METAL WORK® PNEUMATIC *Update*

Survey

Help us to Help You

As our market in Australia grows we are looking at our internal procedures to ensure that you get the best product at the best price in the timescale you require.

We would welcome feedback on what you see as the most important decisions when deciding on a pneumatic supplier.
All entries received will be entered into a draw for 2 Gold Class cinema tickets which will take place on August 31st 2007.

Please choose the 5 most important considerations when choosing a pneumatic supplier. Use numbers 1 to 5 with number 1 being the most important consideration.

- ☐ Innovative Products
- ☐ Product availability
- ☐ Delivery Service
- ☐ Price
- ☐ Technical Support
- ☐ Free Circuit Design Service
- ☐ Product Range
- ☐ Control System Design Service
- ☐ Free Consultancy
- ☐ Product Quality

Is there any other feedback you would like to give on your needs from a supplier or on our existing service level.

Please print this page & fax to your local office.

Name : _____

Company : _____

Phone Number : _____

Email : _____

The winner will be notified by phone on 31st August 2007

Tales from the Workbench

We often get called to solve pneumatic problems that prove to be quite straightforward although sometimes they are a little more unusual….
Recently a customer brought in an actuator that was causing problems on his machine. It was a double acting cylinder that was being used as single acting with gravity returning the arm it was attached to (the front port had a silencer fitted to stop dirt ingress). Two cylinders lifted the arm but when they were extended one was reaching the end of it's stroke and then slowly oscillating 10 to 20mm in & out.
After confirming how the cylinder was actuated and that both cylinders were connected to the same valve it was apparent that the problem was with this particular cylinder.
On the testbench the cylinder was extended under pressure and there was no air leaking from the front port so it didn't seem be the seals but we stripped it down anyway. The problem still wasn't obvious so it went back together again and was pressurised but this time the front cushioning screw was undone. Low & behold there was an air leak !
We tracked down the leak to the seals inside the piston that seal it against the rod. Someone had screwed the cushioning screw shut to stop the leak but when the cylinder extended it couldn't reach full stroke because the air couldn't escape from the cushion. As the air pressure on the machine fluctuated (due to varying demand) the air pressure trapped in the cushion pushed the cylinder down a few millimetres then as the machine pressure rose again the cylinder moved up a few millimetres.

An unusual problem but solved by replacing 2 small O-rings.

Contact us

We welcome feedback on any of the articles in the newsletter. If there is anything you would like to see in future issues then please let us know.

For further information on any of the products in the newsletter or Metal Work products in general then please do not hesitate to contact us.

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