

**Specialty Manufacturing, Inc.  
  
Technical Bulletin**

**ASX-0001-00**

**AIR PRESSURE SPECIFICATIONS**

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**Purpose**:

This technical bulletin provides information regarding the air pressure specifications for Specialty Stop Arm and Cross Arm units. 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 |  | | |  |  | | --- | --- | | **Cross Arms w/cylinder (45-55 psi)** | | | 028130 |  | | 028133 |  | | 028138 |  | | 028139 |  | |  |  | |

**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. The nominal pressure range for all cylinder driven cross arms is **45-55 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 recommended pressure**.
7. After all adjustments have been made reconnect the input line to the unit and finish reinstallation.

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Specialty Manufacturing Group, Inc.  
10200 Pineville Rd  
Pineville, NC 28134  
Toll Free 800-951-STOP (7867)  
Phone 704-889-7518  
Fax 704-889-2760

[http://www.smiglobal.net](http://www.smiglobal.net/)

For Technical Support, Email: [tech.support@smiglobal.net](mailto:tech.support@smiglobal.net)

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