

PORTABLE CHILLERS WATER-COOLED

Portable Water Cooled Chillers from Budzar Industries with a Programmable Logic Controller (PLC) are built for top performance and engineered for bottom line control.

Portable Water-Cooled Chillers are shipped completely wired, piped, tested and ready to install and contains a scroll compressor. Other features include:

- Non-Ferrous Construction
- Scroll Compressor
- Stainless steel plate type evaporator
- Stainless steel Centrifugal pump
- Liquid line solenoid valve
- Filter/drier, sight glass/mositure indicator
- Hot gas bypass valve (capacity modulation)
- Low pressure safety
- High pressure safety
- Access ports on service valves
- Stainless steel tank
- NEMA 1 electrical enlosure
- Pump discharge pressure and flow
- Compressor discharge pressure
- Liquid refrigerant temperature and sub-cooling
- Evaporator inlet/outlet temperature
- Compressor pump status
- Selectable controlled parameters

The Portable Water-Cooled Chillers are designed to circulate a fluid medium between 20° - 70°F for a wide variety of industries including pharmaceutical, plastic, rubber, tire, and food.

Portable Water-Cooled Chillers from Budzar Industries are constructed with a (PLC) Programmable Logic Controller. The PLC displays instrumentation information i.e.: pump discharge pressure and flow, compressor suction and discharge pressure as well as compressor pump status. The highly program-mable PLC may be customized to your process and software may be updated via a programming key or transferred directly from a personal computer. The PLC also displays troubleshooting information and identifies and adjusts to marginal operating conditions. Additional features include a remote set-point and alarm, retransmission as well as self-testing, sensor failures and diagnostics.

The Portable Water-Cooled Chillers are built to take the heat in industrial duty applications. The top quality components will stand up to your process and challenging plant environments. All components are non-proprietary. The best refrigeration compo-nents available have been selected, including a scroll compressor. Each unit is factory tested prior to shipping to ensure accuracy and quality.

Budzar Industries 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: chemical, defense, energy, extraction, food, medical, pharmaceutical, plastics, rubber, tire and, semiconductor. We take the time to understand your current and future needs and design solutions targeting high quality and fast payback.



PROGRAMMABLE LOGIC CONTROLLER PROVIDES:

PROGRAMMABILITY

-Software may be customized, transferred from a personal computer and updated via programming key

DISPLAYED INSTRUMENTATION INFORMATION

- Pump discharge pressure and flow
- Compressor suction pressure, temperature and superheat
- Liquid refrigerant temperature and sub-cooling
- Evaporator inlet and outlet temperature
- Compressor pump status

CONTROLLER FUNCTIONS

- Selectable controlled parameter (supply or return temperature)

HIGH TECHNOLOGY

- All alarm situation, values of the monitor parameters and the status of the controlled devices are saved for service/maintenance review
- Troubleshooting information is displayed when circumstances require assistance
- The controller identifies marginal operating conditions and adjusts chiller operation



Refer to www.Budzar.com for ISO Certificate with specific details.



PORTABLE WATER-COOLED CHILLERS

OPTIONS AVAILABLE

- Voltage Options: 208/3/60; 230/3/60; 460/3/60; 575/3/60; 576/3/60
- ByPass Valve
- Shut-Off Valves
- Automatic Make-up
- UL 508A Labeled Control Panel

Model	WC-3	WC-5	WC-8	WC-10	WC-15	WC-20
Capacity (nominal tons)	3.1	5.2	8.2	10.5	15.4	21.0
# of Compressors	1	1.0	1	1	1	1.0
Compressor HP	3	5.0	8	10	15	20.0
Cooling Capacity Control	0%-100%	0%-100%	0%-100%	0%-100%	0%-100%	0%-100%
Full Load Amp						
230/3/60	17.5	23.9	38.3	39.8	39.1	51.8
460/3/60	9	12.3	17.4	20.5	20	24.2
Condenser Water Flow						
Tower Water @ 30 PSI	10	16.5	24	33	48	64.0
City Water @ 30 PSI	7	11.0	16	22	16	21.0
Condenser Connection (npt)	0.75	1	1.25	1.5	2	2.0
Pump						
HP	1	1.0	1.5	1.5	2	3.0
GPM/PSI	7/40	12/40	19/44	21/40	34/40	41/45
Reservoir Capacity (gal)	31	31	65	65	65	65.0
Process Connection (npt)	0.75	1	1	1	1.5	1.5
Dimensions (in)						
Height	61	61.0	63	63	70.5	70.5
Width	29	29.0	33	33	36	36.0
Length	45.5	45.5	56.5	56.5	72	72.0
Shipping Weight (lbs)	500	600	1000	1200	1400	1600

UNITS AVAILABLE FROM BUDZAR INDUSTRIES



Low Temperature Process Chillers to -85°C



Clean Steam Sampling Cart



Standard and Custom Temperature Control Modules



Cold Storage Room



CIP Systems



Reactor Temperature Control Systems from -85°C to +200°C