

Title:

Is it the valve or is it the cylinder; whichever, it's costing you a lot of money?

Word Count:

698

Summary:

Reducing air leaks in your plant can save thousands of dollars annually. Compressed air is one

Keywords:

Compressed air, air compressors, air circuits, troubleshoot air leaks, air cylinders, air valve

Article Body:

Reducing air leaks in your plant can save thousands of dollars annually. Compressed air is one

When it's "quiet time" in the plant, wander around the machinery and listen. You will often hear

The sound of compressed air "chewing up your dollars" as it wafts to atmosphere can be muted if

Also, there are commercially available ultra-sonic compressed air leak detectors on the market

Usually you'll have one air valve connected to one air cylinder. Usually that cylinder will be

While an air valve and cylinder are doing work of course there will be air being exhausted con

It's when the machine is down, when it's doing no useful - and hopefully money generating work

Inside, the two ends of the cylinder are separated by a piston. The piston is what drives the

Around that piston will be an air seal that "crunches" between the side of the piston and the

In time that seal will wear, and air will start bypassing into the other side. This means that

Or....inside your air valve there is, too, a series of seals that normally prevent air from ge

So, which is it that's leaking; the seal around the piston in the cylinder, or the seal insid

Have a look at the cylinder. If the rod is out, air will be entering the air port at the rear

Take the air line that is charged, that is, the air line that is supplying air to the cylinder

Listen at the valve. If the air has stopped escaping the valve's exhaust port, then it's the s

If, after ensuring that the air to the cylinder is completely stopped, air continues to exhaus

Regardless of which is the culprit, the air valve or the cylinder, get it fixed....fast! Compr

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