

UP2DATE

THE NEW OIL SEPARATOR CARTRIDGE FOR MERCEDES-BENZ VEHICLES

New OSC covers also former Mercedes-Benz applications

Knorr-Bremse is a trusted development partner in the air treatment for commercial vehicle manufacturers for decades. Since 2008 Knorr-Bremse equips Mercedes-Benz vehicles with Electronic Air Treatment products, the EAC 2. In 2018 the first Mercedes-Benz vehicle having the Knorr-Bremse EAC 2 with integrated parking brake (ePB) was produced. Until now more than 100.000 trucks with EAC 2 with ePB are in the field and running with the corresponding Knorr-Bremse oil separator cartridge (OSC) that perfectly fits to the needs of the air treatment system.

In contrast to many of our competitors' products, the Knorr-Bremse OSC Cartridge removes oil and dust particles from the compressed air before the air comes in contact with the desiccant. The unique aerosol and oil filtration system prevents even the smallest particles of contaminants from entering the desiccant, as a result of this the desiccant is protected and it can maintain the drying performance consistently over a long period of time.

Now the OSC for the EAC 2 with ePB is also available for the independent aftermarket. It can be ordered under the part number: K163455

Despite its technical advantages the cartridge also perfectly fits former air treatment systems. Therefore, it replaces the former OSC K102196 to a full extend and covers more Mercedes-Benz applications.

A comprehensive reference table incl applications can be found on the next page.

At a glance

- › trusted OE-quality, best in class air drying
- › one cartridge for almost all Mercedes-Benz applications
- › reduced part numbers, less warehousing



OVERVIEW OF CARTRIDGES FOR EAC2

OSC Filter Cartridge for IAM	EconX Filter Cartridge for IAM	Old OSC Filter Cartridge for IAM	EAC2 Part Number	Mercedes-Benz Part Number
K163455 NEW	-	-	K166997	A 002 446 03 64
			K166998	A 002 446 04 64
			K166999	A 002 446 05 64
			K167000N01	A 002 446 06 64
			K152517	A 001 446 95 64
			K184250	A 002 446 18 64
			K184251	A 002 446 19 64
			K184252	A 002 446 20 64
			K184253N01	A 002 446 21 64
			K184259	A 002 446 26 64
			K184261	A 002 446 27 64
			K184263N01	A 002 446 28 64
K163455	-	K102196	K102139	A 001 446 12 64
			K138263	A 001 446 50 64
			K102141	A 001 446 11 64
			K138264	A 001 446 49 64
K039454	K039454X00	-	K007331	A 000 446 16 64
			K078209	A 000 446 16 64
			K015444	A 000 446 15 64
			K078210	A 000 446 15 64

Note: The „Mercedes-Benz Part Number“ should only be used as a reference for identification of the relevant IAM part numbers.
The information is supplied without liability.

TOP PERFORMANCE CARTRIDGES

Knorr-Bremse has a range of cartridges for many vehicle applications. For a complete overview please refer to the cartridge poster (Y198501)

Top Performance Cartridges

Cartridge Features	Oil Separator Cartridge (OSC)	EconX* Oil Separator Cartridge	Conventional Cartridge
Aerosol separation performance	+++	+++ / ++	+
Oil separation performance	+++	+++ / ++	+
Particle separation performance	+++	+++ / ++	++
Drying performance	+++	++	++
Recommended service interval	Normal Air Consumption High Air Consumption	up to 36 months up to 24 months	up to 12 months up to 12 months
Max. operating pressure	14 bar	14 bar	14 bar 20 bar: Maximum operating pressure (I38789F004)
Vehicle application technology	High-end mechatronic vehicle systems Mechatronic vehicle systems Pneumatic vehicle systems	High-end mechatronic vehicle systems Mechatronic vehicle systems Pneumatic vehicle systems	Pneumatic vehicle systems
M39x1.5 Standard height (165 mm)	K039454	K039454X00	I40100F K001185 Low temperature (-45°C)
M39x1.5 Standard height (165 mm) Left-hand thread	K039453 K137956A3D	K039453X00 K137956X00	
M41x1.5 Standard height (165 mm)	K039455	K039455X00	
M41x2.0 Standard height (165 mm)	K102196		
M41x1.5 Reduced height (135 mm)	K147320		I41300F
M42x1.5 Standard height (165 mm)	K147320 Maximum operating pressure 20 bar		I38789F004 Maximum operating pressure 20 bar
G 1 1/4 Height with hexagon nut (178 mm) SW 30		K115979X00	K087957
M39x1.5 Height with hexagon nut (178 mm) DNF small sealing ring SW 30	K096383		
Cartridge insert for bayonet application including main sieve	K096837X50		

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For more information please visit: www.knorr-bremseCVS.com

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Up-to-date information on our products can be found on our website truckservices.knorr-bremse.com



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