



# Compressed and Low Pressure Air Systems

**AIR FILTRATION TESTING SERVICES**

**SGS**

## Accurate, rapid turnaround testing for compressed air and industrial vacuum systems.

Compressed air and industrial vacuum system exhaust air can be contaminated with millions of dirt particles and substantial amounts of water and oil aerosols, causing problems with components and affecting the air quality. Our testing services deliver confidence in the contamination removal, operational efficiency and safety of filtration products for the longer term.

With fast turnaround times, expedited if needed, our comprehensive range of testing services ensure your products meet regulatory requirements and standards.

### KEY SERVICES

- Removal efficiency of oil aerosol, particulates and humidity
- Quantification of impurities in exhaust air
- Flow rate, pressure resistance and power efficiency
- Particle removal by size (0.01 micron and larger)

### PRODUCTS TESTED

Compressed air in-line filter elements and housings, including:

- ISO 12500-1 and ISO 12500-3 for removal efficiency of oil aerosol and particulates
- Burst pressure
- Pressure decay
- PWIS (Paint Wetting Inhibitor Substances) testing for compressed air filters that are used in painting/coating systems
- Custom testing for silencers and other ancillary equipment

Compressor internal filtration testing can be customized for each system requirement, e.g. the efficiency of internal air/oil separation filters for oil lubricated compressors.

Industrial vacuum pump (low pressure air) systems testing includes:

- Quantification of oil aerosol content of vacuum pump exhaust air
- Pressure loss and power draw testing for vacuum pump efficiency
- Testing in-line or for contained space (room) oil aerosol

### ACCREDITATIONS





Assuring the quality of our laboratory services, we have been awarded the following accreditations to ISO/IEC 17025:

- **A2LA** – Grass Lake, MI, USA laboratory
- **UKAS** – Milton Keynes, UK laboratory

### WHY CHOOSE SGS IBR?

A world leader in state-of-the-art filter testing and particle counting, SGS IBR Laboratories has more than 35 years of industry experience. We provide independent, confidential services that meet industry standards and/or a program customized to your needs. Based in the USA, UK and China, we are technically driven and fast reacting, with our experts supporting you with high accuracy testing and leading solutions.

### SGS BENEFITS

-  Global network
-  State-of-the-art laboratories
-  Technical competence
-  Customized service

### CONTACT US

#### NORTH AMERICA

SGS IBR Laboratories  
11599 Morrissey Rd.  
Grass Lake, MI 49240, USA  
Call: +1 517 522 8453  
E-mail:  
[cp.grasslake.inquiry@sgs.com](mailto:cp.grasslake.inquiry@sgs.com)

#### EUROPE

SGS IBR Laboratories Ltd.  
1 Canons Road  
Old Wolverton  
Milton Keynes, MK12 5TL, UK  
Call: +44 (0) 1908 528 800  
E-mail:  
[cp.miltonkeynes.inquiry@sgs.com](mailto:cp.miltonkeynes.inquiry@sgs.com)

#### ASIA

SGS IBR Laboratories  
4F, 1 Building, Liando U Valley  
No.200 Xing Pu Road, SIP,  
Suzhou, China  
Call: +86 (0)21 6191 5016  
E-mail: [ee.shanghai@sgs.com](mailto:ee.shanghai@sgs.com)

-  [www.sgs.com/ibr](http://www.sgs.com/ibr)
-  [LinkedIn SGS Connectivity & Products](#)

Trusted means *Tested.*

WHEN YOU NEED TO BE SURE

**SGS**