



Recommended Service Intervals for Bendix® Air Dryers

Air Usage	Typical Vehicle Vocation	Axles	Reservoir Drain Interval (whichever comes first)			Bendix® Standard Cartridge Replacement	PuraGuard® Oil Coalescing Cartridge Replacement*					Bendix® GC™ Green Cartridge Replacement
			Hours	Mileage	Time		AD-9®	AD-9si®	AD-IP®	AD-IS®	AD-SP®	
Standard	Line haul, city, delivery	5 or less	900	25,000	3 months	24 months	24 months or 200,000 miles					12 months
Medium	Double trailers, light transit, light off-highway	8 or less	450	12,000	2 months	18 months	18 months or 150,000 miles					12 months
High	Multiple trailers, city transit, heavy duty off-road	11 or less	300	6,000	1 month	12 months	12 months					6 months

**Always follow the truck manufacturer's published service recommendations as they may require more frequent service intervals.*

Bendix Air Dryer Cartridge Replacement

Replacement cartridges for Bendix AD-9® and AD-IP® air dryers are available in either standard version or with PuraGuard® oil coalescing filtration. Bendix AD-IS®, AD-SP®, AD-RP® and AD-9si® air dryers use a spin-on style cartridge which is available in three styles:

- “OE grade” - standard
- PuraGuard oil coalescing filtration; and
- The Bendix® GC™, which is intended for older trucks and utilizes a proprietary mix of new and Bendix remanufactured desiccant.

The chart at the top of the page illustrates suggested replacement intervals for each type of cartridge. Dryer cartridge service intervals depend on many factors including the type of air compressor, age and duty cycle of that compressor, the amount of air consumed, and the vehicle’s operating environment. Fleets should always monitor the quality of the air in their vehicle’s service tanks to ensure air dryers are functioning properly.

More frequent service intervals may be required depending on the vehicle’s age, the condition of its air compressor or use of a non-Bendix compressor. Other factors to consider are the vehicle’s operating environment, vocation and usage. Fleets can determine the condition of the air dryer by checking for moisture in the air brake system per the table above. If excessive moisture – or oil mixed with water – is present, the air dryer cartridge may need to be replaced. For additional information, always reference the appropriate Bendix Service Data (SD) sheet for the air dryer installed on the vehicle.

Air Dryer Cartridges with PuraGuard® Oil Coalescing Filtration

A Bendix® PuraGuard® oil coalescing air dryer provides air system protection for vehicles that rely on clean, dry air for brake system controls along with other pneumatically operated functions. PuraGuard (PG) cartridges contain an oil coalescing filter located before the desiccant bed that removes water & oil aerosols passed by the compressor. PuraGuard oil coalescing filters protect the desiccant while also defending critical components that rely on compressed air like Automated Manual Transmission (AMT) shifters and certain types of emission controls.

A Bendix PuraGuard oil coalescing cartridge has an identical appearance to the standard Bendix® air dryer cartridge. To help easily identify these cartridges, Bendix attaches a PuraGuard medallion to the top of the PG cartridge (see left).



IMPORTANT: If the truck manufacturer supplied an air dryer with an oil coalescing cartridge, **you MUST replace** it with an oil coalescing cartridge regardless of the age of the vehicle. If the air dryer was not originally supplied with an oil coalescing filter, you can help improve any air dryer’s performance by upgrading to a PuraGuard cartridge.

Trucks Equipped with a Standard Cartridge

For Bendix standard desiccant cartridges, the recommended replacement interval for most long haul and delivery trucks is typically 24 months. Trucks that consume larger amounts of air – or are used in vocational service – should have cartridges replaced every 18 months. Annual replacement may be necessary for severe duty applications.

The condition of the compressor, as well as where the truck operates, can affect cartridge life. Periodic inspection of air in the service tanks is recommended to ensure the air dryer is functioning properly.

Annual replacement of the Bendix GC™ spin-on cartridge is recommended for most applications. More frequent replacement may be required for severe duty applications, or if the compressor passes a significant amount of oil.



The Bendix GC™ is specifically intended for older trucks that have air dryers with spin-on cartridges that weren't equipped with an oil coalescing cartridge. By using high performing remanufactured desiccant - which helps the environment by keeping it out of the landfill - the GC provides reliable air-drying at a competitive price.

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Contact your Bendix account representative, or reference the appropriate Bendix Service Data sheet, for additional information.

