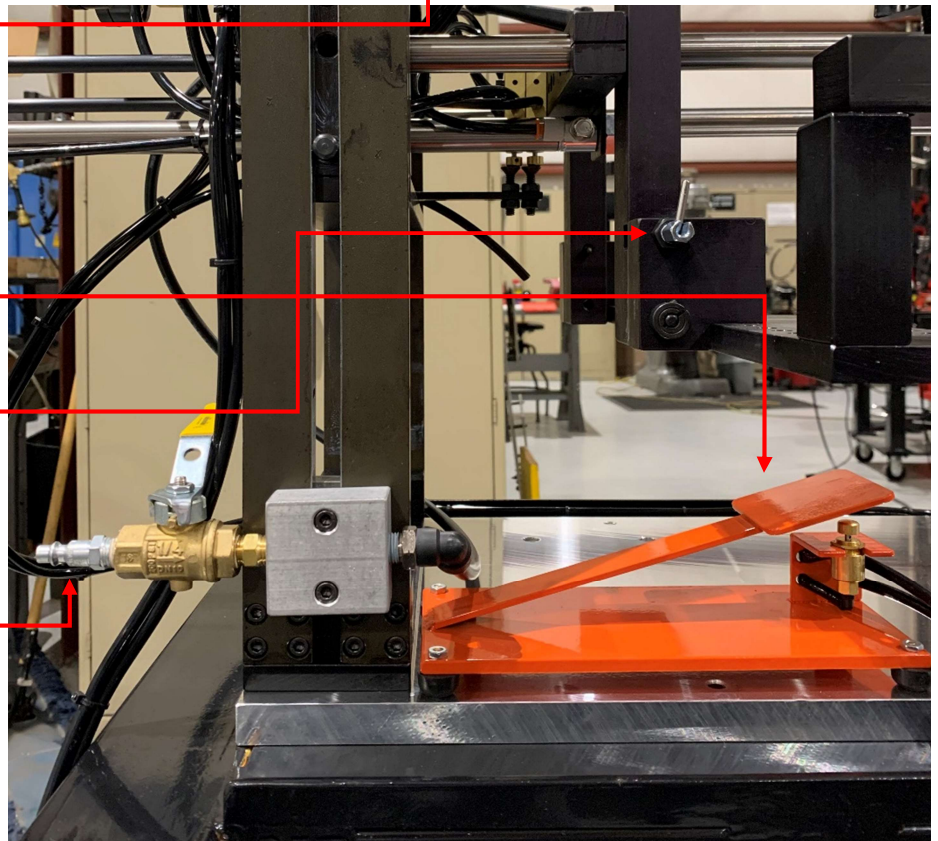
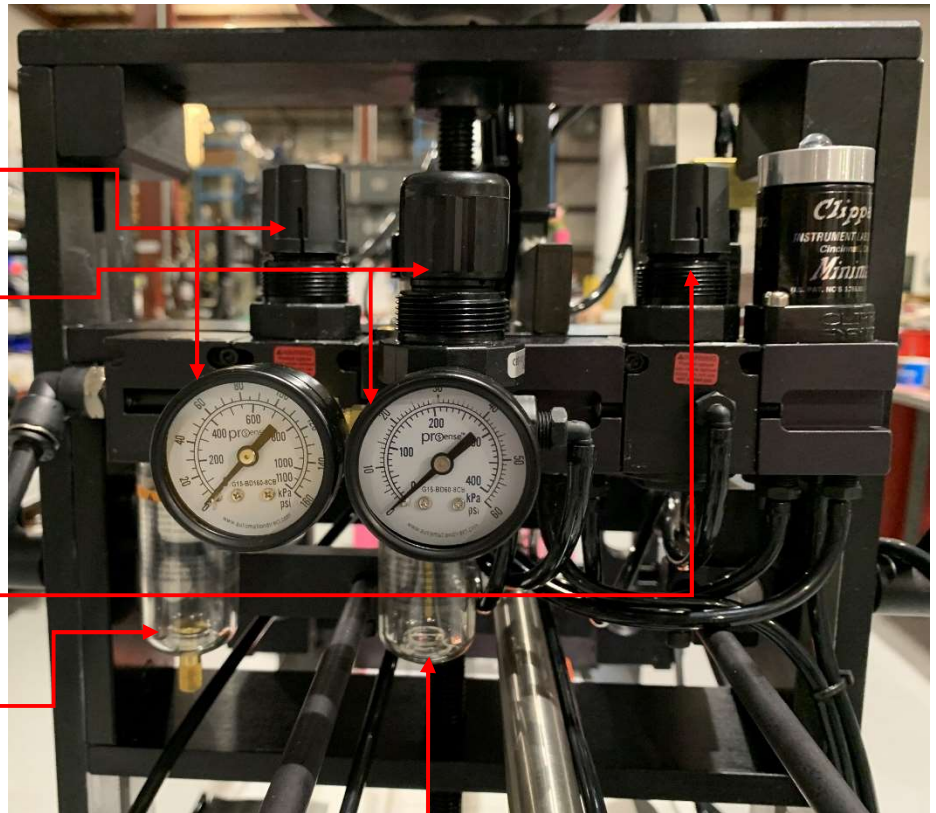


## Set Up: Start Up Instructions

1. Main Air Supply.  
\*Open valve slowly after attaching air.
- 2a. Regulator (Main Air):  
Factory set at 80 PSI.
- 2b. Main air gauge.
- 3a. Regulator (Squeegee/Print head):  
Factory Set at 30 PSI.
- 3b. Squeegee air gauge.
4. Regulator (Carriage Up-Down):  
\*Used for the overhead cylinder on printer carriage.  
Factory set. (Ref Page 2 item number 3 for carriage speed adjustment).  
Keep locked.
5. Air Filter:  
Separates water from air.  
Unscrew bottom plug to drain.
6. Air Lubricator:  
Keeps pneumatic components lubricated  
\*Be sure to use specific air tool oil. Fill plug located on top. Turn smaller cap to loosen.  
\*Failure to use proper oil will result in damage to valve, hoses, and cylinder seals.  
\*Maintain approximately  $\frac{3}{4}$  full.
7. Foot Pedal:  
Depress pedal once to perform one print cycle.
8. Locking Pin:  
Pull L-pin out to drop screen for cleaning and maintenance.  
\*Refer to page 4 item number 1 for screen adjustment instructions.



1a. Flood Bar.

1b. Flood Bar Up/Down Adjustment:

To adjust the down distance of the flood bar, turn knob located above flood bar cylinder.

\*Recommended distance between flood bar and screen is approximately .005".

\*Turn off main air source when making adjustments to the print head.

2a. Squeegee.

2b. Squeegee Up/Down Adjustment:

To adjust the down distance of the squeegee, turn knob located above the squeegee cylinder.

The red, yellow, and black lines are reference marks.

3. Carriage Lift Speed Flow Control:

Turn clockwise to decrease speed of the carriage lift.

Turn counterclockwise to increase speed.

4. Flood Speed Flow Control:

This flow control sets the speed of the flood stroke.

\*Refer to item number 3 for adjustment instructions.

5. Print Speed Flow Control:

This flow control sets the desired speed of the print stroke.

\*Refer to item number 3 for adjustment instructions.

6. Shock Plate:

Sets to desired stroke length.

\*Shock absorber stiffness can be adjusted via flathead screwdriver.

\*Printhead should not crash into the plate at the end of the stroke.

7. Shock Absorber:

Adjust via shock plate so that absorber compresses at the same time as the Part #R0803001.

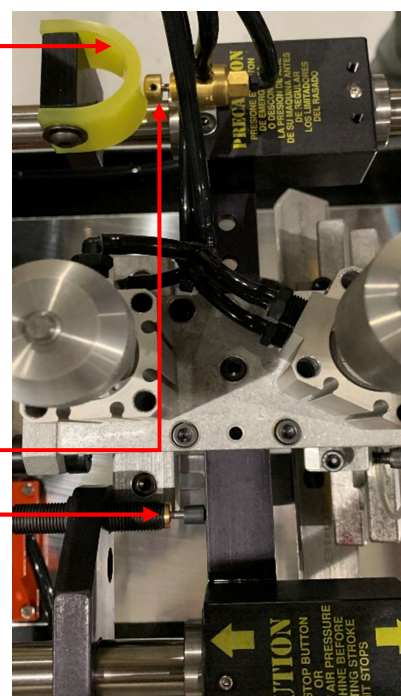
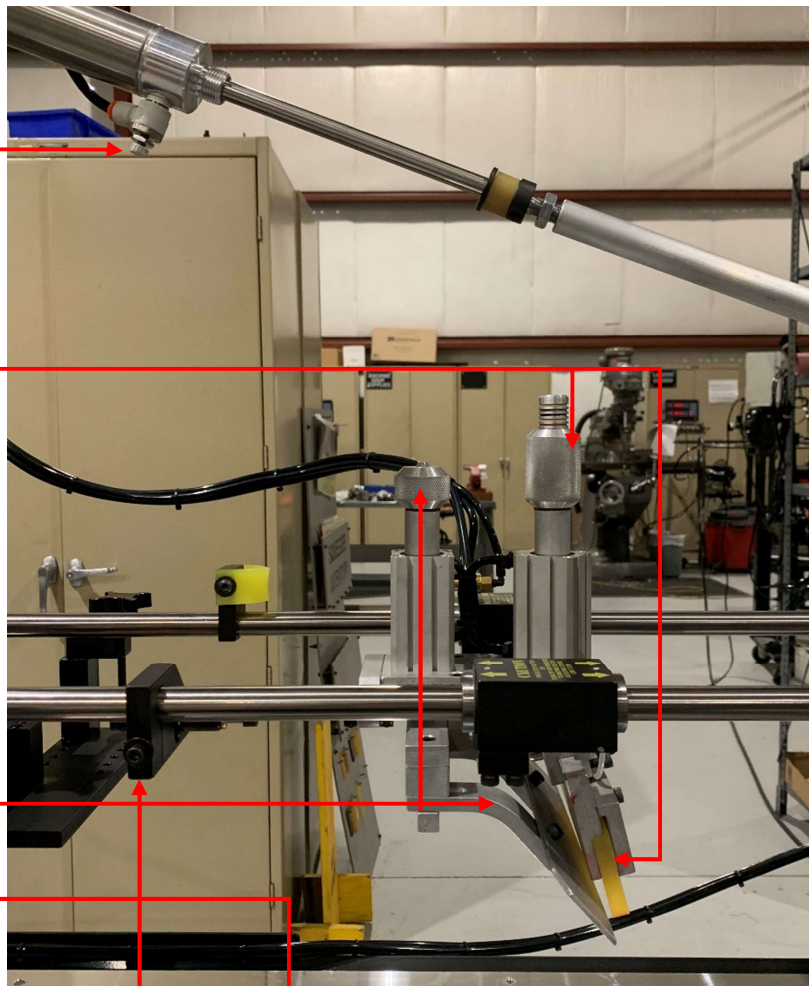
8. Part #R0803001:

Button should compress at the same time as the shock absorber.

\*See item number 6.

9. Squeegee Stop:

Adjustable in conjunction with back shock absorber to fit desired stroke length.





adjustments.

**2. Adjustable Locks:**

Loosen to make adjustments to carriage height using the press frame hand wheel in conjunction with front post rest.

**3. Press Frame Hand Wheel:**

Turn clockwise to raise and counterclockwise to lower the front carriage assembly.

**4. Front post rest:**

Maintain parallelism to printing surface when carriage is in the down position.  
Adjustable via front post rest hand wheel.  
\*Refer to page \_item \_\_ for rear screen frame holder instructions.

**5. Carriage Up/Down Toggle Switch:**

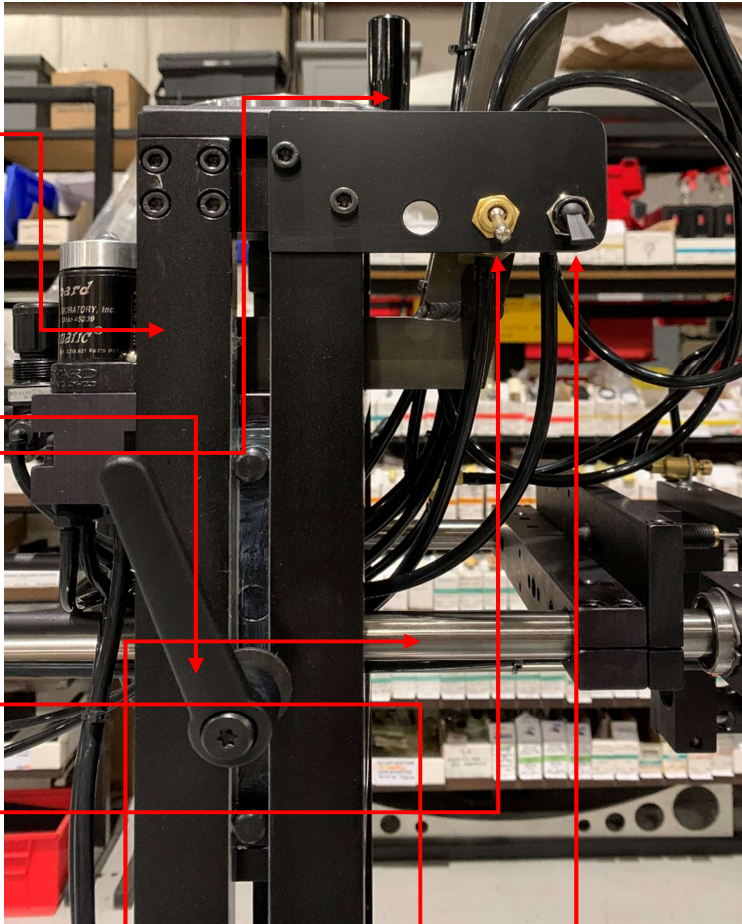
Lifts the carriage up and down.  
See page 2 item 3 for speed adjustment.

**6. Flood Hold Switch:**

Performs one flood stroke without

**7. Thompson shafts:**

Thompson shafts should be kept free of ink and debris for smooth and consistent operation.

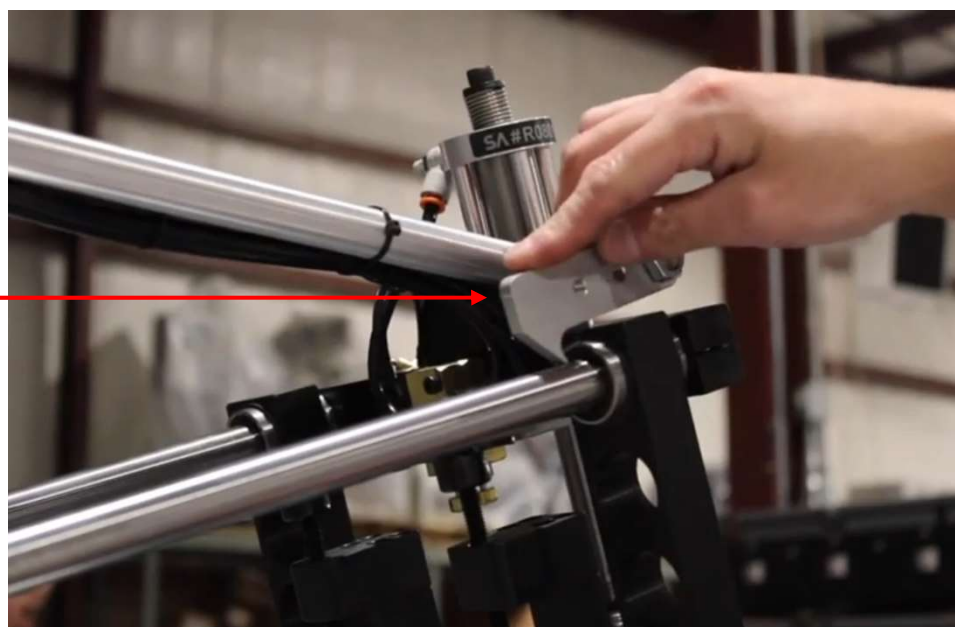
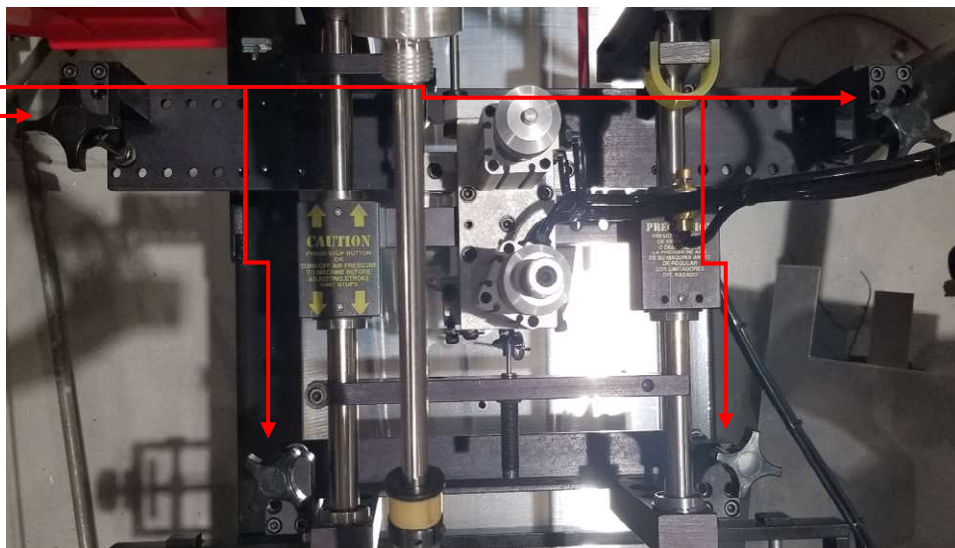


**1. Screen Frame Clamps:**

Loosen and tighten the 4 screen frame clamps to secure screen.

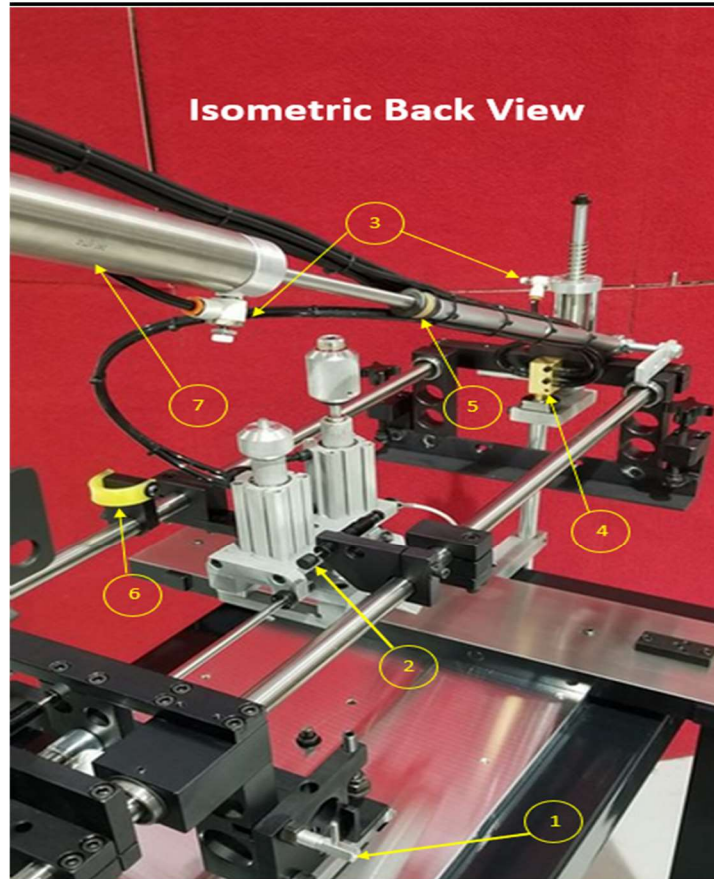
**2. Front screen frame holder:**

Loosen front knobs and slide back to the front screen holder grip finger when cleaning or replacing screen.





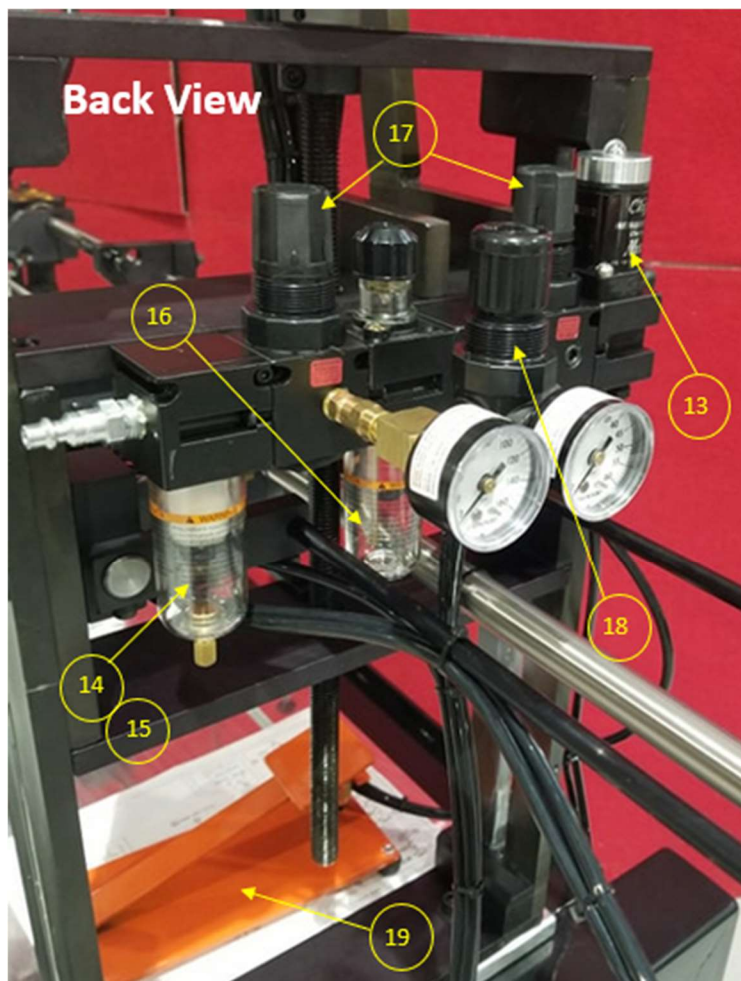
# REPLACEMENT PARTS



1.) L-Handle 2.) Nylon Shock Absorber 3.) Flow Control Fitting 4.) 4 – Way Valve 10-32 Ports 5.) Overhead Cylinder Spacer 6.) Squeegee Yellow Polyurethane Straight Edge 7.) Air Cylinder Carriage Lift



8.) Quick Release Back Lock Pin 9.) 3-Way 10–32 Ports 10.) Fitting 1/8-27 NPT Thread 11.) Fitting L-Shaped 10-32 Thread 12.) Squeegee Flood Air Cylinder



**13.) Air Piloted Relay 4 Way 14.) Filter 1/4" 15.) Filter Element 16.) Lubricator 1/4" 17.) Regulator 1/4" 18.) Norg Regulator 19.) Foot Pedal**



Air Cylinder – Squeegee Flood : [R0801600](#)



L-Handle : [R0401213](#)



Quick Release Back Lock Pin : [R041216](#)



Shock Absorber with Nylon Tip : [R0409004](#)



Air Cylinder–Carriage Lift 12" Stroke for F1-12 : [R0801500](#)



Shut-Off Air Ball Valve : [R0802107](#)



Filter 1/4" : [R0802115](#)



Lubricator 1/4" : [R0802001](#)



Filter Element : [R0802100](#)



Norgren Regulator : [R0802114](#)



Regulator 1/4" : [R0802108](#)





Four-Way Valve 10-32 Ports : [R0803003](#)



Three-Way Two Position Valve : [R0803039](#)



Fitting 1/8" Speed Control : [R0803054](#)



Lubricator Sight Dome Repair Kit : [R0802109](#)



Watts Filter Bowl Kit : [R0803003](#)



Three-Way Valve 10-32 Ports : [R0803002](#)



Push Button 1/8" Diameter : [R0804001](#)



Fitting 1/8" Inner Diameter : [R0805000](#)



Fitting L-Shaped 10-32 Thread : [R0805001](#)



Fitting 1/8 - 27 NPT Thread : [R0805020](#)



Watts Lubrication Bowl Kit : [R0807013](#)



Foot Pedal : [S0122002](#)



Overhead Cylinder Spacer : [S0103M44](#)

## **Model 810 Series**



Clippard Two-Way Valve : [R0803001](#)





Air Piloted Relay Four-Way : [R0803004](#)



In-Line Needle Valve : [R0803009](#)



Shuttle Valve : [R0803010](#)



Flow Control Valve : [R0803006](#)



Panel Mounted Needle Valve : [R0803007](#)



Panel Mounted Three-Way Toggle Valve : [R0803005](#)



Hex Dress Plate (Ordered with Flow Control Valve) : [R0803008](#)



Miniature Pilot Actuator : [R0803011](#)



Three-Way Control Valve : [R0803012](#)



In-Line Speed Control Valve : [R0803014](#)



Solenoid Operated Air Valve (for Dual Head) : [R0803025](#)



Clippard Flow Control : [R0803032](#)



Slow Start Sequence SMC Valve : [R0803042](#)



Yellow Flush Button : [R0807005](#)



Red Stop Button : [R0807006](#)



White Selector Switch : [R0807007](#)





Valve Adapter for Control Panel : [R0807008](#)



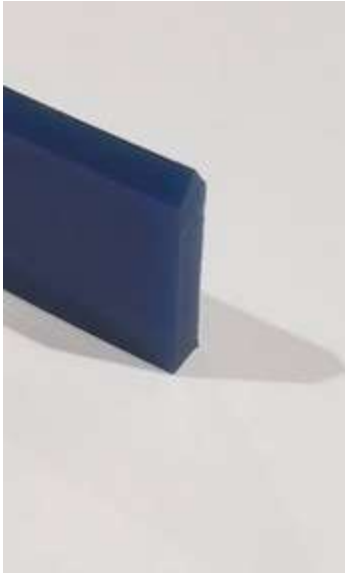
Squeegee 3/16 X 1 SE Natural 90D PLEI- Tech 44 Straight Edge (10 BD) :

[R0301030](#)



Squeegee 3/16 X 1 DB 70D Polyurethane Double Bevel | 3/8 x 2

Available : [R0301011](#)



Squeegee 3/16X1 80D Blue Polyurethane Double Bevel: [R0301021](#)



Squeegee 3/8 X 2 SE 60D Polyurethane Straight Edge : [R0301002](#)



Squeegee 3/16 X Blue PLEI-Tech 44 Straight Edge (10 BD) : [R0301020](#)



Squeegee 3/16 X 1 DB 70D Polyurethane Straight Edge | 3/8 x 2

Available : [R0301011](#)



