

# Atlas Copco

## Quality Air Solutions



## SD Membrane Dryers



*Atlas Copco*



## Total capability, total responsibility

Right at the heart of your business, Atlas Copco delivers quality compressed air for superior operational capacity. From compressed air generation to point of use, you can choose from our wide range of products to create a complete compressed air system tailored to your specific needs. All Atlas Copco products are engineered to integrate seamlessly, ensuring the highest level of reliability and energy efficiency. As a result, Atlas Copco can take full responsibility for your compressed air infrastructure with a guarantee of best-in-class quality. With a global presence in over 150 countries, we can provide an unrivalled service to maintain and continually improve your compressed air system performance.

Backed by 100 years at the forefront of compressed air, Atlas Copco products offer the finest quality and efficiency. Our goal is to be First in Mind—First in Choice™. That is why Atlas Copco's pursuit of innovation never ceases, driven by the dedication to meet and exceed your demands. Always working with you, we are committed to providing the customized air solution that is the driving force behind your business.

**Atlas Copco:**  
*We are committed to your superior productivity through interaction and innovation.*

## SD membrane dryers: saving energy, driving efficiency

### DELIVERING QUALITY AIR

Untreated compressed air contains moisture, aerosols and dirt particles that can damage your air system and contaminate your end product. Resulting maintenance costs can far exceed air treatment costs. We believe in effective prevention.



#### INCREASE YOUR PRODUCTION RELIABILITY

Low quality air heightens the risk of corrosion in your system, which can lower the life span of air tools and production equipment. Atlas Copco's filters and dryers produce high quality air that enhances your system's reliability, avoiding costly downtime and production delays.



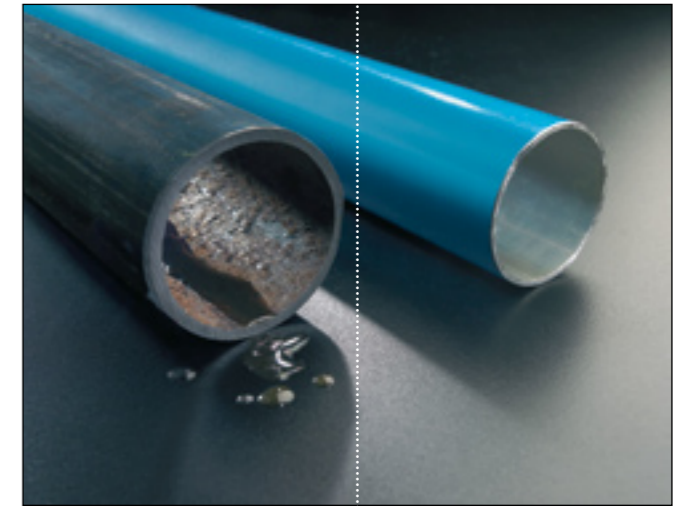
#### REDUCE YOUR ENERGY COSTS

Clean, treated air reduces the risk of corrosion and leaks in your compressed air system. A 3 mm leak could easily add up to EUR1800 to your energy bill annually.



#### SAFEGUARD YOUR PRODUCT QUALITY

Compressed air coming into contact with your final products should not affect their quality. Atlas Copco's quality air solutions provide the clean, dry air that will protect your product's reputation in the marketplace.



*An abrasive oily sludge, a by-product of the compression process, can cause corrosion in your piping system which can shorten the life of equipment and make it prone to leakage.*

*With Atlas Copco's quality air solutions, your compressed air system remains clean and free from moisture, expanding the life of equipment, increasing efficiency and ensuring quality in your final product.*



#### PROTECT THE ENVIRONMENT

With leaks and energy waste minimized and the disposal of untreated condensate eliminated, you can safeguard the environment and comply with international regulations.

### CLEAN AIR...

Removing oil, particles and moisture from compressed air in the most demanding conditions, Atlas Copco's SD membrane dryers with pre-filters eliminate the results of low quality air at the lowest energy cost. Thanks to their pioneering Advanced FiberTechnology, SD dryers ensure the lowest pressure drop and purge air loss for the highest possible efficiency – saving you time and money through your production process.

### ... IN EXTREME CONDITIONS

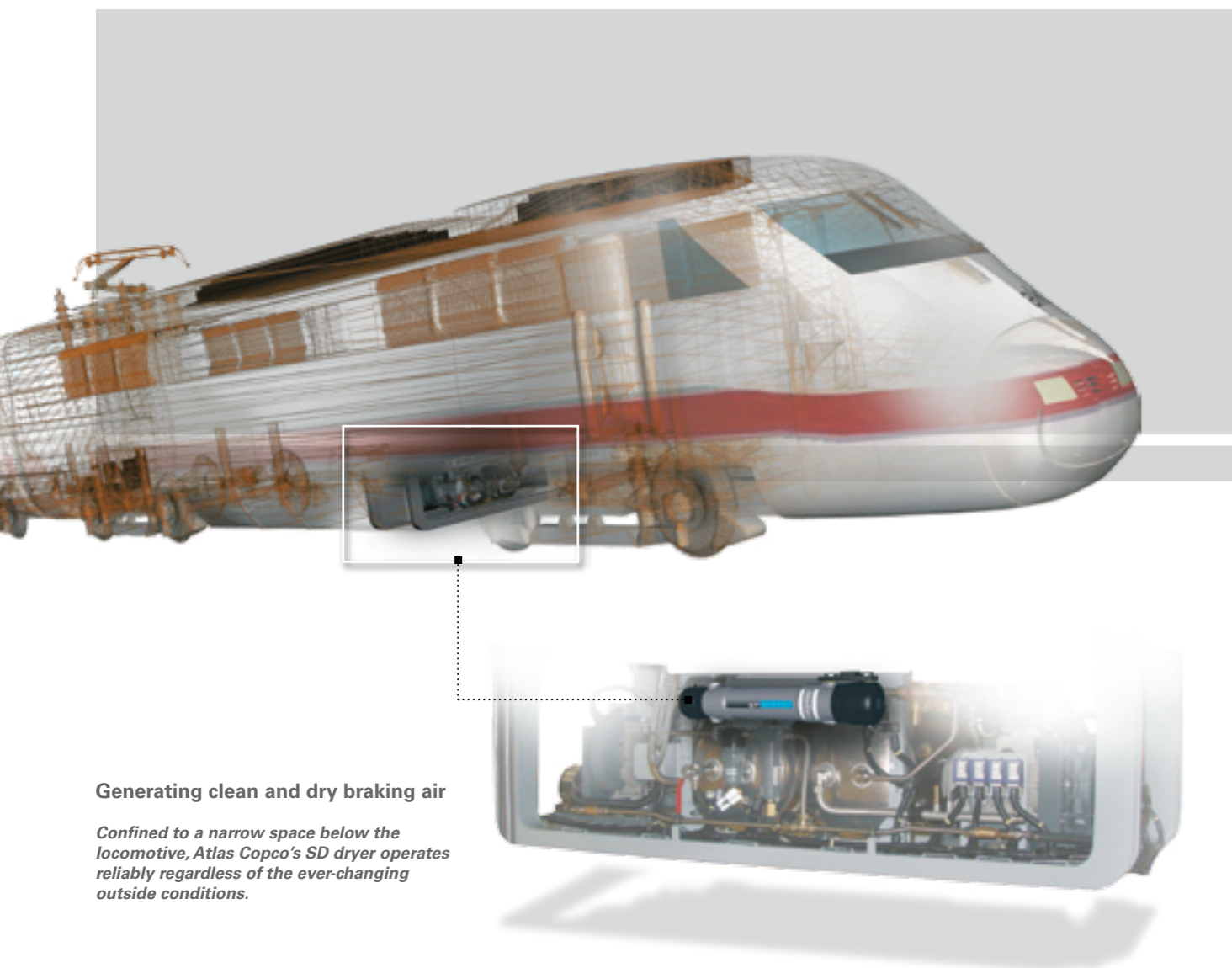
From small spaces to environments with fluctuating ambient temperatures, SD dryers can perform in a wide variety of harsh and critical conditions. SD dryers also come with different types of membranes, each with a range of performance, to offer you the exact air treatment you require.



# Custom-built performance

Atlas Copco offers a selection of membrane dryers for the dew point your operation requires. Thanks to their innovative design, SD dryers provide the quality of air that will increase the reliability and energy efficiency of your production.

## PERFORMANCE IN HARSH CONDITIONS



### Generating clean and dry braking air

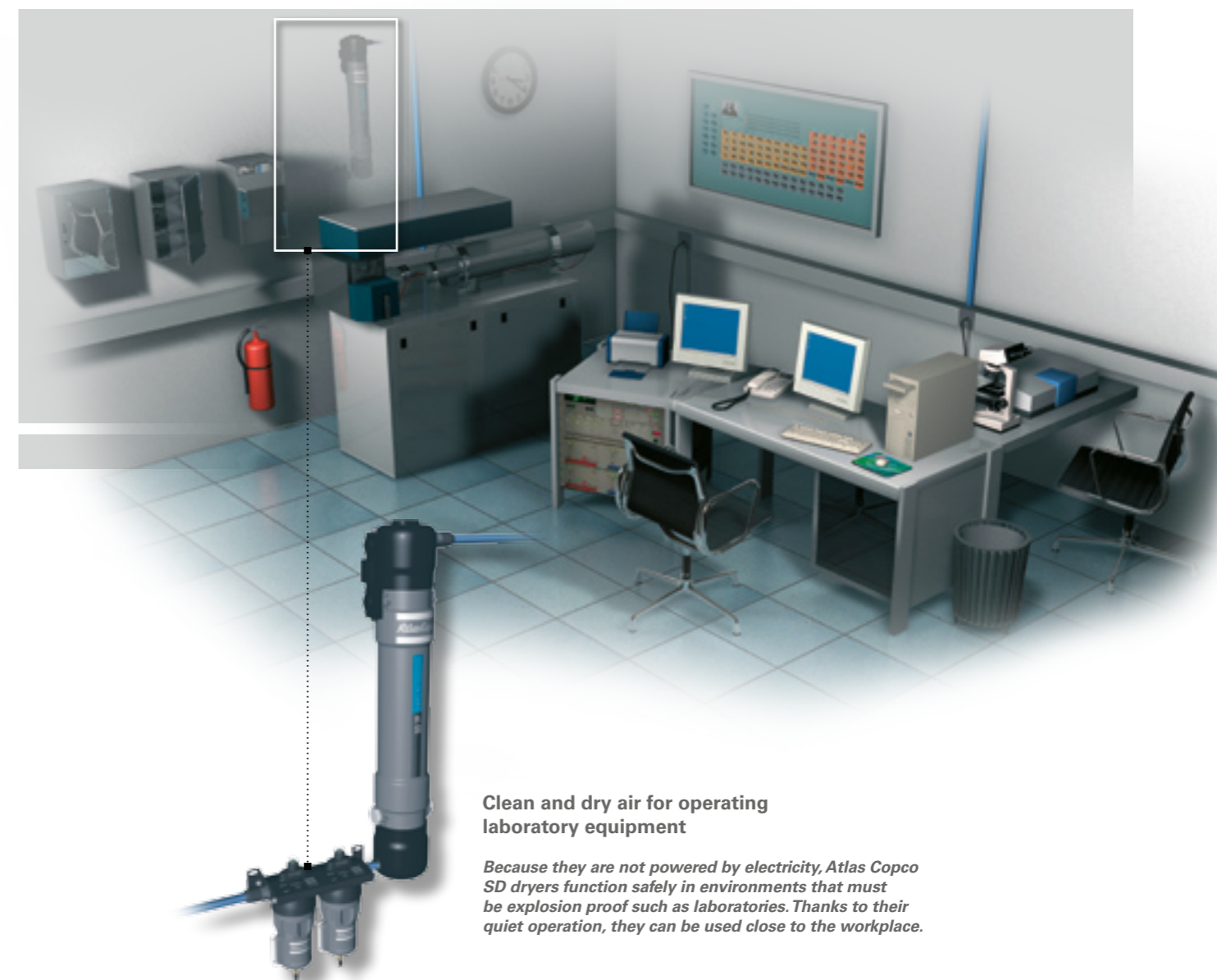
*Confined to a narrow space below the locomotive, Atlas Copco's SD dryer operates reliably regardless of the ever-changing outside conditions.*

Atlas Copco's membrane dryers perform where others won't:



- In small spaces
- In areas where flexible mounting is required
- In high vibration areas
- In widely fluctuating temperatures

## PERFORMANCE IN CRITICAL CONDITIONS



### Clean and dry air for operating laboratory equipment

*Because they are not powered by electricity, Atlas Copco SD dryers function safely in environments that must be explosion proof such as laboratories. Thanks to their quiet operation, they can be used close to the workplace.*

SD dryers provide dry air in environments with strict safety or environmental requirements:

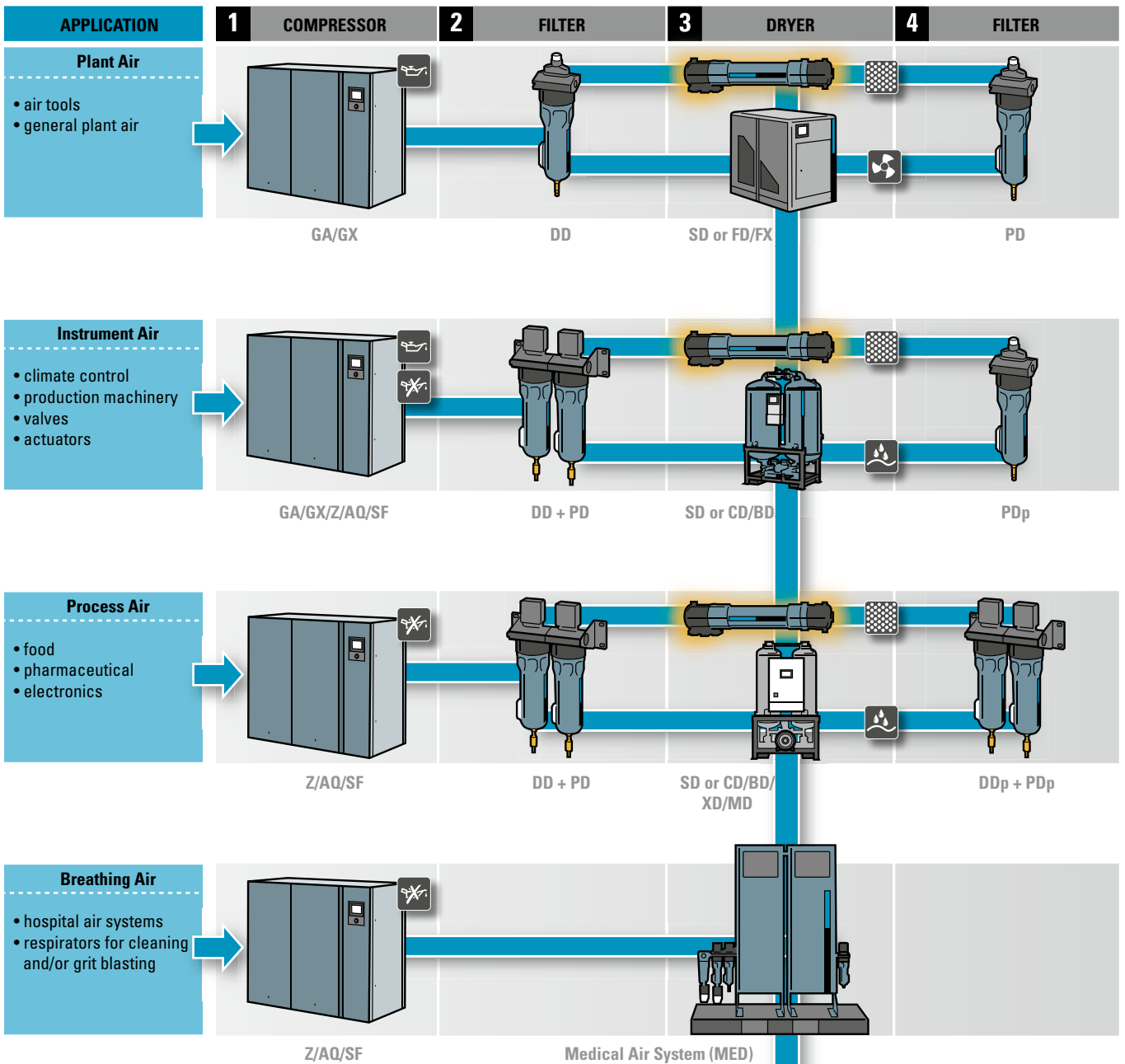


- In low flow environments
- In areas without electrical supply
- In areas with explosion proof requirements
- In noise sensitive areas
- In corrosion sensitive areas



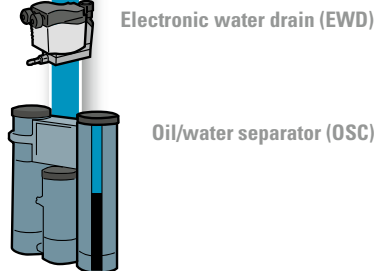
# Atlas Copco quality air solutions

## FOUR STEPS TO QUALITY AIR



### FILTERS

Type	Purpose/Principle	Oil removal	Particle removal
DD	coalescing filters for general purpose protection	0.1 ppm	1 µm
DDp	particle filter for dust protection	-	1 µm
PD	high efficiency coalescing filter	0.01 ppm	0.01 µm
PDp	high efficiency particle filter for dust protection	-	0.01 µm
QD	active carbon filter for removal of oil vapors and (hydrocarbon) odors	0.003 ppm	



### DRYERS



Refrigerant



Adsorption



Membrane



Lubricated



Oil-free

### COMPRESSORS

This diagram is intended as a general guide.

Please contact your Atlas Copco sales representative for a breakdown of your specific requirements.



In order to be First in Mind—First in Choice™ for all your compressed air needs, Atlas Copco delivers the products and services that help increase your business' efficiency and profitability.

Atlas Copco's pursuit of innovation never ceases, driven by your need for reliability and efficiency. Always working with you, we are committed to providing you the customized quality air solution that is the driving force behind your business.



**Never use compressed air as breathing air without prior purification in accordance with local legislation and standards.**