

Press Release

METELLI'S SWITCHABLE WATER PUMP AN ABSOLUTE INNOVATION FOR THE AFTERMARKET

**Metelli introduces an innovative, highly technological solution that ensures functioning even in heavy-duty operating conditions.
A reliable and durable water pump.**

Cologne (Italy), 17 June 2013 – After presenting the switchable water pump at the last edition of *Automechanika*, Metelli Co. has introduced this innovative model in the range of products they offer, confirming the Group's leading role in the aftermarket sector. Metelli is the first company to launch this kind of product onto the market. The switchable water pump is a real novelty in the automotive spare parts industry.

The SWITCHABLE WATER PUMP, the result of Metelli's constant research and development, is a perfect blend of technology and innovation. Its main feature is the **pneumatically actuated gate valve, which makes it possible to interrupt the flow of cooling liquid in the circuit at any time.**

The gate valve is actuated by inducing a depression in the 'vacuum chamber'. The movement of the membrane enables the valve gate to shift axially, **separating the pump's volute from the volume around the impeller.** The vacuum chamber is separated from the fluid by three membranes (instead of the traditional lip seals), **which ensure the proper functioning of the mechanism, even in heavy-duty operating conditions.**

The use of membranes as static seals makes the water pump **extremely reliable:** they compensate for the friction-related lip-seal wear caused by movement of the shaft. The presence of metallic particles in the cooling system circuit significantly increases the likelihood of deterioration of the surface of the lip seal in contact with the shaft.

In addition, if the pneumatic circuit is damaged or the spring yields, **fail-safe function of the Metelli pump is guaranteed** by a mechanism that exploits the pressure exerted by the coolant on the fluid-side walls of the membranes.

Metelli's **switchable water pump (code 24-1167/PA1167/101167)** has been designed for several **different vehicle models**, including *AUDI (A1, A3), SEAT (Altea, Altea XL, Ibiza, Leon), SKODA (LCV Fabia, Octavia, Roomster, Yeti), and VOLKSWAGEN (LCV Golf, Golf Plus, Jetta, Maggiolino, Polo, Touran, Caddy.)*

The introduction of this innovative product on the market further increases **Metelli's competitiveness, confirming its role as major reference point for professionals and workers in the automotive field** and its **responsiveness to the constant evolution** and modernization of the motor vehicle industry.

www.metellispa.it

METELLI PRESS OFFICE
Soluzione Group Srl - Via F. Lana, 1
25020 Flero (BS) Italy
T. +39 (0)30.3539159 - F. +39 (0)30.3582476
Laura Pedrali - pedrali@soluzionegroup.com