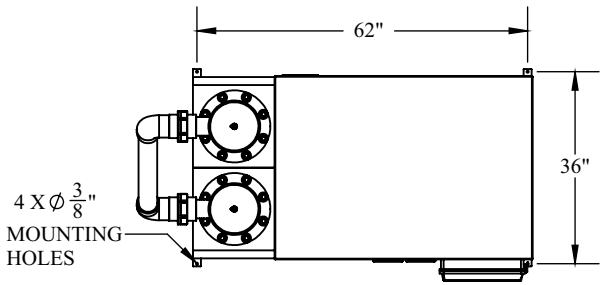
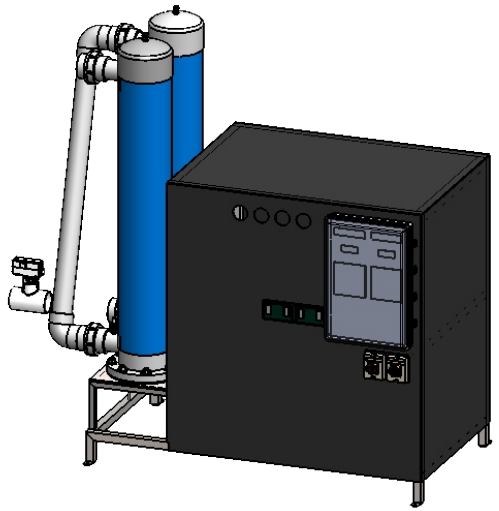
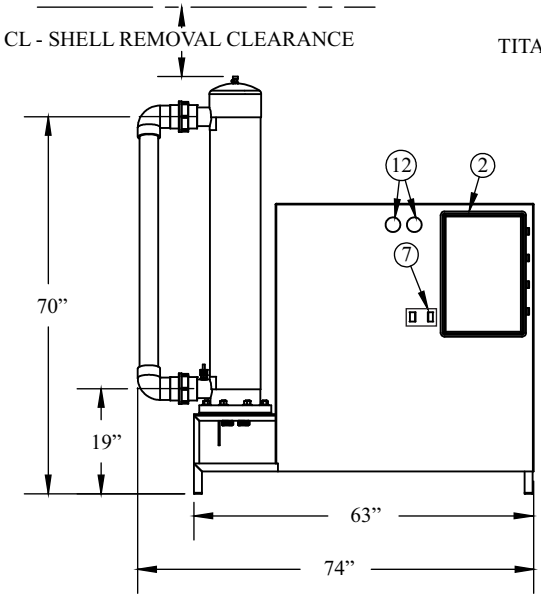
HP-15-DE-WC WATER-COOLED HEAT PUMP SPECIFICATION SHEET



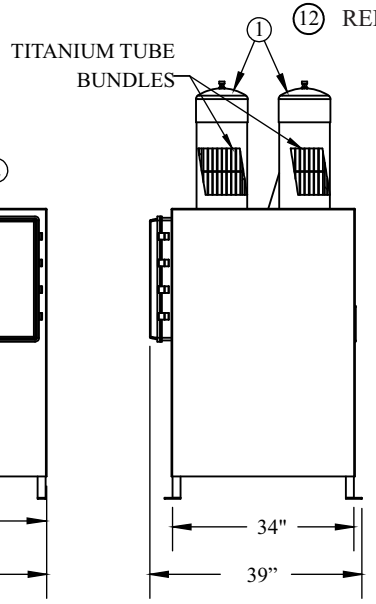
TOP

1. TITANIUM TUBE / PVC EVAPORATORS
2. CONTROL PANEL
3. MAIN POWER IN J-BOX
4. SAFETY WATER CUTOUT FLOW SWITCH
5. EVAPORATOR POOL WATER INLET 2" NPS UNION
6. EVAPORATOR POOL WATER OUTLET 2" NPS UNION
7. REFRIGERANT HIGH / LOW PRESSURE CUTOUT SWITCH
8. 1-1/2" FPT CONDENSER WATER OUTLET
9. 3/4" FPT CONDENSER CLEANING PORT INLET
10. 3/4" FPT CONDENSER CLEANING PORT OUTLET
11. 1-1/2" FPT CONDENSER WATER INLET
12. REFRIGERANT LIQUID / SUCTION PRESSURE GAUGES

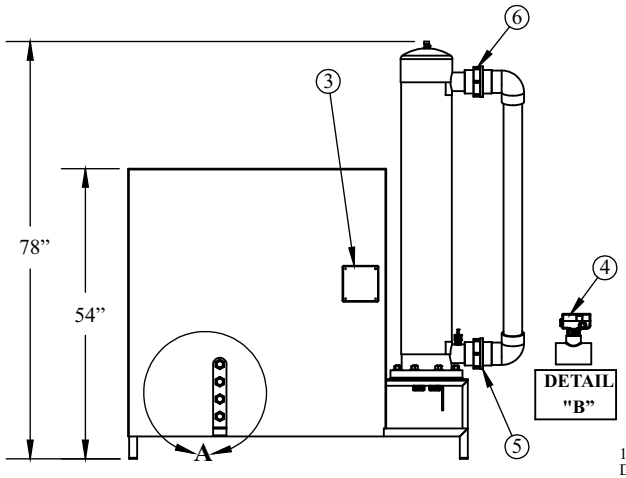




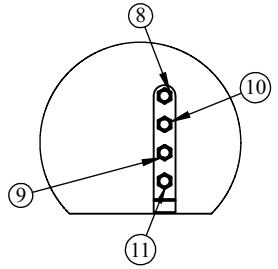
FRONT



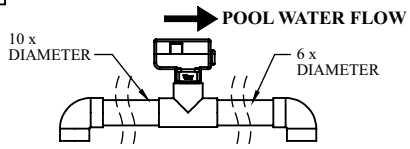
RIGHT



BACK



DETAIL A



**** IMPORTANT!**

-DETAIL "B"
-FLOW SWITCH MUST BE FIELD INSTALLED VERTICALY ON A HORIZONTAL STRAIGHT PIPE WITH NO LESS THAN 10 TIMES THE PIPE DIAMETER ON THE INLET SIDE AND NO LESS THAN 6 TIMES THE DIAMETER ON THE OUTLET SIDE.

OPTIONS:
- SCH 80 PVC SHELL CONSTRUCTION.
- 316 STAINLESS STEEL STAND AND HEX BOLTS.

MULTI-TEMP WATER-COOLED CHILLER											
MODEL NO.	NOMINAL TON / BTUH	VOLTZ / PHASE / HZ	COMPRESSOR NO. / TONS	TOTAL AMPERAGE RLA / LRA	TOTAL MCC AMPS	MAX. FUSE / BREAKER SIZE	EVAPORATOR WATER FLOW MIN / MAX (GPM)	*CONDENSER WATER FLOW (GPM) / ~PSI DROP @ 70 °F EWT	CONDENSER WATER CONNECTIONS (FPT)	CL	SHIPPING DIMENSIONS (IN.)
HP-15-DE-WC	15 / 180,000	230 / 3 / 60	1 / 15	54 / 351	75	70	60 / 100	36 / 12	2 @ 1-1/2"	63"	80 x 45 x 83
HP-15-460-DE-WC	15 / 180,000	460 / 3 / 60	1 / 15	28 / 125	39	50	60 / 100	36 / 12	2 @ 1-1/2"	63"	80 x 45 x 83

NOTES
- WHEN THE HEAT PUMP IS IN THE OFF CYCLE,WATER FLOWING THROUGH THE CONDENSER IS STOPPED.
- WATER FLOW RATE THROUGH THE EVAPORATOR NEEDS TO BE MAINTAINED CLOSE TO AT LEAST 100 GPM WHEN THE WATER TEMPERATURE IS 55 °F AND BELOW.
- *CONDENSER FLOW TEMPERATURE IS MINIMUM OF 55°F AND MAXIMUM OF 75°F.
- WATER TEMPERATURE. IF OPERATING OUTSIDE THESE PARAMETERS CONTACT AQUA LOGIC TECHNICAL SUPPORT.
- IF MAINTAINING AN EVAPORATOR WATER TEMPERATURE BELOW 55°F CONSULT AQUA LOGIC TECHNICAL SUPPORT.
- THE SPECIFIED AMPERAGE IS BASED ON UNITS RUNNING WITH A 75°F EVAPORATOR WATER TEMPERATURE.
- ALL DIMENSIONS ARE APPROXIMATE AND CAN CHANGE AT ANY TIME.

aqua LOGIC
Chillers & Titanium Heat Exchangers
2806 GRAY FOX RD., MONROE, NC 28110

BALLON LEGEND
ITEM NO. 1
QTY. 1

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DESCRIPTION	DRAWN BY	DATE	REVISION	DRAWING #	SHEET TITLE	SCALE	SHEET #
	CEPPS	12/17/2024			HP-15-DE-WC SPECIFICATIONS	NA	1 OF 1