



HIGH PERFORMANCE AIR FILTERS

COMPANY PROFILE





A GLOBAL COMPANY

BMC Air Filters is one of the most renowned brands in the motorcycle and automotive industries.

BMC is leader in production of high performance air filters and induction systems, both for racing and street use.

BMC's main aim is about bringing knowledge and passion from the race into the everyday vehicle.

Directly from competition, the expertise of Italian engineers and designers is rigorously transferred to street production.

BMC's products are made by state-of-the-art machinery and highly qualified personnel. Every stage of the production process is carried out in Italy, from design to production.

BMC's air filters are designed to give the highest performance in extreme conditions. This is why they are employed in the automotive, aerospace, nautical, industrial and racing fields.

BMC is an international company with branches in Germany, China and USA, along with over 40 distributors all over the world.

INNOVATION

QUALITY

RELIABILITY



MAIN CLIENTS



WHEN IT COMES TO PRODUCTION QUALITY AND HIGH STANDARDS, BMC IS ALWAYS UP FOR THE TASK.

THAT IS WHY SO MANY GREAT COMPANIES IN THE AUTOMOTIVE INDUSTRY HAVE CHOSEN BMC AS THEIR PARTNER.

BMC FILTRATION SYSTEMS ARE STANDARD EQUIPMENT ON

- MERCEDES SL65 BLACK SERIES
- LAMBORGHINI BLANCPAIN SUPERTROFEO
- ABARTH 500 TROFEO ESSESSE
- ABARTH GRANDE PUNTO ESSESSE
- BMW M3 CSL
- BMW H2





THE PERFECT AIR FILTER



HIGHEST QUALITY

The BMC AIR FILTER IS COMPOSED OF A METALLIC MESH CONTAINING AN OILED MULTILAYER COTTON FILTRATION MATERIAL. THIS GUARANTEES A HIGH LEVEL OF FILTERING EFFICIENCY AND A LIMITED LOSS OF AIR PRESSURE. THE OIL USED GIVES THE MATERIAL ITS (STICKY) ADHESIVE CHARACTERISTIC WHICH AID IN THE RETENTION OF AIR IMPURITIES WITHOUT COMPROMISING OR BLOCKING AIR FLOW PENETRATION. THIS ALSO CREATES A CONTINUOUS FILTERING PROCESS. THE COTTON FILTRATING ELEMENT IS CONTAINED WITHIN AN EXTERNAL SUPPORT FRAME WHICH INTERFACES WITH THE AIR-BOX AND ALLOWS IT TO BE SECURELY INSTALLED. EVERY STAGE OF THE PRODUCTION PROCESS, FROM DESIGN TO MANUFACTURING, IS CARRIED OUT IN ITALY BY ITALIAN ENGINEERS AND USES THE FINEST QUALITY MATERIALS.

RIGOROUS TESTING

BMC OPERATES IN A NUMBER OF AREAS: AUTOMOTIVE, RACING, AEROSPACE, NAUTICAL AND INDUSTRIAL, AND ACCORDING TO THE SPECIFIC REGULATIONS AND REQUIREMENTS OF EACH SECTOR. CONSEQUENTLY, BMC AIR FILTER TESTING IS RIGOROUS AND THOROUGH THEREBY ENSURING A HIGHER QUALITY IN RESPECT TO PAPER, FOAM AND PLASTIC MATERIALS. THE TECHNICAL SOLUTIONS USED BY BMC ARE DERIVED FROM THE RESULTS OF A CONTINUOUS AND INTENSE PROGRAMME OF LABORATORY TESTING. BMC CARRIES OUT FILTRATION TESTS IN ACCORDANCE WITH THE INTERNATIONAL STANDARDS FOR FILTERING (ISO 5011). BMC AIR FILTERS HAVE A 98.5% FILTERING EFFICIENCY IN RESPECT TO THIS STANDARD.

BETTER THAN OEM FILTERS

OEM PAPER FILTERS PRESENT AN ELEVATED RESISTANCE TO THE PASSAGE OF AIR AND CONSEQUENTLY A REDUCTION IN ENGINE PERFORMANCE. THE BMC AIR FILTER PERMITS A NOTABLY HIGHER AIR FLOW PASSAGE, PRODUCING LESS THAN HALF THE PRESSURE DROP (THE DIFFERENCE BETWEEN THE AIR PRESSURE BEFORE AND AFTER THE FILTER ELEMENT) WHEN COMPARED TO PAPER FILTERS. THE ENGINE PROTECTION EFFICIENCY OF THE FILTER IS ENSURED; THANKS TO THE COMBINATION OF THE DIFFERENT OILED LAYERS, CONTAINMENT OF ALL IMPURITIES DOWN TO 7 MICRONS IS GUARANTEED WHEREAS PAPER FILTERS GENERALLY REQUIRE TOTAL FILTRATION OF PARTICLES OF 10 MICRONS. THEREFORE BMC AIR FILTERS ALLOW MORE AIR INTO THE ENGINE IN COMPARISON TO PAPER FILTERS WHILE PROVIDING BETTER PROTECTION. IN ADDITION TRADITIONAL PAPER FILTERS MUST BE REPLACED REGULARLY DURING ROUTINE MAINTENANCE WHEREAS THE BMC AIR FILTER IS REUSABLE AND HAS A GENERAL LIFESPAN EQUAL TO THAT OF THE VEHICLE.

ECOLOGICAL AND ECONOMICAL

BMC AIR FILTERS ARE MADE OF COTTON, A NATURAL MATERIAL WHICH CAN BE REUSED SEVERAL TIMES. THE AIR FILTER CAN BE WASHED WITH A SPECIAL DETERGENT THEN RE-OILED, THEREBY SAVING THE COST OF CHANGING THE AIR FILTER EACH TIME THE VEHICLE IS SERVICED AND THUS REDUCING ENVIRONMENTAL WASTE.



PRODUCTS RANGE



BMC'S AFTERMARKET PRODUCTS RANGE CAN SATISFY EVERY NEEDS IN THE AIR FILTRATION FIELD, FROM STANDARD REPLACEMENT FILTERS TO ADVANCED CARBON INTAKE AIR SYSTEMS.

- **OVER 9000 CAR APPLICATIONS**
- **OVER 900 MOTORCYCLE APPLICATIONS**
- **OVER 500 SPECIFIC PERFORMANCE KIT APPLICATIONS**

BMC'S **AIR FILTERS** REPLACE THE STANDARD OEM PAPER FILTERS IN THE CAR'S AIRBOX. THEY ARE MADE TO ALLOW MORE AIR TO THE ENGINE, WHILE STILL STOPPING MORE EXTERNAL DEBRIS.

DIA (DIRECT INTAKE AIRSYSTEM) IS BMC'S "JUNIOR" AIR INTAKE SYSTEM. IT WORKS LIKE OTA AND CDA, BUT THE BOX IS MADE OF PLASTIC, NOT CARBON-FIBRE.

CDA (CARBON DYNAMIC AIRBOX) IS THE CLASSIC, ICONIC BMC CARBON-FIBRE AIR ADMISSION SYSTEM. IT IS THE ONLY KIT AVAILABLE IN VERY LARGE VERSIONS FOR THE BIGGER ENGINES.

OTA (OVAL TRUMPET AIRBOX) IS BMC'S TOP-OF-THE-RANGE INTAKE SYSTEM. IT IS AN EVOLUTION OF THE CDA. THANKS TO ITS OVAL SHAPE IT IS EASIER TO INSTALL. IT ALSO FEATURES A "TRUMPET" DEVICE WHICH CONVEYS MORE PRESSURIZED AIR TO THE ENGINE. A WATERPROOF VARIANT ALSO EXISTS, SPECIFICALLY DESIGNED FOR HEAVY OFF-ROAD USE.

DIA, CDA AND OTA COME WITH UNIVERSAL VERSIONS (ADAPTABLE TO EVERY CAR) AND SPECIAL VERSIONS FOR SPECIFIC CARS.

CRF (CARBON RACING FILTER) IS THE ULTIMATE PERFORMANCE INTAKE SYSTEM FOR SPORT CARS. IT IS AVAILABLE FOR HIGH PERFORMING CARS SUCH AS LAMBORGHINI GALLARDO, FERRARI 458 ITALIA, AUDI R8 AND NISSAN GT-R.





A HISTORY OF SUCCESS



MOTORSPORTS ARE BMC'S BREAD AND BUTTER. SINCE ITS FOUNDATION, BMC HAS ALWAYS FOCUSED ON PUSHING FORWARD THE LIMIT OF AIR FILTRATION SYSTEMS' PERFORMANCES.

FROM F1 TO MotoGP, FROM WTCC TO SUPERBIKE, FROM RALLY TO LE MANS, BMC EQUIPPED VEHICLES HAVE WON IN VIRTUALLY EVERY MAJOR MOTORSPORT COMPETITION.

MotoGP Drivers Championship

2012 (YAMAHA FACTORY RACING TEAM)

Supersport Drivers Championship

2012, 2010 (TEAM APRILIA), 2009 (TEAM YAMAHA)

Supersport Manufacturers Championship

2012, 2010 (TEAM APRILIA), 2007 (TEAM YAMAHA)

AMA Manufacturers and Drivers Championship

2009 (TEAM ROCKSTAR MAKITA SUZUKI)

WRC Drivers Championship

2009 (TEAM YART)

BHP Global Winner

2007 (TEAM SUZUKI YOSHIMURA)

F1 Manufacturers World Championship

2009, 2008, 2007, 2004, 2003, 2002, 2001, 2000, 1999.

F1 Drivers World Championship

2009, 2008, 2007, 2004, 2003, 2002, 2001, 2000.

WTCC Manufacturers and Drivers World Championship

2009 (SEAT)

American Le Mans Series

2012, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000 (AUDI).

Le Mans 24 Hours

2011, 2010, 2008, 2007, 2006, 2005, 2004, 2002, 2001, 2000 (AUDI)

2003 (BENTLEY)

2009 (PORSCHE LMPZ)

DTM Championship

2009, 2006, 2005, 2003 (MERCEDES)

2008, 2007, 2004, 2002 (AUDI).

Supersport Manufacturers and Drivers

Italian Championship

2010, 2009 (BMW M3 E90, ROAL MOTORSPORT TEAM)





IN ORDER TO KEEP ITS QUALITY LEVEL ALWAYS AT THE TOP OF THE MARKET, BMC INVESTS IN TECHNOLOGY AND RESEARCH. BMC'S RESOURCES ARE TOP OF THE LINE IN EVERY ASPECT: PERSONNEL, EQUIPMENTS, MATERIALS.

BESIDES THE STANDARD AIR FILTERS FOR MOTORCYCLES AND AUTOMOBILES, BMC HAS OBTAINED THE QUALIFICATION AND ACCREDITATION TO BE ABLE TO PERFORM SPECIAL PROCESSES FOR THE AERONAUTICAL SECTOR.

BMC PROCESSES ARE CERTIFIED

- ISO 9001:2000
- EN 9100:2003

THE QUALITY MANAGEMENT SYSTEM APPLIES TO THE DEVELOPMENT AND MANUFACTURE OF FILTERS, ENGINE AIR FILTRATION SYSTEMS AND COMPOSITE MATERIALS COMPONENTS.

PERSONNEL

BMC'S TECHNICAL MANAGEMENT AND STAFF HAVE MANY YEARS OF EXPERIENCE IN DEVELOPMENT, TECHNOLOGY AND PRODUCTION IN THE COMPOSITE MATERIALS APPLICATION FIELD.

EQUIPMENTS

- CLEAN ROOM
- CUTTING PLOTTER
- AUTOCLAVE
- TRIMMING BENCHES
- BONDING AREA
- REFRIGERATION CELLS -18°C AND +4°C
- STOCK AREA
- INSPECTION AREA

ACTIVITIES

- NON STRUCTURAL BONDING
- RIVETING
- FASTENER APPLICATION
- PAINT - COMPOSITES
- MANUFACTURING OF MONOLITHIC COMPOSITE
- BRAZING

BMC Operational Fields

AUTOMOTIVE

NAUTICAL

AEROSPACE

INDUSTRIAL

RACING





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BMC AIR FILTERS

OEM PERFORMANCE PRODUCTS



AFTERMARKET FILTERS FOR CARS:
OVER 9000 APPLICATIONS

AFTERMARKET FILTERS FOR MOTORCYCLES:
OVER 900 APPLICATIONS

CONICALS
UNIVERSAL FILTERS

DIA
ENTRY LEVEL KIT

CDA
MID-LEVEL KIT

OTA
TOP OF THE RANGE

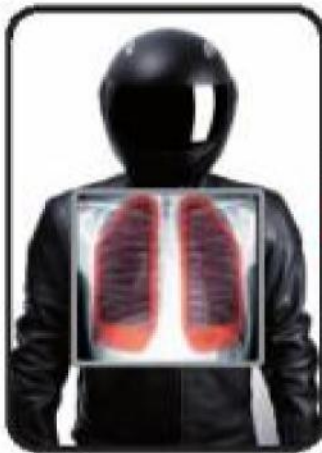
OVER
600
SPECIFIC
PERFORMANCE KITS
APPLICATIONS

2012 BRAND NEW



CPE

UNIVERSAL INTAKE KITS



AIR FILTERS ARE YOUR ENGINES'S LUNGS

EVERY ENGINE HAS ONE

The filter's job is to protect the engine from foreign bodies that can damage it (thus lowering the propulsion efficiency) while still allowing enough air to propel an optimal air/fuel combustion.

14.7:1

STOICHIOMETRIC RATIO

14.7kg of air for every 1kg of petrol

Air is the essential combustion element, thus the greater the amount of air the more efficient the engine will be.

Cleaner air = better carburetion

WHY IS BMC THE BEST AIR FILTER IN THE MARKET?

3 MAIN FEATURES

PERMEABILITY

More Air Less than half Pressure Drop (air pressure difference before and after the filter) over OEMs.

SCREENING

98.5% Filtration efficiency in relation to international standards for filtering (ISO5011).

RETENTION

7 Microns Guaranteed containment of all impurities (OEM paper filters stop at 10).



ENDLESS LIFE

BMC filters can be regenerated with a simple **washing and re-oiling** procedure. You won't have to change it everytime the vehicle is serviced, like the OEM filters, thus reducing wastes for the environment.

HOW IT IS MADE. BMC filters are made of a multi-layered cotton gauze soaked in low viscosity oil and covered with an epoxy coated alloy mesh to ensure protection from petrol fumes and oxidization due to air humidity. The frames are made from a single mould without welded joints, thus avoiding easy breakage ("Full Moulding").

QUALITY. Every stage of the production is carried out in Italy, by italian engineers, using the finest materials. BMC filters also conforms to the international Quality System for Aerospace Industries (EN9100:2005). Besides cars and bikes, they are also used in the aeronautic, marine and industrial sectors.



1. BOOST IT

BMC is the choice of the best sport teams, and by far the most successful filter in every category: **Formula 1** (9 titles), **American Le Mans** (10 titles), **Le Mans 24hours** (11 titles), **DTM** (9 titles), **Superbike** (2 titles), **AMA Superbike** (1 title), **Suzuka 8 hours** (1 title).



2. PROTECT IT

Polluting materials, negatively charged, are separated from the air when it crosses the fabric and captured by the positively charged oil without blocking the air flow. More air, but also more protection for your engine.



3. SAVE MONEY

With a BMC filter you won't have to change (and pay) your filter every time your vehicle is serviced.

