

Bendix® Oil Coalescing Air Treatment Solutions

Protect Your Investment
Trust the Best... Trust Bendix.



With EPA '07 and EPA '10, the pressure is on you to protect your investment in new vehicle technologies.

Now, more than ever before, air dryers with oil coalescing technology are critical to preserving your vehicle systems and keeping you on the road.

Choose PuraGuard® oil coalescing air dryers by Bendix Commercial Vehicle Systems. They're the best in the business, with competitive test data to prove it.

Bendix®

Oil Coalescing Technology – Why Now?

In the past, you didn't need to think too much about your air dryer. You could get by with "good enough." You could simply "wait and see" before committing to advancements like oil coalescing technology.

But those days are now gone.

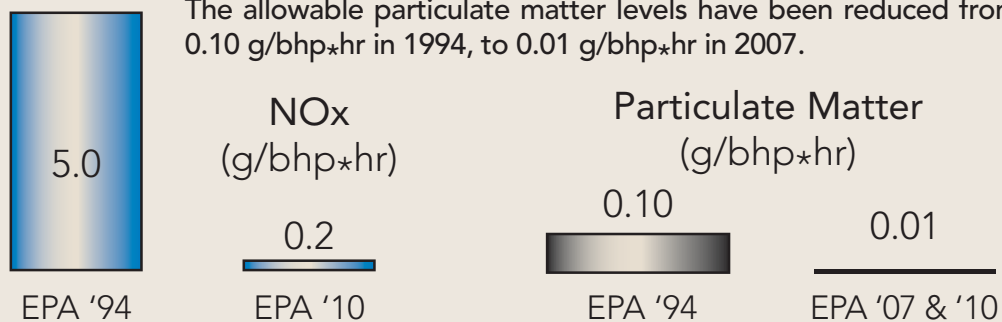
Whether you're an OE, fleet, or owner-operator, you operate in a world of increasingly strict emission standards and higher costs of running your business. EPA regulations in 2007 and 2010 dramatically reduced the allowable diesel engine emissions of nitrogen oxides (NOx) and particulate matter (PM).



EPA Tightens Regulations

Allowable levels of Nitrogen Oxides (NOx) have been reduced from 5.0 g/bhp*hr in 1994, to 0.2 g/bhp*hr in 2010.

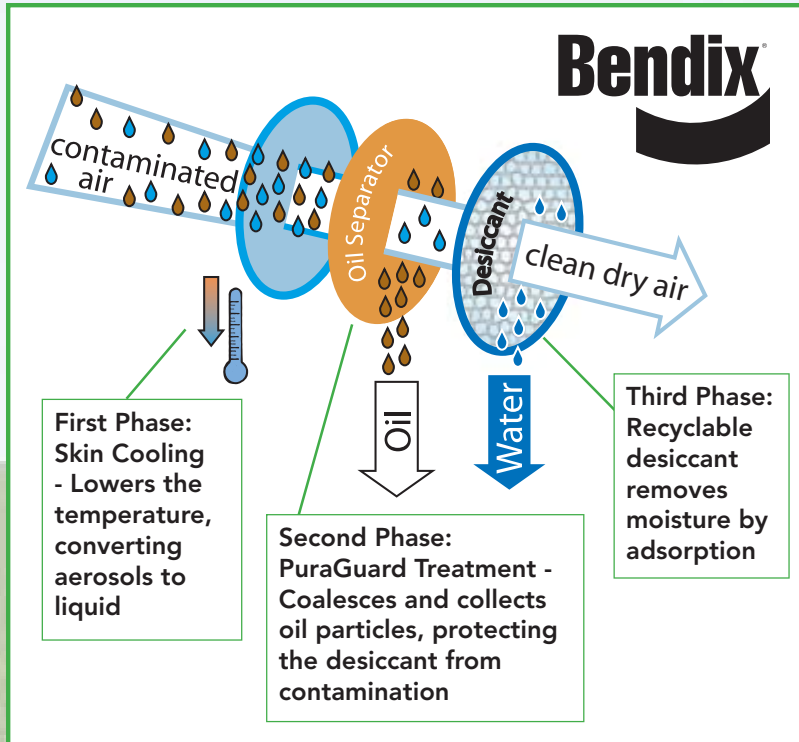
The allowable particulate matter levels have been reduced from 0.10 g/bhp*hr in 1994, to 0.01 g/bhp*hr in 2007.



Manufacturers responded to EPA '07 and '10 with major technical advances to their vehicle systems. These advances – including Advanced Exhaust Gas Recirculation (EGR), Selective Catalytic Reduction (SCR), and the Diesel Particulate Filter (DPF) – have added a total of \$10,000 to \$15,000 to the cost of each commercial vehicle. As costs rise, so does the pressure to protect your investment.

When air contaminated with oil is sent into these systems, you risk considerably shortening its life and possibly spending a great deal to repair it.

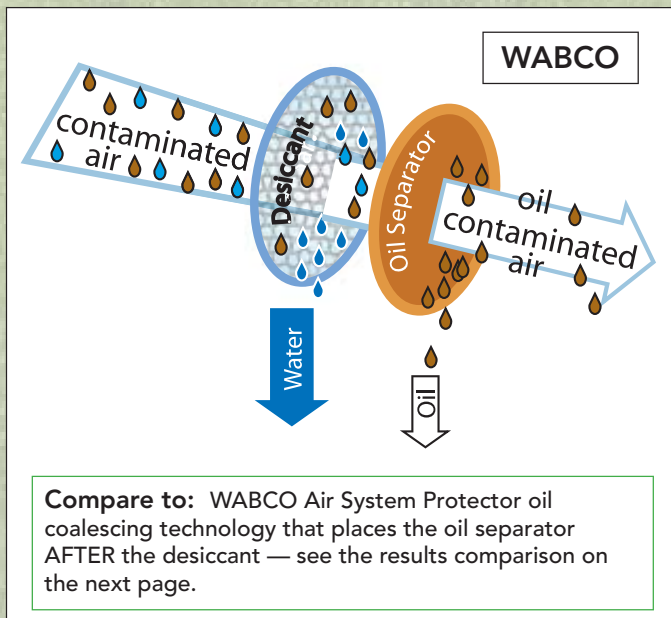
Proven Bendix® PuraGuard® Oil Coalescing Technology



Bendix integrates proven PuraGuard® oil coalescing technology into the air dryer cartridge.

One feature that separates the Bendix technology from our competition is the placement of the oil coalescing filter. It comes before the desiccant, ensuring the removal of oil and oil aerosols before they get to that important moisture-removing desiccant.

This is critical because oil fouls the desiccant and diminishes its ability to remove moisture. In addition, Bendix uses recyclable desiccant in all of our air dryer cartridges in an effort to keep the environment green.



Another important feature of the Bendix spin-on cartridge design resides in our patented check valve. Coalescing filters are more efficient when air flows only in one direction through the coalescing media. Bendix's patented check valve enables this one-way flow and makes our oil coalescing technology more efficient than the WABCO design.

In WABCO's Air System Protector technology, the oil coalescing filter is placed after the desiccant, subjecting the desiccant to contamination. Oil reaches the desiccant in the charge cycle and again in the purge cycle, which pushes the oil back through the desiccant, further contaminating it. This could be damaging to your system.

Best-in-Class Performance

We say Bendix makes the best air dryers. You say, "prove it."

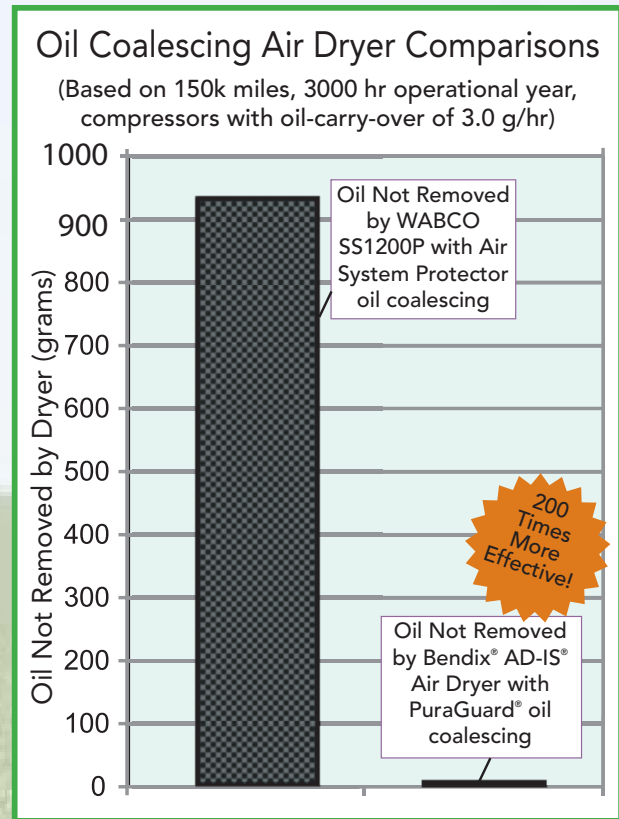
The competitive test data, shown – in part – on the chart, demonstrates the superior oil coalescing performance of Bendix air dryer cartridges.

Based on the data, the Bendix AD-IS® air dryer with PuraGuard® oil coalescing is over 200 times more effective at removing oil than the WABCO SS1200P air dryer with Air System Protector oil coalescing.

What does this level of performance mean for you?

PuraGuard® oil coalescing from Bendix protects your investment by preserving the new advanced vehicle systems found on your vehicles.

Yes, the cartridges are the same size from brand to brand, but critical differences exist in the engineering of the products. The Bendix spin-on cartridge with PuraGuard® oil coalescing can be used as a direct replacement on WABCO air dryers with equivalent cartridges.



Further Test Data Highlights (For more test data, please contact us.)

The Bendix® AD-IP® air dryer with PuraGuard oil coalescing is over 30 times better than the WABCO SS1200P with Air System Protector oil coalescing.

The Bendix® AD-9® air dryer with PuraGuard oil coalescing is over 3 times better than the WABCO SS1200P with Air System Protector oil coalescing.

Demand the Best.

Demand Bendix.



Bendix® PuraGuard® Oil Coalescing Cartridge Application Guide

Air dryer cartridge part numbers shown in blue provide the increased performance of Bendix® PuraGuard® oil coalescing technology						
Vehicle Make	Air Dryer		Vehicle Year			
			Pre-2004	2004 - 2006	2007 - 2009	2010 & newer
			Emission Standard			
			Pre-EPA '04	EPA '04	EPA '07	EPA '10
Volvo/Mack	AD-9®	Service New	107796PG, 107796		107796PG	
		Reman	107794PG, 107794		107794PG	
	AD-IP®	Service New	065624PG, 065624		065624PG	
		Reman	109493PG, 109493		109493PG	
	AD-IS®	Service New	5008414PG, 5008414		5008414PG	
	NOTE: PuraGuard® Coalescing Cartridges required for all models beginning in 2008 model year.					
Freightliner & Western Star	AD-9®	Service New	107796PG, 107796		107796PG	
		Reman	107794PG, 107794		107794PG	
	AD-IP®	Service New	065624PG, 065624		065624PG	
		Reman	109493PG, 109493		109493PG	
	DRM™ / AD-IS®	Service New	5008414PG, 5008414		5008414PG	
	NOTE: PuraGuard® Coalescing Cartridges required for all vehicles equipped with Detroit Diesel DD-13® and DD-15™ engines, beginning in 2010 model year.					
Kenworth & Peterbilt	AD-IS® AD-SP® AD-IS® EverFlow®	Service New	5008414PG, 5008414		5008414PG	
International	AD-9®	Service New	107796PG, 107796		107796PG	
		Reman	107794PG, 107794		107794PG	
	AD-IP® / AD-IP® EverFlow®	Service New	065624PG, 065624		065624PG	
		Reman	109493PG, 109493		109493PG	
	AD-IP®	Service New	065624PG, 065624		065624PG	
		Reman	109493PG, 109493		109493PG	
	AD-IS®	Service New	5008414PG, 5008414		5008414PG	
Bus/RV/ Other	AD-9® / AD-9® EP / AD-9® EverFlow®	Service New	107796PG, 107796		107796PG	
		Reman	107794PG, 107794		107794PG	
	AD-IP® / AD-IP® EP / AD-IP® EverFlow®	Service New	065624PG, 065624		065624PG	
		Reman	109493PG, 109493		109493PG	
	AD-IS® / AD-IS® EP / AD-IS® EverFlow®	Service New	5008414PG, 5008414		5008414PG	
	NOTE: Consult manufacturer specifications to verify the specific application cartridge requirement, PuraGuard® oil coalescing cartridges are recommended by Bendix.					

Be sure to replace your existing oil coalescing cartridges with Genuine Bendix service replacement parts & kits.



Preserve your vehicle systems. Protect your investment. Lower your maintenance costs.

Bendix® proven PuraGuard® oil coalescing technology, teamed with field-proven standard AD-9®, AD-IS®, AD-IP®, and AD-SP® air dryer reliability and durability, ensure the proper performance of today's advanced vehicle systems.



Oil coalescing air dryers are not created equal.

Bendix pioneered commercial vehicle air dryers over four decades ago. And it's been a decade since our first oil coalescing air treatment solution was developed. Trust in Bendix, the company who has been setting the standards in the commercial vehicle industry for 80 years.


- Choose the most experienced air treatment manufacturer in the industry
- Choose the top performer
- Choose PuraGuard® oil coalescing air treatment products by Bendix CVS

For more information, to meet with a Bendix account manager,
or to arrange a purchase, call 1-800-AIR-BRAKE (1-800-247-2725)
or visit www.bendix.com today.



WABCO is a trademark of WABCO and is used for comparison purposes only. References in this document to DETROIT DIESEL, FREIGHTLINER, INTERNATIONAL, KENWORTH, MACK, NAVISTAR, PACCAR, PETERBILT, VOLVO, WABCO, WESTERN STAR, and any other company or trademark are solely for identification and cross reference purposes. The trademarks are the property of their respective companies and are not affiliated with or endorsing Bendix Commercial Vehicle Systems LLC.

Bendix Commercial Vehicle Systems LLC • 901 Cleveland Street • Elyria, OH 44035 • 1-800-AIR-BRAKE • www.bendix.com
BW2811 ©2011 Bendix Commercial Vehicle Systems LLC, a member of the Knorr-Bremse Group • 06/11 • All Rights Reserved

 Printed on recycled paper