

Compressed Air Assessments / Air Audits



Overview

Compressed Air Audit detects inefficiencies in compressed air systems & assists with practical air management processes, complete system performance optimization and leak reduction.

Compressed Air Audit helps to identify opportunities for reducing energy consumption & overall business costs of their compressed air installations. It also helps customers to reduce power consumption, compressed air system load and wear and tear. This prolongs the life of the entire compressed air system.

Compressed Air is widely used throughout the industry and it is one of the most expensive utilities. It can be called the fourth utility after electricity, gas and water in operating cost. Around 30-40% of compressor energy input loss is due to invisible air leakages.

Compressor Air Audit is undertaken to identify areas of inefficiencies within a system.

Compressed Air Audit is a flexible, diagnostic package for compressed air systems that allows customers to select any level of air audit required for their particular system.

Types of Compressed Air Audits:

- Air measurement:
History has shown that leaks typically account for

20 % of the system demand. The air audit comprises of a third party assessment of your compressed air system, focusing on leak detection & control. The assessment results can be used by organizations for identifying energy costs & potential savings.

- Air quality audit:
Dirty air not only means frequent & costly filter cartridge changes, but it also threatens production quality & can lead to work interruptions or stoppages. The audit process covers assessing the quality of the air for presence of any water or oil in the compressed air.
- Maintenance review:
The assessments covers current service schedules, monitoring programs & control mechanisms for effectiveness in the equipment, including compressors, filters, dryers and ancillaries.

Benefits of compressed air audit:

- Reduce artificial air demand
- Operate compressors at high efficiency
- Reduce the losses in filters, dryers
- Know the actual air delivered by the compressor against design value
- Find out the volume of air leakage in the plant
- Identification of air leakage spots in the plant
- Compressed air cost is recovered through reduced system costs over a short period of time.



Why choose TUV India

TUV India is well established and reliable partner for Inspection, Certification, Validation and Verification of Climate Change services. In addition to the above, our credentials include –

- Wide pool of highly qualified and experienced assessors across India
- Comprehensive and diverse range of value - added services
- Key account management
- One-stop solution for your sustainability requirements

About Us:

TUV India Pvt. Ltd. (TÜV NORD GROUP) is a customer-focused, innovative, and independent, technical, quality & safety services organization, dedicated to providing future-proof solutions through technological excellence for the success of its customers with the highest level of integrity. With a presence at over 40 strategic locations in India; a branch office in Sri Lanka and Bangladesh; state-of-the-art laboratories at Pune, Bengaluru, Noida and Jamnagar; 100 important countries worldwide and through digital means, we are always connected to you, our esteemed customer, anywhere, anytime.

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