

Title:

Why does water run out my compressed air line every time I turn the air on?

Word Count:

499

Summary:

Water. This drives every compressed air user nuts!!! Every time they use an air tool, blow-off

Keywords:

water, air line, water in air, cylinder, air cylinder, cylinder speed, speed control, air comp

Article Body:

Water. This drives every compressed air user nuts!!! Every time they use an air tool, blow-off

The water is a problem if the compressed air is moving through a tool that can rust or be nega

Why?

Well, we know that relative humidity is the measure of water moisture in the air expressed as

That, unfortunately, seems to happen mostly on weekends! :-)

Now, let's take some of that atmosphere with it's 90% relative humidity and compress it. What

Free air, the atmosphere we breathe, has a normal PSI of 14.7 (or 15 PSI to make it easier mat

If the relative in the atmosphere humidity is 90%, and we are cramming three cubic feet of atm

Then, every time compressed air is drawn from the compressor tank to your application, free wa

To make matters worse, compressing air generates heat. Air that would normally be saturated an

What happens to air as it flows? It cools! What happens to the water vapour in the air as the

More water!

The water generated by your air compressor, along with the water vapour carried along in the c

And that's why you have water with the compressed air, streaming out of your air line every ti

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