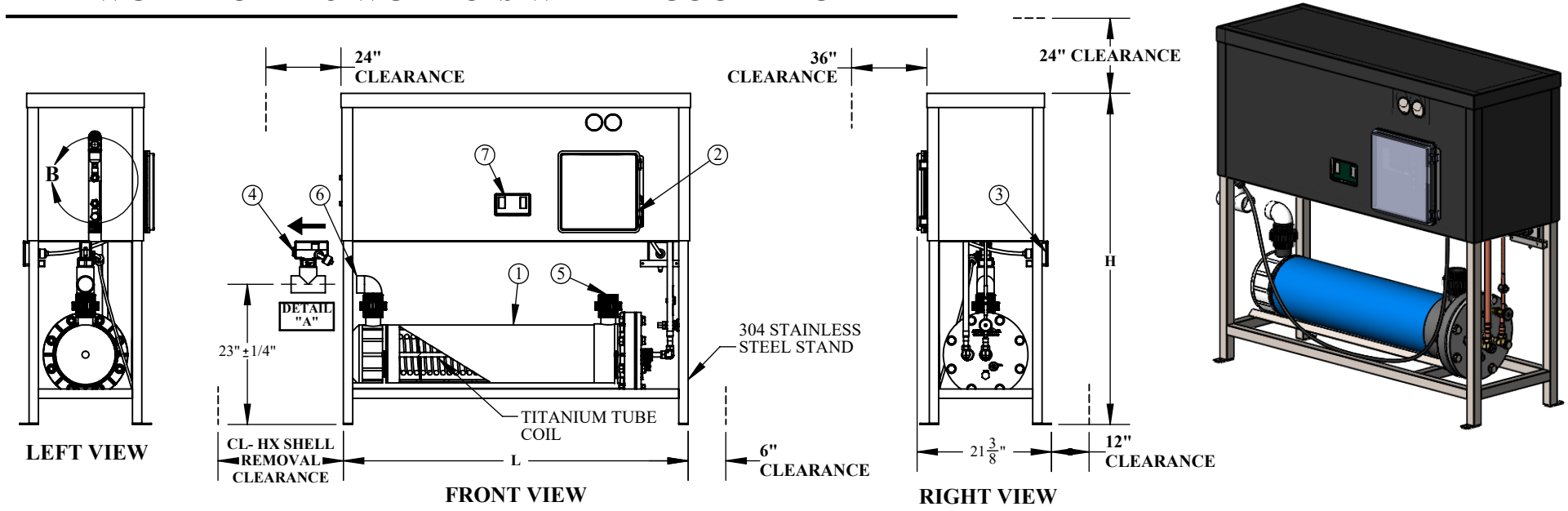
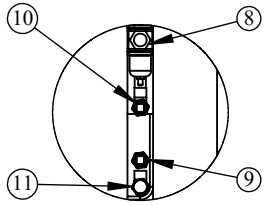
MT-1-WC THRU MT-8-WC R-454b WATER-COOLED CHILLER

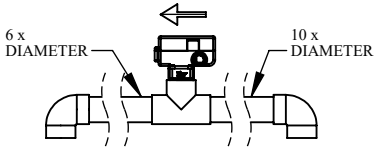


NO.	NAME
1	EVAPORATOR-TITANIUM TUBE / 8" SCH 40 PVC SHELL
2	TEMPERATURE CONTROLLER / NEMA 4X ELECTRICAL CONTROL BOX
3	JUNCTION BOX FOR SUPPLY POWER
4	WATER FLOW SWITCH (SEE NOTE FOR INSTALLATION)
5	2" NPS EVAPORATOR WATER INLET
6	2" NPS EVAPORATOR WATER OUTLET
7	LOW / HI REFRIGERANT PRESSURE SAFETY CUTOUT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



DETAIL B

NOTES:
· WATER STOPS FLOWING THROUGH THE CONDENSER WHEN THE CHILLER IS IN THE OFF CYCLE.
· WATER FLOW RATE THROUGH THE EVAPORATOR NEEDS TO BE AT THE MAXIMUM FLOW RATE WHEN WATER TEMPERATURE IS 55°F AND BELOW.



**** 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.

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

MULTI-TEMP WATER-COOLED CHILLERS

MODEL NO.	NOMINAL TONS / BTUH	VOLTS / PHASE	R-454b REFRIGERANT CHARGE LBS / OZ	AMPS RLA / LRA	EVAPORATOR WATER FLOW MIN/MAX *(GPM)	CONDENSER WATER FLOW MIN/MAX *(GPM)	CONDENSER WATER CONNECTIONS SIZE (FPT)	L	H	CL	DRY WEIGHT (LBS.)	SHIPPING WEIGHT (LBS.)	SHIPPING DIMS
MT-1-WC	2 / 24,000	208-240 / 1	3 / 5	13.8 / 127	20 / 40	2 / 4	1/2"	43"	53"	25"	320	415	49" x31" x 60"
MT-3-WC	3 / 36,000	208-240 / 1	3 / 10	16.6 / 175	20 / 40	2 / 5	1/2"	43"	53"	32"	330	430	49" x 31" x 60"
MT-4-WC	3 / 36,000	208-240 / 3	3 / 10	12.7 / 128	20 / 40	2 / 5	1/2"	43"	53"	32"	330	430	49" x 31" x 60"
MT-4-460-WC	3 / 36,000	460 / 3	3 / 10	7.5 / 63	20 / 40	2 / 5	1/2"	43"	53"	32"	330	430	49" x 31" x 60"
MT-5-WC	4 / 48,000	208-240 / 1	4 / 12	17.3 / 129	30 / 60	3 / 7	3/4"	55"	53"	39"	350	450	62" x 31" x 60"
MT-6-WC	4 / 48,000	208-240 / 3	4 / 12	13 / 156	30 / 60	3 / 7	3/4"	55"	53"	39"	350	450	62" x 31" x 60"
MT-6-460-WC	4 / 48,000	460 / 3	4 / 12	8 / 75	30 / 60	3 / 7	3/4"	55"	53"	39"	350	450	62" x 31" x 60"
MT-7-WC	5 / 60,000	208-240 / 1	7 / 5	23 / 129	30 / 60	4 / 8	3/4"	55"	53"	47"	360	460	62" x 31" x 60"
MT-8-WC	5 / 60,000	208-240 / 3	7 / 5	19.3 / 225	30 / 60	4 / 8	3/4"	55"	53"	47"	360	460	62" x 31" x 60"
MT-8-460-WC	5 / 60,000	460 / 3	7 / 5	9.8 / 114	30 / 60	4 / 8	3/4"	55"	53"	47"	360	460	62" x 31" x 60"

· ALL UNITS ARE 60 HZ.
*CONDENSER FLOW RATE IS BASED ON A MINIMUM OF 55°F AND MAXIMUM OF 75°F WATER TEMPERATURE. CONSULT WITH THE FACTORY IF THE WATER TEMPERATURE IS OUTSIDE THESE PARAMETERS.
· ALL DIMENSIONS ARE APPROXIMATE AND CAN CHANGE AT ANY TIME.

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aqua LOGIC
Chillers & Titanium Heat Exchangers
2806 Gray Fox Rd.
Monroe, NC 28110

DESCRIPTION	DRAWING #	SHEET TITLE
MT-1-WC THRU MT-8-WC WATER-COOLED WATER CHILLER	PDF-0060	MT-1-WC THRU MT-8-WC SPECIFICATIONS

DRAWN BY	DATE	REVISION	SCALE	SHEET #
Arnaldo Guzman	3/24/2022	10/3/25 CE		1 OF 1