Title:
Don’t use a needle valve to control your air cylinder speed!

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688

Summary:
Many industrial machines using compressed air as an energy source, use air cylinders or other

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Article Body:
Many industrial machines using compressed air as an energy source, use air cylinders or other

Compressed air is ’explosive’ as it moves from high pressure to low pressure on it’s way back

One easy method of controlling the speed of an air cylinder is installing flow controls in the

In the ’valve exhaust’ type flow control the controls themselves may be far enough away from t

Some folks opt for needle valves to throttle the flow of air into and out of the air cylinder,

If you are using a larger cylinder, by throttling the air into the cylinder, you are actually

The rule of thumb for using a flow control to reduce and smooth air cylinder piston travel is

How is this accomplished?

Use a "cylinder flow control". This is a device that may not look any different from the needl

The "free flow" of compressed air through the cylinder flow control allows the unit, when it’s

There will be a second cylinder flow control on the other line too, and this works exactly the

As a result, air flow into the cylinder ports at either end of the cylinder is totally unencum

Most cylinder flow controls will have a schematic on the side showing the flow paths to ensure

Some cylinder flow controls are equipped with sealant coated male threads for screwing into th