



UD TRUCKS



Going the Extra Mile

# UD Genuine Parts - Air Drier

# GENUINE VS NON GENUINE

Genuine UD Air Drier components are the safe choice when it comes to maintaining an efficient and reliable compressed air system on UD Trucks. Genuine parts reduce the risk of corrosion and are guaranteed to remove moisture and other contaminants from the pneumatic air supply. If foreign particles make their way into the air system they have the potential to damage seals, valves and other critical brake components. This could cause costly downtime and limit productivity of customers transport operations.

A modern truck can require 1000 litres of clean, dry, compressed air per minute to operate its braking and suspension systems.

Genuine UD Air drier and cartridge are the only parts that guarantee;

- Safe brake function and excellent suspension comfort.
- Reliability at pressures of up to 12.5 bar.
- An extra coalescing filter which optimises oil particle and moisture removal from the air system.
- Absorption capacity of up to 150g.



## FEATURES & BENEFITS

### FEATURES

### BENEFITS

#### AIR DRIER

##### Air Treatment

- Protects the safe performance of the air system by retaining dust, moisture and oil which could come from the compressor
- Quality assured according to UD Trucks standard

##### Electric Parking Brake (Only available on Quon)

- Greater levels of driver comfort with automatic parking brake activation and release

##### An Optimized Service Plan

- To ensure greater levels of vehicle uptime and performance
- Integrated components meaning quick and easy replacement
- Easy to access and service – Trucks are back on the road faster
- Reliable - Global testing of components across tough environments and varying climates

##### Enhanced Air Drier Regeneration

- Safe operation with reduced risk of contaminants in the air tanks

#### AIR DRIER CARTRIDGE

##### Cartridge

- Retains pollutants to ensure dependable operation of the air system

##### Sieve

- Protects the Air Drier System against contamination of the air supply, in particular the unloader valve, which is upstream of the cartridge

##### Silencer

- Reduces noise levels

##### Designed to UD Specification

- Guaranteed to meet specifications in terms of capacity and durability
- Designed to operate with other components: The casing and cartridge do not come into contact with one another which could cause restricted flow

##### UD Filter Seal

- Reliable sealing of the filter to the external environment. Excellent sealing characteristics even at high operating temperatures

##### Exclusive Coalescing Filter

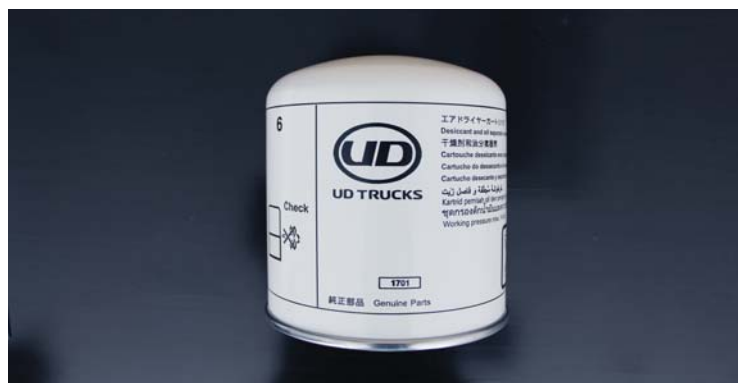
- Provides an extra layer of oil protection which eliminates the risk of complete brake failure

## WHAT IS IT & HOW DOES IT WORK?

Each UD truck with air brakes has an air compressor. The job of the compressor is to keep the air tanks full, so there is always available air to assist clutch function, gear shift and to stop the truck. There are always elements of humidity in air. This means that each particle of air contains water vapour in all conditions and climates.

Air is heated as it is compressed and as it travels through the discharge tank into the air tank it cools. This cooling leads to condensation, which creates traces of water in the trucks air tanks. Oil contaminants also have the potential to make their way into the tanks through the water. The job of the Air Drier is to minimise the amount of moisture and other contaminants that could make their way into the air tanks contaminating the brake circuit. The Air Drier operates in 2 cycles:

1. Air travels into the cartridge where clean air is filtered and particles, which could include water vapour, oil and dirt are removed.
2. Damp air is dried as it flows along the coalescing filter, resulting in clean air being delivered, out of the port to the air system supply reservoir.



### WHY DRIER MAINTENANCE IS CRITICAL?

Over time, impurities and contaminants from the air compressors and other external areas can build up on the surface of the drier – reducing its performance. When this happens, the air drying capability is compromised, water can build up inside the air system causing corrosion and rust to parts like air pipes and fittings. The resulting rust can then become lodged inside components such as the brake valves. This could lead to dangerous air leaks and other vehicle malfunctions.

Not changing the cartridge can allow the filter to be clogged and allow contaminants to by-pass, cause damage and lead to additional repair costs and downtime.

## UD AIR-DRIER MAINTENANCE TIPS

Humidity and oil are the two most common forms of contamination causing brake systems to fail. Humid air leads to corrosion and oil droplets can harm seals resulting in air leaks. Air Drier maintenance is crucial for a clean air system, free from water and oil so your vehicles brake system functions as designed. Visually check that water drains from the port of the air drier. If a large amount of water is drained, have the air drier inspected by an authorised UD Workshop. If the drained liquid contains large traces of oil, then the compressor may need to be checked.

UD Trucks recommend changing the air drier cartridge at least once a year or earlier based on environment humidity and vehicle usage. It is highly recommended to follow UD Trucks suggested service plans for your business. The sieve and silencer should be changed at the same time as the cartridge. The air tanks should be drained of water and residue on a daily basis during your operators vehicle walk-round inspection.



# We go the extra mile for you

**UD Genuine Parts is specially designed and tested for UD Trucks which guarantee quality, value and productivity.**



**TAN CHONG INDUSTRIAL EQUIPMENT SDN BHD** (013285-X)

A subsidiary of Tan Chong Motor Holdings Berhad (12969-P)

Lot 3, Jalan Perusahaan Satu, 68100 Batu Caves, Selangor Darul Ehsan, Malaysia

Tel: 03-6189 9832 Fax: 03-6189 9336 Email: [enquiry@tcie.com.my](mailto:enquiry@tcie.com.my) Website: [www.tcie.com.my](http://www.tcie.com.my)