



STATE OF TENNESSEE  
DEPARTMENT OF GENERAL SERVICES

**REQUEST FOR INFORMATION # 32110-13666  
STATE RESPONSE TO WRITTEN QUESTION &  
COMMENTS FOR SWC 226 WINTER ROAD  
MAINTENANCE EQUIPMENT**

DATE: June 23, 2025

1. State responses to questions and comments in the table below.

QUESTION / COMMENT		STATE RESPONSE
1	<p>Line A says "Shall have a 2" INLET and 1.5" OUTLET capable of pumping various Anti-Icing Materials at 200 GPM with a minimum PSI of 25 after 10 FEET." Please see the specs below:</p> <p>ITEM 10002200490 PUMP</p> <p>ELECTRIC MOTOR DRIVEN CENTRIFUGAL PUMP (7.5 HP) SPECIFICATIONS (ITEM Id.1000200490)</p> <p>AMT or Equal</p> <p>A) SHALL HAVE A 2" INLET AND 1.5" OUTLET CAPABLE OF PUMPING VARIOUS ANTI-ICING MATERIALS AT 200GPM WITH A MINIMUM PSI OF 25 AFTER 10 FEET.</p> <p>B) SHALL HAVE STAINLESS STEEL SHAFT IMPELLER, SEVERE SERVICE SEAL, BRASS OR STAINLESS STEEL HOUSING AND STAINLESS STEEL SHAFT.</p> <p>C) IMPELLER SHALL HAVE THE CAPABILITY OF PUMPING ANTI-ICING AGENTS WITH A MINIMUM SPECIFIC GRAVITY OF 1.5.</p> <p>D) PUMP SHALL BE TOTALLY ENCLOSED AND FAN COOLED.</p> <p>E) MOTOR AND PUMP SHALL BE MOUNTED WITH STAINLESS STEEL BOLTS (WELDED MOUNTINGS WILL NOT BE ACCEPTABLE).</p> <p>F) PUMP SHALL BE CONNECTED BY A 2" CAMLOCK COUPLER TO THE TANK AND MANIFOLD.</p> <p>G) PUMP SHALL BE A MINIMUM 7.5 HP, 220 VOLT, SINGLE OR THREE PHASE (AGENCY WILL NOTE ON PURCHASE ORDER WHICH ONE IS NEEDED).</p> <p>H) PUMP SHALL BE EQUIPPED WITH A MOTOR STARTER AND ALL ELECTRICAL COMPONENTS READY FOR IMMEDIATE ELECTRICAL HOOK UP.</p>	<p>The specification will be changed to a 2" inch outlet."</p>

	<p>QUESTION: Industry Standard specifies Maximum flow of a 1.5" hose is 125 GPM assuming "High Pressure" with Peak Flow of about 18 f/s and Maximum flow of a 2" hose is 200 GPM assuming "High Pressure" with Peak Flow of about 18 f/s, Should the OUTLET remain 1.5" or should it be INCREASED to 2" to achieve 200 GPM?</p>	
2	<p>In addition, ALL Material Spreader V-Box Items (1000120006, 1000200499, 1000200500) specify a 3" top fill port with splash proof vent and a 2" suction port, see below:</p> <p>7. Liquid Chemical Storage:  a. Two (2) side-mounted 225-gallon polyethylene reservoir tanks, one per side shall be provided to allow a total of 450 gallons of liquid capacity. b. A 3-inch top fill port with splash proof vent and a 2-inch suction port are to be provided in each tank.</p> <p>QUESTION: What Diameter is the FILL Line for the above Liquid Chemical Storage Tanks; should it be consistent with ITEM 10002200490 PUMP OUTLET diameter?</p>	2" inch line is used for filling.
3	<p>ALL Liquid Applicator Items (100120014, 1000120016) specify in the Plumbing Section Tank Valve of 2", See Specs Below:</p> <p>PLUMBING  TANK VALVE - 2" POLYPROPYLENE  3 BANK ELECTRIC VALVES - 1" OUTLET TO SPRAY BAR, 12 V DC POWER, BALL VALVE, POLY HOUSING  BY-PASS CONTROL - 2 EACH, 1 1/2" POLY BALL VALVES FOR MANUAL CONTROL  RECIRCULATION/BYPASS LINE - 1" RUBBER  RETURN TO TANK WITH POLY BULKHEAD  LINE STRAINER - 2" POLYPROPYLENE WITH 80 MESH STAINLESS STEEL SCREEN  FITTINGS - POLYPROPYLENE OR PVC SHC 80  HOSE CLAMPS - STAINLESS STEEL</p> <p>QUESTION: What Diameter is the FILL Line for the above Liquid Applicator Items; should it be consistent with ITEM 10002200490 PUMP OUTLET diameter?</p>	2" inch line is used for filling.

**Summary of Changes:**

1. Changed item A of specification, "Pump Specifications", item ID# 1000200490, from "1.5" OUTLET" to "2" OUTLET". Page 41, "Attachment B – SWC226 Specifications".