



Summary



POSITIVE
POLLUTION
REDUCTION

Industry:	Aerospace
Application:	Vacuum Pump Upgrade
Actual Saving:	£1,200
Payback Period:	



Side Channel Blower Provides Twice the Airflow

Side Channel blowers are environmentally safe through oil free compression, low energy consumption and low noise level emissions.

ISSUE

A customer operated a side channel blower on a process that had under performed for years. Following a meeting with the maintenance team this pump was identified as an area requiring improvement. The vacuum pump was undersized for the application coupled with a number of significant vacuum hose issues. Or as the ERIKS pumps engineer pointed out "it leaked" Any form of leak on a vacuum system will seriously diminish the vacuum pumps capability to pull vacuum as its constantly struggling against the atmosphere outside being sucked in.

SOLUTION

ERIKS offered a 2 stage blower, the new unit offered twice the airflow of the original at atmospheric pressure and extended the differential pressure from 210 mbarg to 320 mbarg.

In addition ERIKS strongly recommended to the customer they address the leaks. If the system has lots of leaks the differential pressure will always try to raise back to atmospheric hence the working vacuum range will not be more than 100 - 150 mbarg.

OTHER BENEFITS

- Side Channel blowers are environmentally safe through oil free compression, low energy consumption and low noise level emissions.

FURTHER COMMENTS...

ERIKS Pump Technology can be relied upon to be a true full-line supplier for any and all pumping tasks.

MORE INFORMATION

ERIKS Industrial Services

Amber Way, Halesowen,
West Midlands B62 8WG

Tel: 0845 006 6000

Web: www.eriks.co.uk

know-how makes the difference

ERIKS