

Best Practices for Compressed Air Systems

A 'how to' volume, comprised of more than 300 pages of original text and reference appendices, photos and performance data, for use to help compressed air end users and service providers to improve operating efficiencies and reliability of installed compressed air systems.

Compressed air is a very useful and valuable utility, which must be managed to optimize overall system performance. This Best Practices Manual was developed to provide you with the tools to reduce the operating costs associated with the use of compressed air and improve the reliability of the entire system. This manual addresses the improvement opportunities from the air entering the compressor inlet filter to the end uses including hoses, quick couplers air tools, cylinders or other devices.

The Compressed Air Challenge® has created the Best Practices Manual to provide the "how to" information to implement recommendations which will achieve peak performance and reliability of the system at the lowest operating cost. The use of the recommendations will:

- Reduce energy and repair costs
- Improve system reliability
- Increase productivity
- Reduce unscheduled downtime

The manual begins with the considerations for analyzing existing systems or designing new ones, and continues through the compressor supply to the auxiliary equipment and distribution system to the end uses. The reader can determine how to use measurements to audit his own system, calculate the cost of compressed air and even how to interpret utility electric bills. Best practice recommendations for selection, installation, maintenance and operation of all the equipment and components within the compressed air system are in bold font and are easily selected from each section.