

PAT Air Tank Installation Instructions

- 1. Mount the Air Tank.** Find sturdy/durable location to mount the tank near the Control Box within reach of provided 10' (3M) hose. Mount the air tank with the mounting template and provided hardware, preferably with the gauge/fittings on the top for easier access and maintenance.
- 2. Charge the Air Tank.** Using an air compressor or shop air, charge the tank to approximately 100 psi (690 kPa) through the connection on the front of the tank (Fig. 1). Ensure the tank does not exceed 150 psi (1,035 kPa) during this process by monitoring the pressure gauge.
- 3. Connect provided hose with the Control Box.** With the hose provided with the PAT Air Tank, connect one end into the Control Box (Fig. 2).
- 4. Ready the Control Box.** First, if not already complete, use the hose provided with the cleaner or air tensioner system to connect the line from the cleaner air bag(s) to the Control Box. A t-fitting may be used to split the lines for dual air bags. Next, turn on the valve by rotating it until the handle is in line with the valve. Lastly, pull up on the regulator knob and turn counterclockwise until it stops, push the knob in to lock it (Fig. 3).
- 5. Connect Control Box to PAT Air Tank.** Keep hands clear of the blade and pinch-points before connecting all air lines. With the hose already connected to the control box, route the other end and connect to the tank (Fig. 4). Once complete, open valve from tank by turning until the handle is in line with the valve.
- 6. Check the pressure reading on the gauge in the control box.** Keep hands clear of the blade and pinch-points before pressurizing the air bags. Pull up on the regulator knob and turn clockwise until pressure increases to the appropriate setting for the belt cleaner and blade width (refer to cleaner instructions or pressure label in control box). If the pressure is too high, turn the knob one turn counterclockwise and turn the valve off for one second before turning back open. This relieves the downstream air bag pressure. Reset the pressure to the correct setting, then push the knob back down to lock it.
- 7. Check all air connections.** Using soapy-water solution, spray all connections and look for bubbles. If present, secure the connection until no leak is visible.
- 8. Test run the conveyor.** Close the control box cover and latch it. A hole is provided to accept a padlock if desired. Test run the belt and observe the cleaner performance. Confirm pressure settings are still correct. Make adjustments as necessary. Recharge the air tank if the pressure is below 80 psi (550 kPa).

