

## ***Extension to commercial vehicle product range***



### **Extension to Visco® range of fans and couplings for commercial vehicles**

Behr Hella Service has extended its range of OE quality fans and couplings by around 30 products to a total of over 140 products since spring 2011. As it is the exclusive sales partner for Behr Thermal Management products in the independent car and commercial parts trade, Behr Hella Service can supply an extensive Visco® product range. Take advantage of these benefits.

### **Visco® - Fans and couplings with tradition**

An efficient engine cooling system should be quiet, lightweight and not take up too much space - hardly noticeable, but reliable. Not only is a powerful cooler required to dissipate the heat from commercial vehicle and powerful car engines, but so are efficient fans and fan drive units to supply cooling air. Behr, the owner of the Visco® brand, has been supplying particularly powerful Visco® fans for commercial vehicles as standard since 1963, whilst 1965 saw the start of the mass production of Visco® couplings for cars.



### **Technical information**

Powerful Visco® fans consist of a fan wheel and a Visco® coupling. They are used for longitudinal engines, are installed in front of the cooler and are powered by a V-belt or directly by the engine. They are controlled by either a bimetallic element or an electronic component, depending on the ambient temperature.

The Visco® coupling is designed to form a frictional connection to the fan wheel and to influence its speed, dependent on the temperature. If no cooling air is required, the Visco® coupling shuts down and rotates at low speed. The Visco® coupling is actuated by a bimetallic element which is exposed to the ambient temperature. A thrust pin clears a borehole, which allows silicon oil to flow from the storage chamber into the working chamber. In this chamber, zero-wear liquid friction is used to transfer the drive torque to the fan wheel, whose speed is adjusted infinitely in line with the operating conditions.

The electronically actuated Visco® coupling (see photograph) is controlled directly by sensors. A controller processes the values and a clocked control current forwards them to the integral electromagnets. The defined magnetic field regulates the valve that controls the internal oil flow using an armature. An additional sensor for the fan speed completes the control circuit, thus increasing the dynamic response for activating and deactivating the fan. The needs-based control of the currents of cooling air minimises both noise development and the power requirement, thus reducing fuel consumption and pollution.

## Product overview - Range extension

| Part Number            | Description      | Manufacturer and model                    | OE numbers *   |
|------------------------|------------------|---|--|
| <b>8MV 376 758-231</b> | Visco® fan wheel | EVOBUS                                    | <b>A0005000364</b>   |
| <b>8MV 376 757-631</b> | Fan coupling     | IVECO EUROCARGO                           | <b>504029738</b>   |
| <b>8MV 376 758-271</b> | Fan wheel        | IVECO EUROSTAR/EUROTRAKKER                | <b>504026023</b>   |
| <b>8MV 376 757-731</b> | Fan wheel        | MAN                                       | <b>51066010266</b>   |
| <b>8MV 376 757-681</b> | Fan coupling     | MAN                                       | <b>51066300071</b>   |
| <b>8MV 376 758-561</b> | Fan wheel        | MAN F2000                                 | <b>51066010263</b>   |
| <b>8MV 376 758-551</b> | Fan coupling     | MAN F2000                                 | <b>51066300065</b><br><b>51066300060</b>                       |
| <b>8MV 376 758-541</b> | Fan coupling     | MAN F2000                                 | <b>51066300093</b><br><b>51066300112</b>                       |
| <b>8MV 376 757-671</b> | Fan coupling     | MAN M 90 26.270                           | <b>51066300067</b>   |
| <b>8MV 376 758-571</b> | Fan wheel        | MAN TGA                                   | <b>51066010268</b>   |
| <b>8MV 376 757-721</b> | Fan wheel        | MAN TGA                                   | <b>51066010275</b>   |
| <b>8MV 376 758-531</b> | Fan coupling     | MAN TGA                                   | <b>51066300087</b>   |
| <b>8MV 376 757-661</b> | Fan coupling     | MAN TGA                                   | <b>51066300106</b>   |
| <b>8MV 376 758-511</b> | Fan coupling     | MAN TGA                                   | <b>51066300073</b><br><b>51066300077</b>                       |
| <b>8MV 376 758-471</b> | Fan coupling     | MAN TGA                                   | <b>51066300076</b><br><b>51066300108</b><br><b>51066300115</b> |
| <b>8MV 376 758-491</b> | Fan coupling     | MAN TGA                                   | <b>51066300086</b><br><b>51066300110</b><br><b>51066300116</b> |
| <b>8MV 376 758-481</b> | Fan coupling     | MAN TGS/TGX                               | <b>51066300094</b><br><b>51066300113</b><br><b>51066300117</b> |
| <b>8MV 376 757-741</b> | Fan wheel        | MERCEDES BENZ ATEGO                       | <b>A9042050406</b>   |
| <b>8MV 376 757-701</b> | Fan coupling     | MERCEDES BENZ AXOR/ATEGO                  | <b>A9062000922</b>   |
| <b>8MV 376 757-751</b> | Fan wheel        | MERCEDES BENZ AXOR/ATEGO                  | <b>A9062050806</b>   |
| <b>8MV 376 758-451</b> | Fan coupling     | MERCEDES BENZ ACTROS                      | <b>A0002004422</b><br><b>A0002008822</b>                       |
| <b>8MV 376 758-251</b> | Visco® fan wheel | MERCEDES BENZ ATEGO (OM926 LA, OM 906 LA) | <b>A9062050906</b>   |
| <b>8MV 376 758-461</b> | Fan coupling     | MERCEDES BENZ AXOR/AXOR 2                 | <b>A0002009022</b><br><b>A0002009322</b>                       |
| <b>8MV 376 757-761</b> | Visco® fan wheel | RENAULT MIDLUM                            | <b>5010619626</b>  |
| <b>8MV 376 757-791</b> | Visco® fan wheel | RENAULT KERAX                             | <b>5010514839</b>  |
| <b>8MV 376 757-781</b> | Visco® fan wheel | RENAULT MAGNUM                            | <b>5010315733</b>  |
| <b>8MV 376 757-771</b> | Visco® fan wheel | RENAULT PREMIUM                           | <b>5010315557</b>  |
| <b>8MV 376 758-281</b> | Visco® fan       | SCANIA P,G,R,T                            | <b>1776854</b><br><b>2006531</b>                               |

\* OE numbers are for comparison purposes only

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Please also refer to information from Behr Hella Service catalogues, TecDoc and information from the manufacturer for further details. This list is not exhaustive and may contain errors.