.
- **SELF-CLEANING EVAPORATOR:** Because of the high flow rate through our outside evaporator, the Unitrol system is self-cleaning. Since water flow across the evaporator coils inside other brand chillers tanks is not uniform, chiller efficiency at low to medium flow rates is poor, and the fins on the in-tank evaporators have to be periodically cleaned.
- **STAINLESS STEEL WATER PUMPS.** This increases pump efficiency and eliminates corrosion found in other types of pumps.
- **LOW WATER-FLOW BYPASS VALVE** to allow use of chiller at any external water flow level and still prevent water freezing in the evaporator. This recent addition to our chillers allows outside flow to be 0 – maximum without effecting chiller operation. The bypass will always keep a balanced flow through the evaporator and not deadhead the water pump (saves seals). This is a **\$120.00** option on many other brand chillers but **standard on Unitrol chillers.**
- **SEAMLESS NON-METALLIC WATER TANKS** with non-metallic and brass fittings. We have found these tanks to be 100% without leaks since the first chiller in 1971.
- **RETURN WATER FILTER/STRAINER** with live flush valve prevents contaminants from reducing the efficiency of the cooling evaporator and also prolongs the life of the water pump. This option can cost **\$175.00** on other brand chiller but **standard on Unitrol chillers.**
- **AIR INTAKE FILTER,** washable. This is not available on most commercial chillers. We feel that a chiller operating in typical factory conditions should have the ability to trap dirt and oils on a filter and not on the condenser coils. Because of this standard air intake filter system, our chillers do not require periodic flushing and chemical cleaning of the evaporator coils. This feature can cost **\$250.00 or more** on commercial chillers and is **standard on Unitrol chillers.**
- **SERVICE "HOT"** ability. All inspection and adjustments can be done with all outside panels removed. This is required for automotive chillers since they do not want to take a line down while doing inspection or minor repair (hose leaks, etc.) on a chiller. You cannot do this on most commercial chillers since removing the panels on an operating chiller will run the pressure to the high limit and turn the compressor off.
- **ELECTRONIC DIGITAL CONTROLLER.** Single stage for 10-ton and smaller chillers, dual and triple staged for 15-ton or larger chillers for maximum efficiency. This is a **\$100.00** option for other manufacturers on smaller chillers.
- **NON-FERRIS FITTINGS** on all water passage fittings to prevent internal rust accumulation and allow use of the chiller on a wide variety of fluids.

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