

**Specialty Manufacturing, Inc.  
  
Technical Bulletin**

**ASX-0001-00**

**AIR PRESSURE SPECIFICATIONS FOR AIR BLADDER STOP ARMS AND CROSS ARMS**

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**Purpose**:

This technical bulletin provides information regarding the air pressure specifications for Specialty Stop Arm and Cross Arm units utilizing low pressure bladders. Under pressure can cause the unit to function poorly and over pressure can cause significant damage to these units. Incorrect adjustment of the pressure leading to unit damage will **void SMI Warranty** of the unit.

**Required Tools and Hardware:**

Pressure gauge that reads pounds/square inch (psi).

**Affected Units:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| |  |  |  |  | | --- | --- | --- | --- | | **Stop Arms (15-17 psi)** | | | | | 002300 | 002400 | 002901 | 002971 | | 002301 | 002460 | 002904 | 002974 | | 002360 | 002500 | 002960 | 002980 | | 002361 | 002801 | 002961 | 002981 | | 002380 | 002900 | 002970 | 002984 | | |  |  | | --- | --- | | **Cross Arms w/bladder (15-17 psi)** | | | 028104 | 028116 | | 028112 | 028117 | | 028113 | 028118 | | 028114 | 028122 | | 028115 |  | |  |

**Procedure:**

1. Disconnect the air input from the back of the unit.
2. Connect the pressure gauge to the input line (do not check pressure before regulators or further down the line – must be at the input to the unit).
3. The nominal pressure range for all bladder driven stop arms and cross arms is **15-17 psi**.
4. MAX Pressure for bladder driven units is **20 psi**.
5. Adjust the air pressure until it measures within the nominal range for the.
6. Additional adjustment can be made to the air pressure to improve function of the unit provided that the pressure **does not exceed the maximum recommended pressure**.
7. After all adjustments have been made reconnect the input line to the unit and finish reinstallation.

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