

Choose quality when replacing cartridges!

Old air dryer cartridges must be replaced before the winter arrives.

The result of economising in terms of quality at this point will lead to high consequential costs when parts of the braking system fail due to soiling corrosion or oiling. Additionally, there is the safety risk due to the frozen braking system.

The range of available replacement cartridges with coalescing filter may overwhelm the potential buyer, this is a good reason for WABCO to compare and classify the quality of individual products:

Market overview cartridges				
Product description	Oil separation	Water separation	Granulate strength	Service interval
Competitor product A with coalescence filter	20%	70%	low	1 year
Competitor product B with coalescence filter	100%	60%	non-uniform	2 years
WABCO ASP with coalescence filter	100%	100%	high	2 years

The information in the table is based on usual, commercially available cartridges. The result is clear:

- On no account did the coalescence filter of the competitor product A live up to expectations. This product does not provide effective protection against harmful aerosols which attack rubber parts of the system.
- Competitor product A has a much lower desiccating effect and therefore provides less protection against dangerous freezing and corrosion of the braking system.
- When the granulate is of low strength, desiccant powder penetrates into the system which, in turn, can cause soiling and leaks.

The best result was achieved by the WABCO Air System Protector (ASP). This cartridge meets all quality requirements and also shows the best price-performance ratio.

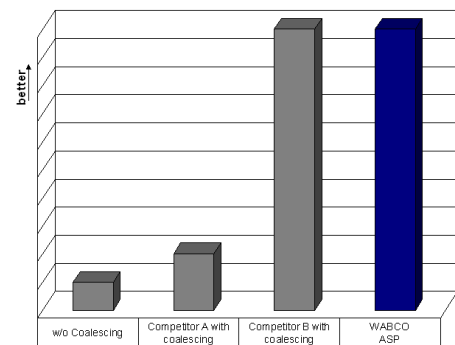


Illustration: Measurement series oil separation

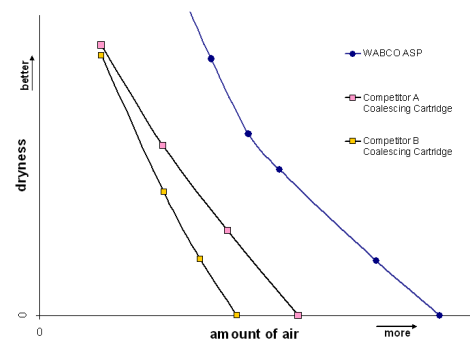


Illustration: Measurement series water separation

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Vehicle manufacturers have recognised this and increasingly use ASP versions.

Vehicle manufacturer's demand: in these vehicles ASP cartridges must also be used to replace old cartridges in order to meet the requirements of these modern systems, especially in critical conditions.

Always remember that a cartridge of inadequate quality brings with it the risk of a brake failure.



Do not compromise – trust the winner, rely on the WABCO ASP cartridge.

Brand	Reference	WABCO ASP
DAF	1504900R	432 901 223 2
	699387	432 901 223 2
Daimler	000 429 33 95	432 901 223 2
	000 429 37 95	432 901 223 2
Daimler / Evobus	000 429 56 95)*	432 901 223 2
EvoBus	8 285 141 196	432 901 223 2
IRISBUS	8010002016	432 901 223 2
IVECO	174767	432 901 223 2
	3351454 R1	432 901 223 2
	8190948	432 901 223 2
MAN	136873-1	432 901 223 2
	81.52102-0008	432 901 223 2
MAN / NEOMAN	81.52108-6025)*	432 901 223 2
NEOPLAN	11017455	432 901 223 2
RENAULT	50 00 295 421	432 901 223 2
	50 01 843 522)**	432 901 228 2
	50 21 170 070	432 901 223 2
	50 21 170 076	432 901 223 2
	50 21 170 077	432 901 228 2
	54 30 018 121	432 901 228 2
SCANIA	377640	432 901 223 2
	1384549	432 901 228 2
	177 45 98)***	432 901 228 2
VOLVO	20557234)*	432 901 223 2
	3090288	432 901 223 2
WABCO	432 410 020 2 / 222 7	432 901 223 2
	432 410 226 2 / 220 7	432 901 228 2

)* Reference corresponds to the WABCO ASP cartridge.

)** Without hexagon head SW 30

)*** Scania uses the high-grade WABCO ASP cartridge with coalescing filter for original equipment only.