

Cold Shot Chillers

"ECONOMICALLY PRICED DEPENDABILITY"



TECHNICAL SPECIFICATION

Model: ACWC-024-Q-ST¹-__²-__³-2⁴

Description:

Single stage air-cooled water chiller system. System capacity indicated on table is the approximate BTU/hr based on a leaving fluid temperature of 50°F with an ambient air temperature of 95°F.

CAPACITY ±5% AT 50° LCWT / 95°F AMBIENT		24,000 BTU /HR				
COMPRESSOR / REFRIGERANT		HERMETIC SCROLL / R-410A				
CONDENSER FANS / AIRFLOW		1 / 2325 CFM				
CONDENSER COILS TYPE		COPPER TUBE / ALUMINUM FIN				
EVAPORATOR TYPE		STAINLESS STEEL / COPPER BRAZED				
FLUID CONNECTIONS		1" (IN/OUT) MNPT				
ELECTRICAL:	V - Ø - HZ	COMP RLA / LRA	FAN FLA	MCA	MOCP	
- 2	230 - 1 - 60	11.2	60.8	0.7	14.7	25
DIMENSIONS		42" L x 32 ½" W x 51 ½" H				
WEIGHT (APPROX.)		350 LBS				

Note: All specifications subject to change without notice. Specify voltage and ambient condition upon ordering.

MCA: Minimum circuit amps per UL 1995. MOCP: Maximum overcurrent protective device per UL 1995.

STANDARD FEATURES:

- **Controls:** Electronic programmed temperature controller with constant (set point & process) temperature readout.
- **Refrigeration Components:** Efficient scroll compressors, sight glass/moisture indicators, balanced port expansion valves, filter drier, pump down valves, fan cycling head pressure controls.
- **Process Fluid Components:** Bronze "Y" strainer with 20 mesh stainless steel screen.
- **Safety Controls:** High and low refrigerant pressure, high and low fluid temperature, freeze, low water flow, overloads for compressor and fan motors.
- **Construction:** Welded steel powder coated frame and full metal cabinet, copper piping connections.
- **Warranty:** One year parts / five year compressor.

SUITABLE AMBIENT CONDITIONS/FEATURES:

- **IND:** Indoor use only. Casters, optional.
- **40:** Suitable for outdoor use with an ambient of 40°F ambient. Casters, optional.
- **0:** Suitable for outdoor use to 0°F ambient. Casters, optional.
- **M20:** Suitable for outdoor use to -20°F ambient. Includes hot gas bypass, internal wind baffles. Casters, optional.

¹ Flow Design (__=Portable, ST=Stationary, RF=Reverse Flow, EXCH=Extra Heat Exchanger, DP=Dual Pump, DR=Dual Return)

² Leaving Fluid Temperature (__=Standard, LT=Low Temperature-specify lowest temperature in °F)

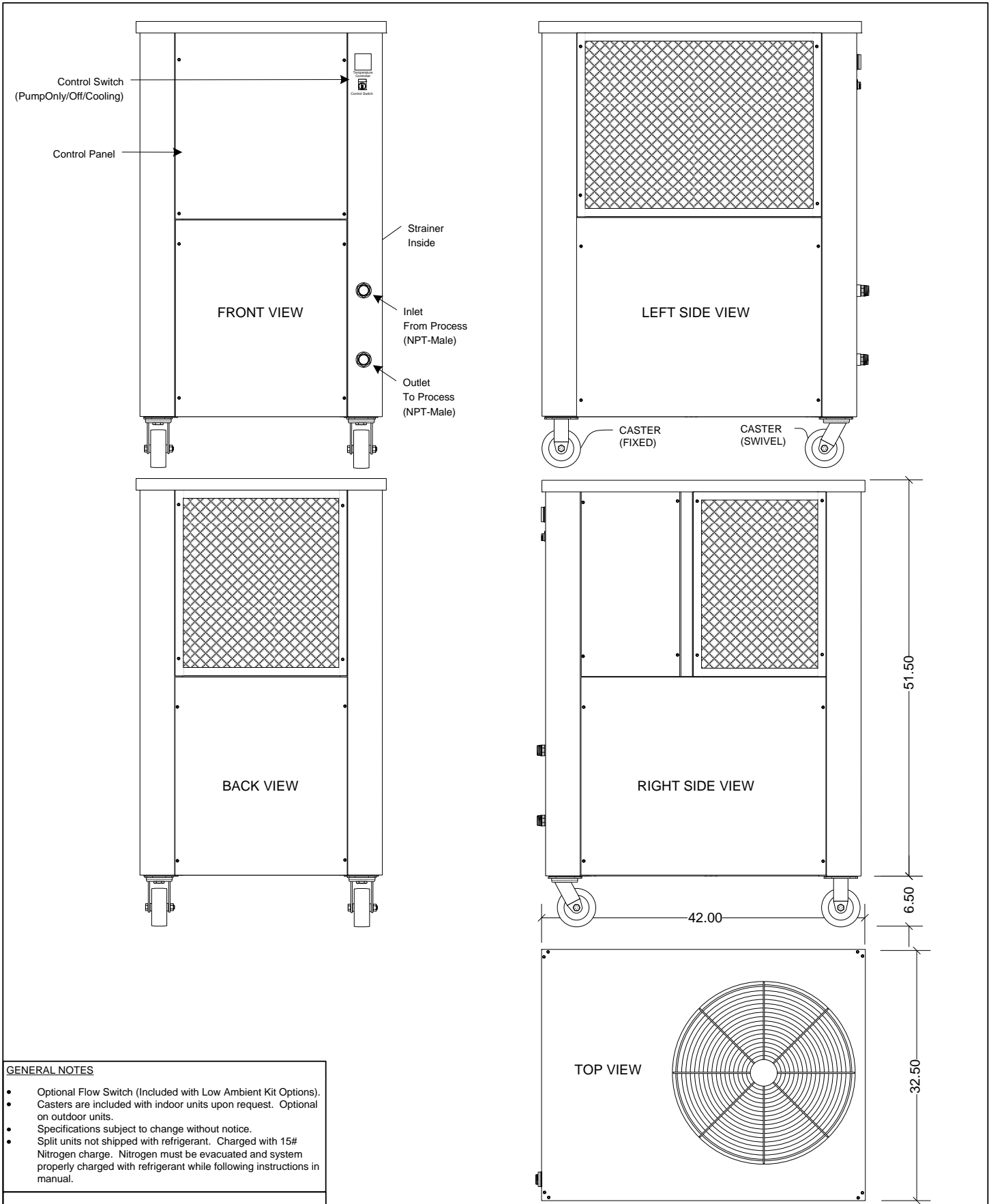
³ Ambient Temperature Conditions (see above)

⁴ Electrical Power Code (see above)

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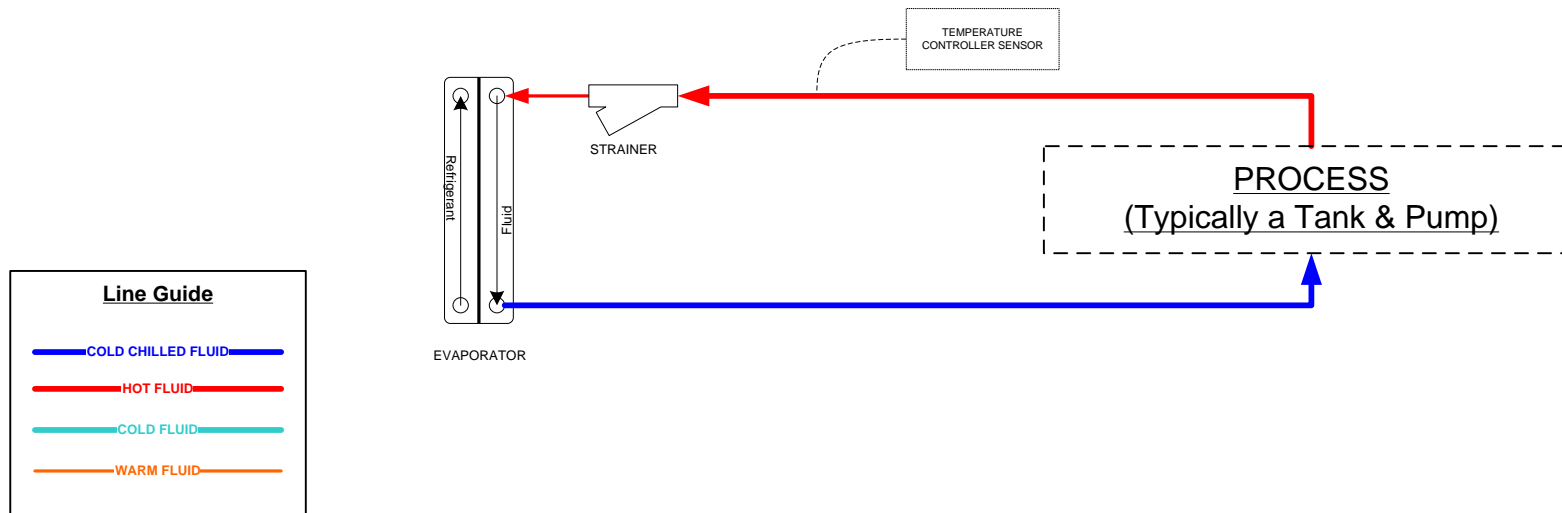
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- GENERAL NOTES**
- Optional Flow Switch (Included with Low Ambient Kit Options).
 - Casters are included with indoor units upon request. Optional on outdoor units.
 - Specifications subject to change without notice.
 - Split units not shipped with refrigerant. Charged with 15# Nitrogen charge. Nitrogen must be evacuated and system properly charged with refrigerant while following instructions in manual.

COLD SHOT CHILLERS		SIZE	DIMENSION NOTES	DWG NO	REV
DRAWN	ENGINEERING	A	Dimensions are in inches Unless otherwise specified.	INSTALLATION DRAWING ACWC-024-Q-ST_ (Typical)	1
ISSUED	7/21/2016	SCALE	None	DWG-INST_ACWC-024-Q-ST_.vsd	SHEET 1 / ACWC-024-Q-ST_ (EntireFullPanel)(All)

STATIONARY (ST)



COLD SHOT CHILLERS

DRAWN ENGINEERING

ISSUED 6/21/2018

SIZE

A

SCALE NTS

NOTES

- All designs are subject to change without notice.
- The diagrams are to be used as a basic flow diagram only.
- Color Code is for relative temperature comparison.
- Additional components may be included.
- Evaporator may be located in tank.

DESCRIPTION

Typical FLOW OPTIONS for Chiller Circuits

REV

1

DWG-CKT_ChillerCircuitFlowOptions-Typical_062218.vsd

SHEET

5 / Stationary (ST)