



# PRODUCT KNOWLEDGE

## FUEL PUMP

OUR **HEART** BEATS FOR YOUR ENGINE.

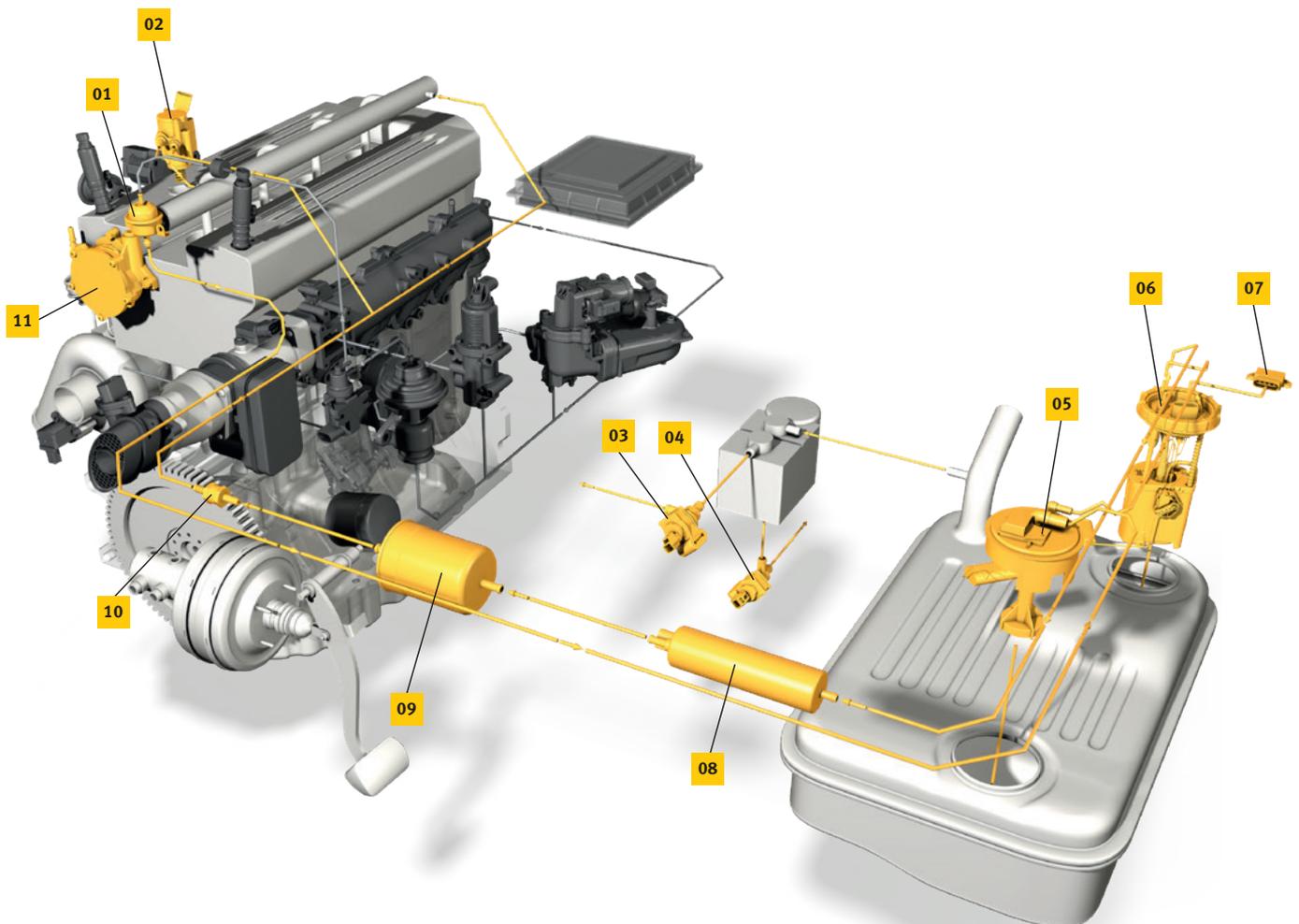
# FUEL SUPPLY

## AN EXTENSIVE PRODUCT RANGE IN TRIED-AND-TESTED QUALITY

From fuel pumps, pump modules, sender units, system-pressure regulators and non-return valves to regeneration valves and ACF valves – Motorservice offers a wide range of components that are indispensable in the fuel system – in tried-and-tested Pierburg quality.

### PRODUCT RANGE

- 01 Fuel pressure regulator
- 02 High-pressure fuel pump
- 03 Activated carbon filter regeneration valve
- 04 Active carbon filter shut-off valve
- 05 Fuel tank sender unit
- 06 Fuel delivery module (in-tank)
- 07 Fuel pump control unit
- 08 Fuel pump (in-line)
- 09 Fuel filter (Kolbenschmidt)
- 10 Fuel check valve
- 11 Tandem pump, fuel/vacuum





## FUEL DELIVERY MODULES

Fuel delivery modules are located in the fuel tank. They consist of the flange cover, the fuel pump in the swirl pot and other possible attachments such as a sender unit or pressure regulator.

In addition to complete fuel delivery modules, Motorservice also has attachments such as sender units, gaskets and service-friendly repair kits in the product range.



## ELECTRIC FUEL PUMPS

Electric fuel pumps deliver the fuel to the injection valves with a defined pressure. They are available both for specific vehicles and for universal use in various pressure and output levels. Inline fuel pumps are situated in the fuel line. In-tank fuel pumps are installed in the fuel tank.

Motorservice is a leading supplier of electric fuel pumps in the aftermarket.



## MECHANICAL FUEL PUMPS

Classic mechanical fuel pumps are often installed in older vehicles. They are driven directly by the engine by means of tappets or levers. Motorservice has included various types for use in older vehicles in its product range.

For FSI, TFSI and TSI engines from VAG, mechanical high-pressure pumps ensure the necessary injection pressure of approx. 120 to 200 bar. Tandem pumps fulfil the function of a mechanical vacuum pump and are also used for the fuel feed.



## FUEL PUMP CONTROL UNITS

The control unit is a part of the demand-based fuel supply in modern engines. This means that, in contrast to unregulated fuel supply, only the required amount of fuel is supplied. This reduces power consumption and saves fuel. In each case, the characteristic curve is specific to the vehicle engine and model.

With our range of 19 control units in OE quality, you can achieve market coverage of over 10 million vehicles.



## FUEL PRESSURE REGULATORS

Fuel pressure regulators are used in petrol engines with fuel injection. They maintain the fuel at the constant pressure necessary for the injection nozzles.



## FUEL CHECK VALVES

Fuel check valves are installed in fuel lines. They allow fuel to flow in one direction only and prevent the fuel tank from draining or lines from running dry.

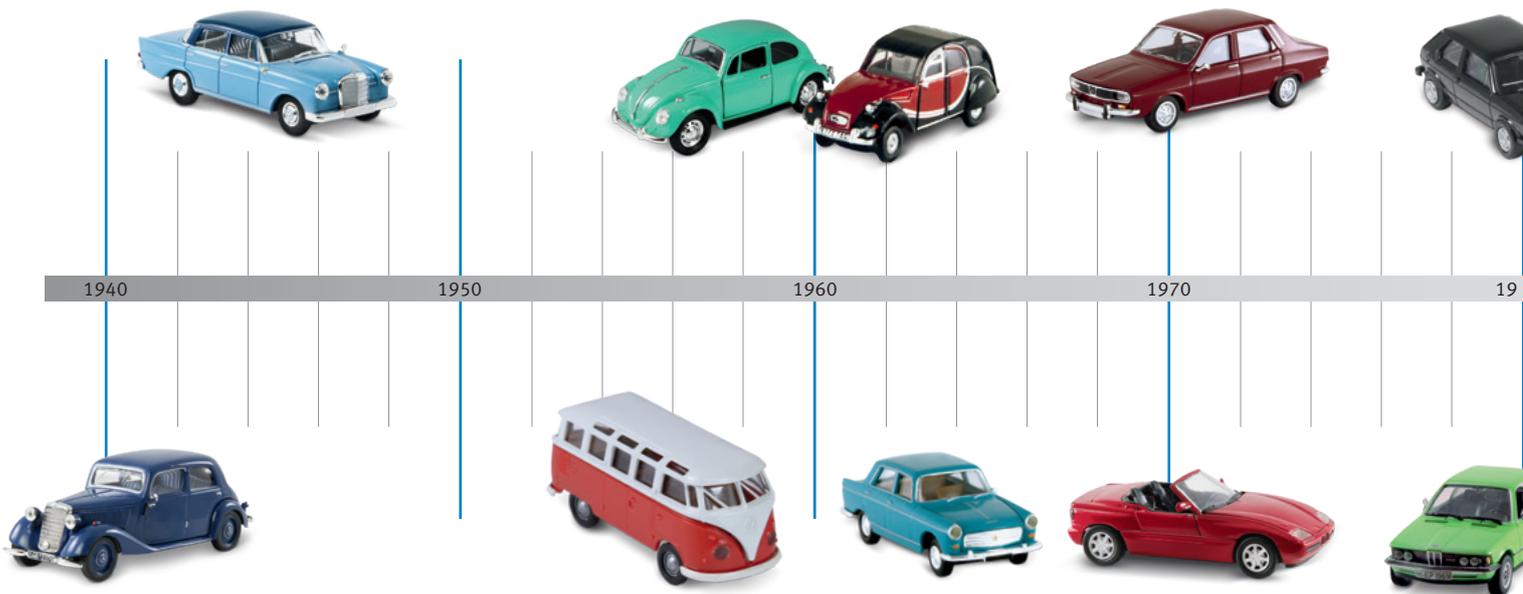
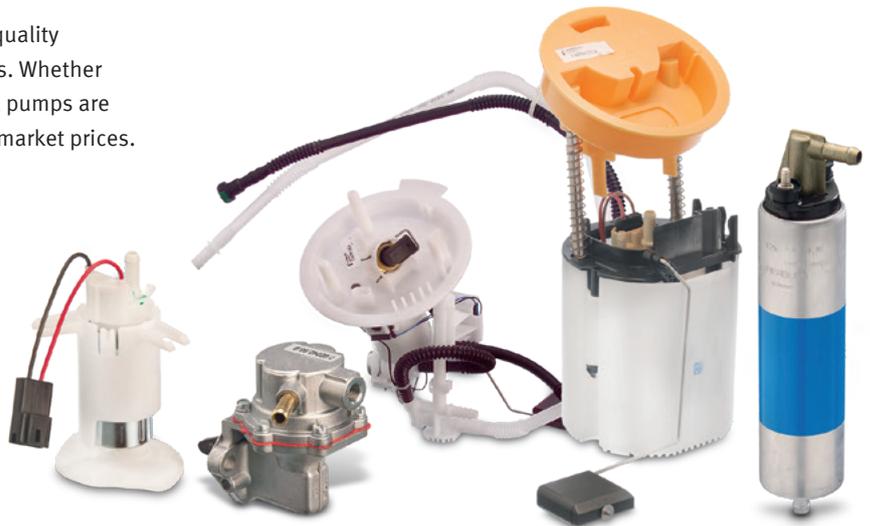
Motorservice offers fuel check valves with connection diameters of 6, 8, 10 and 12 mm.

# FUEL PUMP RANGE

**PIERBURG HAS BEEN A SPECIALIST FOR FUEL SUPPLY COMPONENTS FOR MORE THAN 100 YEARS.**

**This is what long-standing Pierburg customers value most with regard to fuel pumps: A comprehensive range, quality and an ability to supply as well as the expertise and service of an OEM.**

Pierburg fuel pumps have been fulfilling the high quality requirements of vehicle manufacturers for decades. Whether petrol or diesel, mechanical or electrical – our fuel pumps are characterised by quality, high availability and fair market prices.



**QUALITY AND RELIABILITY**

**OE SUPPLIER WITH TRADITION**

**EXPERTISE AND SERVICE**



**The advantages of Pierburg fuel pumps at a glance:**

- For vintage cars, modern-era classic cars and current models
- Universal fuel pumps as a replacement for mechanical fuel pumps in veteran cars which are no longer available
- OE supplier with tradition
- Quality and reliability
- Know-how and service of an OEM

**65 YEARS OF BMW**

- 48 fuel pumps and fuel supply units
- Almost 70 % market coverage

**80 YEARS OF MERCEDES-BENZ VEHICLES**

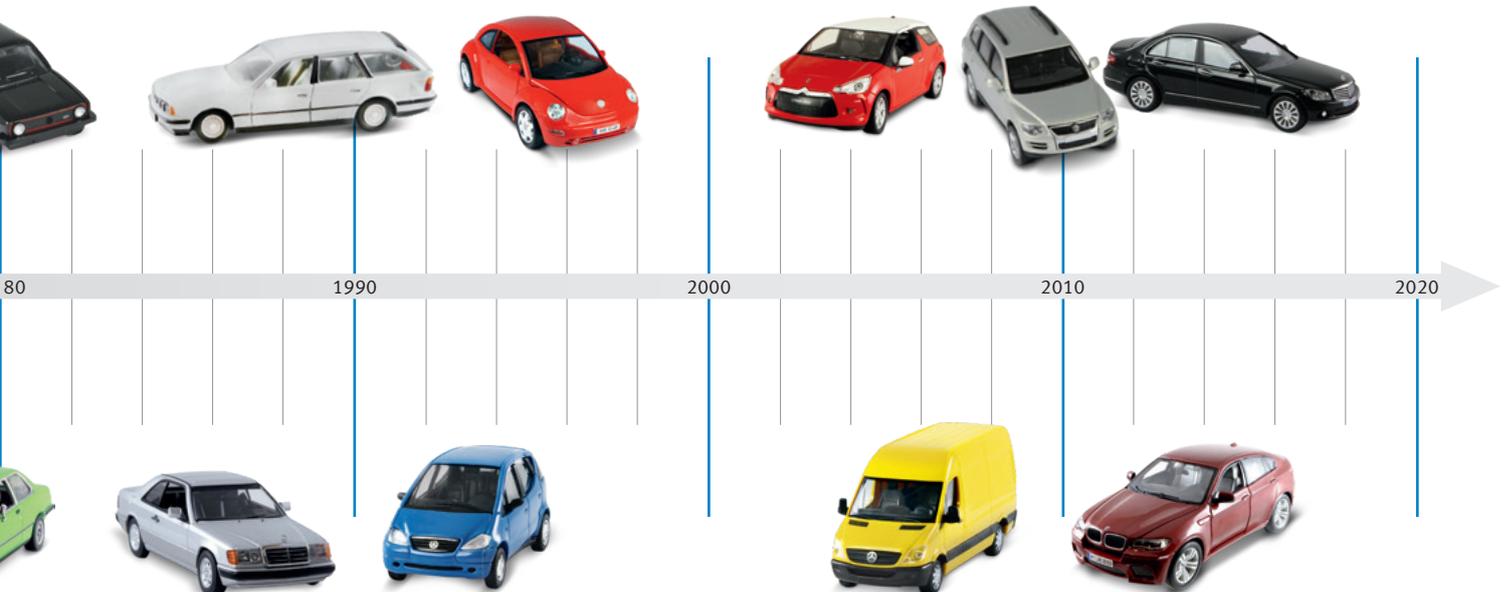
- 52 fuel pumps and fuel supply units
- More than 65% market coverage in some areas

**65 YEARS OF CITROËN, PEUGEOT AND RENAULT**

- 256 fuel pumps and fuel supply units
- Market coverage of almost 80%

**60 YEARS OF VOLKSWAGEN**

- Almost 110 fuel pumps and fuel supply units
- Over 70% market coverage



# KNOW-HOW TRANSFER

## PROFESSIONAL KNOWLEDGE FROM THE EXPERTS

### WORLDWIDE TRAINING

#### Direct from the manufacturer

Each year, around 4,500 mechanics and engineers benefit from our training courses and seminars, which we hold on-site in locations across the world or in our training centres in Neuenstadt, Dormagen and Tamm (Germany).

### TECHNICAL INFORMATION

#### From practical experience for practical use

Our Product Information and Service Information publications, technical brochures and posters keep you at the forefront of the latest technological developments.

### TECHNICAL VIDEOS

#### Knowledge transfer via video

Our videos provide you with useful information on our products, such as hands-on fitting instructions and system descriptions.



### PRODUCTS IN FOCUS ONLINE

#### Our solutions explained clearly

Interactive elements, animations and video clips provide interesting information about our products in and around the engine.

### ONLINESHOP

#### Your direct access to our products

Order at any time. Quick availability check. Extensive product search by engine, vehicle, dimensions etc.

### NEWS

#### Regular information via e-mail

Subscribe online to our free newsletter now and receive regular information about additions to the product range, technical publications and much more.

### INDIVIDUAL INFORMATION

#### Especially for our customers

We provide extensive information and services relating to our wide range of services: e.g. personalised sales-promoting materials, sales support, technical support and much more.



### TECHNIPEDIA

#### Technical information on all aspects of the engine

We share our know-how with you in our Technipedia. You can get professional knowledge direct from experts here.

### MOTORSERVICE APP

#### Access technical know-how on the move

Here, you will find the latest information and services relating to our products quickly and easily.

### SOCIAL MEDIA

#### Always up to date





**HEADQUARTERS:**

**MS Motorservice International GmbH**

Wilhelm-Maybach-Straße 14–18

74196 Neuenstadt, Germany

[www.ms-motorservice.com](http://www.ms-motorservice.com)

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