



- NOTES:**
- MODEL Z2773 UVC EXPOSURE SYSTEM SHOWN.
  - UVC EXPOSURE SYSTEM CONSISTS OF (2) REMOVABLE UV LAMP MODULES. EACH LAMP MODULE CONTAINS (8) GML100 UVC LAMPS POSITIONED ON 4.00" VERTICAL CENTERS AND APPROXIMATELY 2.75" OFF OF CONVEYOR VERTICAL CENTERLINE.
  - ENTIRE SYSTEM IS OF POLISHED TYPE 304 STAINLESS STEEL HEAVY GAUGE CONSTRUCTION.
  - MAIN POWER REQUIREMENTS:  
 - 120 VAC SINGLE PHASE, 60 Hz, 10 AMPS  
 OR  
 - 230 VAC SINGLE PHASE, 60 Hz, 5 AMPS
  - SYSTEM IS DESIGNED TO PROVIDE AN APPROXIMATE UVC INTENSITY OF 3,000  $\mu\text{W}/\text{CM}^2$  THROUGH OUT UV TUNNEL LENGTH. AT 17 FPM CONVEYOR LINE SPEED, PARTS WILL SEE ABOUT 10 SECONDS EXPOSURE FOR A TOTAL OF 30,000  $\mu\text{W}/\text{CM}^2$  SECONDS UVC DOSEAGE.
  - UVC MONITOR MEASURES A SINGLE LAMP'S OUTPUT IN EACH LAMP MODULE AND DISPLAYS THAT OUTPUT AS A PERCENTAGE OF THE LAMP'S "AS-NEW" UVC OUTPUT.
  - ADDITIONAL OPTICAL SHIELDING MAY BE REQUIRED AROUND UVC EXPOSURE CHAMBER, DEPENDING UPON PROXIMITY OF PERSONNEL TO THE UVC STATION POSITION. PLEXI-GLASS WALLS OR SLITTED WELD CURTAIN MATERIALS CAN BE USED FOR THIS PURPOSE. PERSONNEL IN THE IMMEDIATE AREA OF THE UVC UNIT SHOULD WEAR PERSONAL PROTECTION GEAR IN THE FORM OF UV EYEWEAR OR COMPLETE FACE SHIELDS AS WELL AS PROTECTIVE CLOTHING COVERING THE ENTIRE BODY.
  - HINGED CONTROL PANELS ARE LOCATED ON BOTH SIDES OF UNIT AND CONTROL THE UV LAMP MODULE LOCATED DIRECTLY ABOVE. CONTROLS CONSIST OF ILLUMINATED LAMP ON / OFF PUSHBUTTON, UVC INTENSITY MONITOR, LAMP STATUS PILOT LIGHTS, AND AN ELAPSED TIME METER FOR RECORDING LAMP HOURS.

**SIGN FOR APPROVAL:**

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**DATE:** \_\_\_\_\_

**AMERICAN AIR & WATER, INC.**

SCALE	DRAWN BY	APPROVED BY	MJlasson
DATE 11/1/2010			
MODEL Z2773 STAINLESS STEEL UVC EXPOSURE SYSTEM			
REVISION	ISSUE	DATE	DRAWING NUMBER
	1	OF 2	AUV-2773A