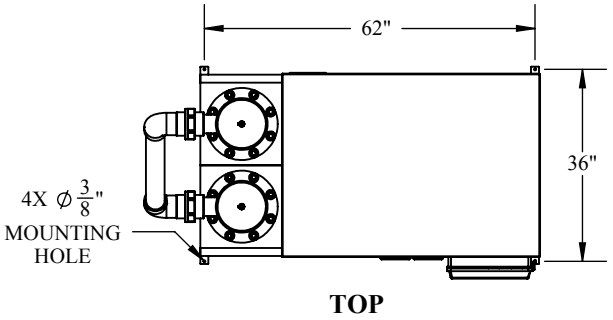
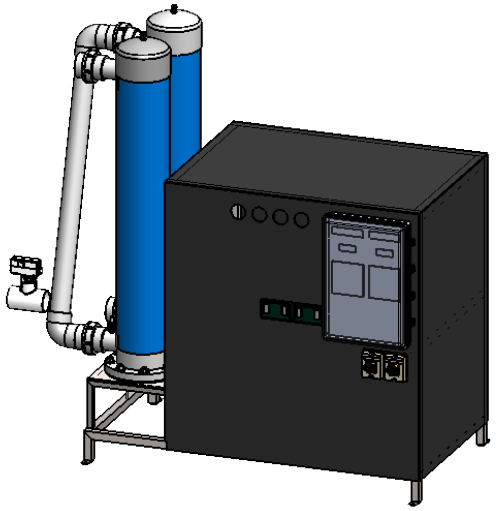
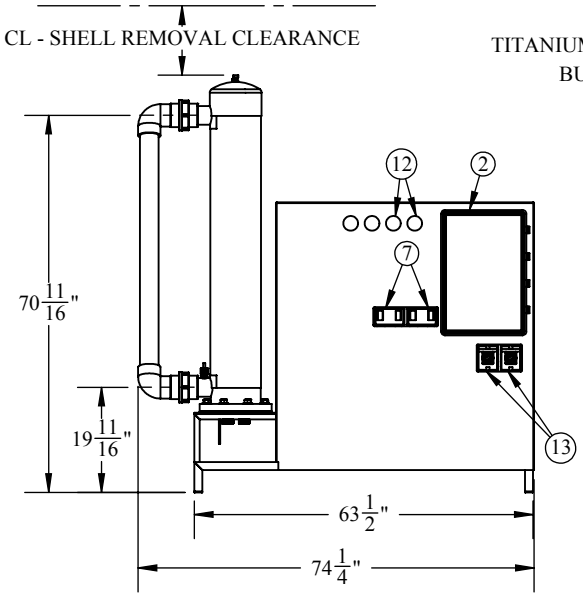
MT-25-WC SPECIFICATION SHEET



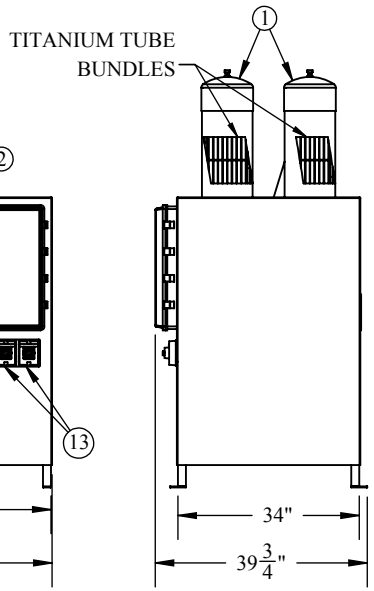
TOP

NO.	NAME
1	EVAPORATOR-TITANIUM TUBE / 8" SCH 40 PVC SHELL
2	TEMPERATURE CONTROLLER / NEMA 4X ELECTRICAL CONTROL BOX
3	JUNCTION BOX FOR MAIN POWER IN
4	WATER FLOW SWITCH (SEE NOTE FOR INSTALLATION)
5	3" NPS SLIP UNION EVAPORATOR WATER INLET
6	3" NPS SLIP UNION EVAPORATOR WATER OUTLET
7	LOW / HI REFRIGERANT PRESSURE SAFETY CUTOUT
8	CONDENSER WATER OUTLET
9	CONDENSER WATER INLET
10	CONDENSER WATER CLEAN OUT OUTLET
11	CONDENSER WATER CLEAN OUT INLET
12	REFRIGERANT PRESSURE GAUGES
13	POWER DISCONNECT SWITCH

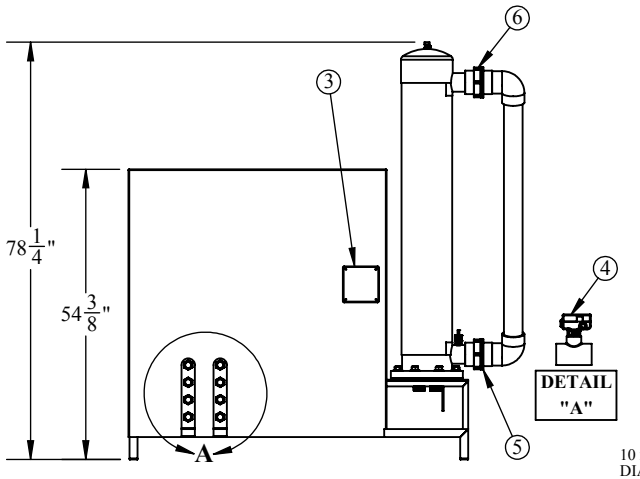




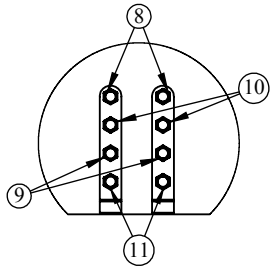
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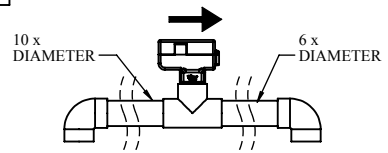
RIGHT



BACK



DETAIL A



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 @ 65°F EWT	CONDENSER WATER CONNECTIONS (FPT)	CL	SHIPPING DIMENSIONS (IN.)
MT-25-WC	25 / 300,000	460 / 3 / 60	2 / 12.5	28 / 125	58	50	120 / 180	2@ 12 / 12	2@ 3/4"	63 3/8"	80 x 45 x 83

NOTES
- WHEN THE CHILLER 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 140 GPM WHEN THE WATER TEMPERATURE IS 55 ˚F AND BELOW.
- CONDENSER FLOW RATE IS BASED ON A 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.

**** IMPORTANT!**
-DETAIL "A"
-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.

aqua LOGIC
Aquatic Design, Manufacturing & Integration
9558 Camino Ruiz, San Diego, CA 92126

BALLON LEGEND
ITEM NO.
QTY.

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DESCRIPTION	DRAWN BY	DATE	REVISION	SCALE	SHEET #
	Arnaldo Guzman	1/30/2018		1:36	1 OF 1

DRAWING # PDF-0097

SHEET TITLE: MT-25-WC SPECIFICATIONS