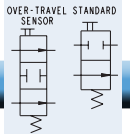


# Accessory Valves



# NEW

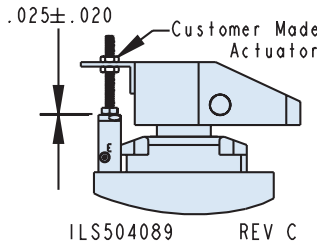
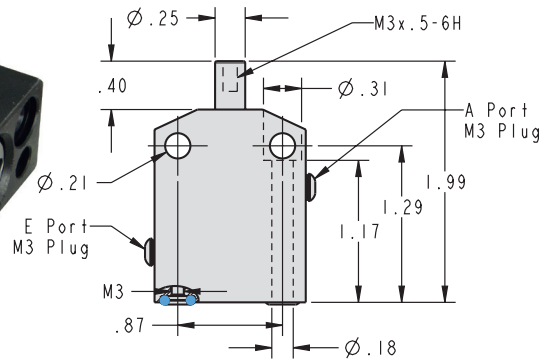
## Confirm Clamp Stroke Position Pneumatically

The pneumatic confirmation valve confirms the stage of loading before or after clamping. It is adaptable to multiple devices including: swing clamps, link clamps, cylinders and supports.

Avoid machine crashes by confirming specific actions before you cycle your machine. It is designed to be used in both coolant and dry environments, and is easily mounted either vertically or horizontally. Confirmation at its finest!

- Easily fine tune your fixture choosing between set and differential pressure.
- Confirm signal is based on restricting air flow when testing function is present.
- Over-travel sensing will reopen if a device depresses plunger beyond the valve limit.
- Use Pneumatic Confirmation Valve with almost any clamping device.
- Assists in detecting missing or incorrectly loaded parts.
- Remote venting recommended in coolant applications.
- Feedback to machine automations and robotics through the pressure switch.
- 1/8 tube - M3 Connector Part No. P3-0370-20, Order separately.

## Pneumatic Confirmation Valve, Block



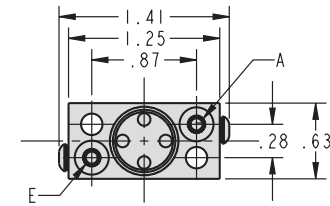
ILS504089 REV C

### Application Setup:

Adjust actuator  $0.025 \pm 0.020$  above valve body with clamp positioned at the bottom of clamping stroke.

**This will avoid valve and actuator damage if clamp over travels.**

For proper sealing, mating surface must be flat within 0.003 in. with a maximum  $63 \mu$  in.  $R_a$  surface finish.

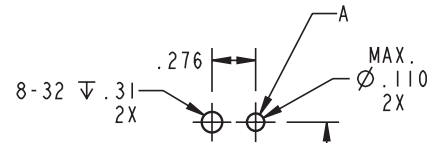


NOTE: Mounting hardware not included.

E= Input

A= Output (vent to atmosphere)

ILS504085 REV E



E= Input

A= Output (vent to atmosphere)

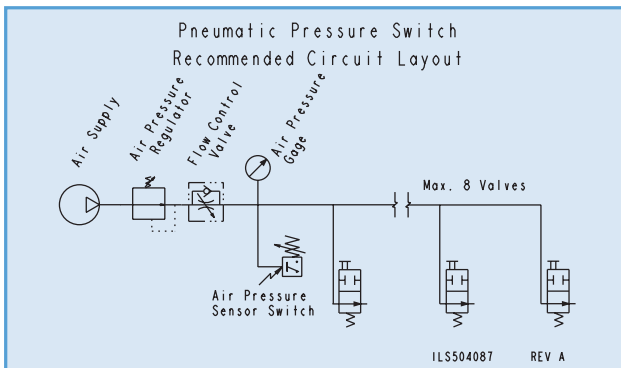
.866

ILS504086 REV C

## Pneumatic Confirmation Valve

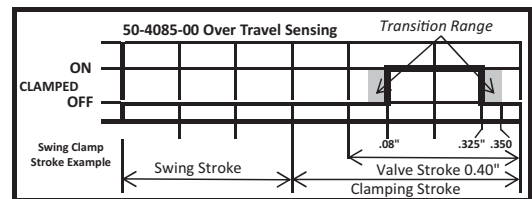
Model No.	Description	Max Air Pressure (psi)	Operating Pressure Range (psi)	Air Flow Rate (SCFM)	Differential Pressure*		Plunger Stroke (in)	Spring Force (lbf.)	Nominal Diameter (in.)	Port Types
					20 psi System Pressure	70 psi System Pressure				
50-40X5-00	Over-Travel Sensing	145	10-70	0.354 - 0.706	Min. 12	Min. 45	0.40 Max	1.5 - 3	0.079	Manifold and M3
50-40X5-01	Standard	145	10-70	0.354 - 0.706	Min. 12	Min 45	0.40 Max	1.5 - 3	0.079	Manifold and M3

\* Pressure drop when one or more valves open. All valves must be closed for pressure confirmation. Plumb multiple valves in parallel.

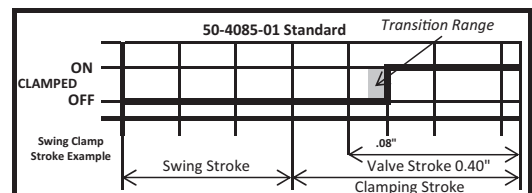


More detail on recommended layout can be found on page B-8.

### 50-4085-00 Over Travel Sensing Logic

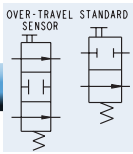


### 50-4085-01 Standard Logic



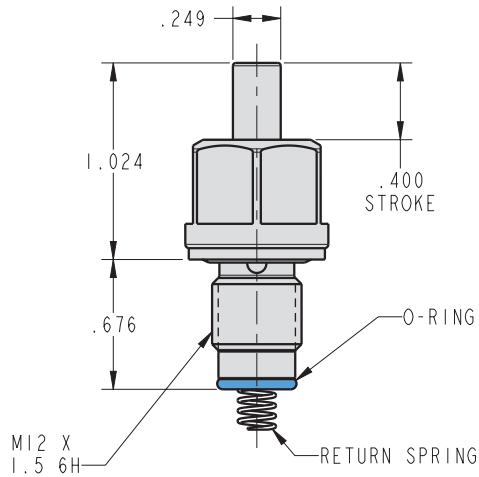
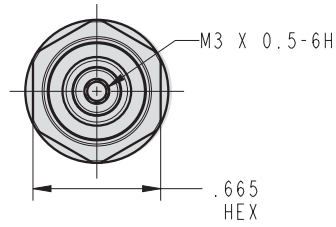
ILS504088 REV B

M-19



# Accessory Valves

## Pneumatic Confirmation Valve, Cartridge



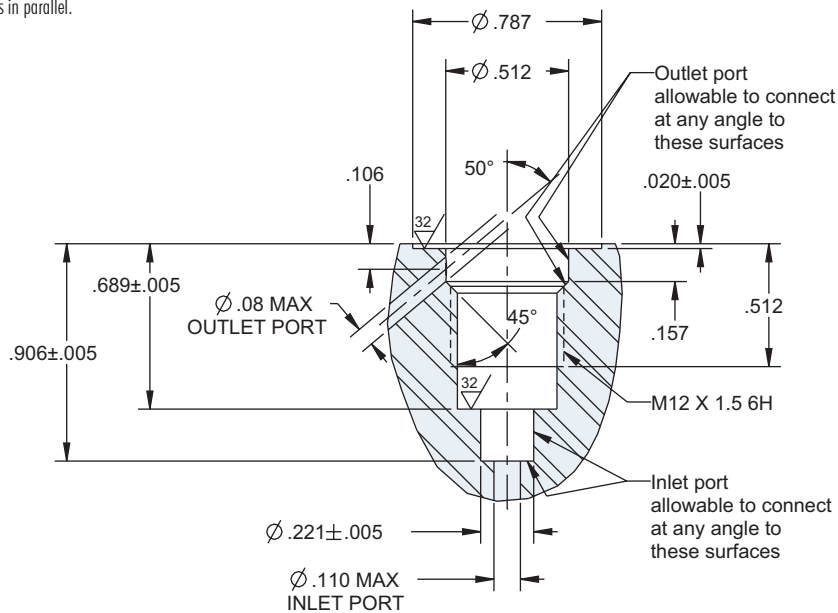
ILS504096 REV A

### Pneumatic Confirmation Valve Cartridge

Model No.	Description	Max Air Pressure (psi)	Operating Pressure Range (psi)	Air Flow Rate (SCFM)	Differential Pressure*		Plunger Stroke (in)	Spring Force (lbf)	Nominal Diameter (in)	Port Types
					20 psi @ System Pressure	70 psi @ System Pressure				
50-4095-00	Over-Travel Sensing	145	10-70	0.354 - 0.706	Min. 12	Min. 45	0.40 Max	1.5 - 3	0.079	Manifold and M3
50-4095-01	Standard	145	10-70	0.354 - 0.706	Min. 12	Min 45	0.40 Max	1.5 - 3	0.079	Manifold and M3

\* Pressure drop when one or more valves open. All valves must be closed for pressure confirmation. Plumb multiple valves in parallel.

M-20



ILS504097 REV B

