

Compressor efficiency

ROI Success Story

Fixing leaks, changing usage, installing solenoids and basic maintenance reduced energy costs by \$56,600/year





Facility type	Manufacturing
Equipment type	Compressed air system
Measurements taken	 Ultrasound inspection of compressed air system. Recommended complete data logging of compressor Power logged energy consumption at supply panel before and after Differential pressure measurements at source and termination to determine pressure drop
Problems noted	 Substantial pressure drop due to air leaks throughout system causing compressor to over-produce, in compensation No shut-offs at end-user pneumatic air tools Compressor run non-stop regardless of operational schedule Had never calculated the amount of compressed air produced in comparison to the actual demand
Savings	 Multiple savings opportunities found, total annual savings of \$56,600. Shutting down compressor on weekends: annual savings of \$32,700 Install solenoids, to shut air off when production is inactive: annual savings of \$7,100 Repair 36 leaks: annual savings of \$4,800 Filters installed in the system at a one-time cost of \$6,000; annual savings \$6,000
Recommended tool	Amprobe ULD-300 Ultrasonic Leak Detector ; Fluke 289 Digital Multimeter with PV-350 Pressure Module