FAE

WE DEVELOP CUSTOMIZED ELECTRONIC SENSOR SOLUTIONS

AUXILIARY WATER PUMP

COOLING WATER CIRCUIT

+30 PART NUMBERS | **+8k** APPLICATIONS | **+160M** VIO

50023

50005

50021

Auxiliary electric water pumps ensure coolant circulation in critical areas of the vehicle, even when the engine is off. Their independent operation maintains flow in start-stop systems, at idle, or after the engine is shut down.

They are essential in turbocharged, hybrid, and electric vehicles, as they manage the temperature of sensitive components such as the inverter or batteries, adjusting flow according to thermal demand.

Motor housing
Encloses the electric motor, protecting and aligning internal components.

Seal
Sealing element that prevents leaks between the pump's internal chambers.

Housing
Main structure that integrates and protects the entire functional assembly of the pump.

Connector
Electrical connection point between the pump and the vehicle's control system.

Cover
Outer element that protects the electronic assembly and facilitates connector mounting.

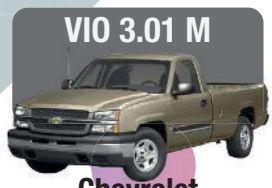
Circuit board
Electronic module that controls motor operation and signal management.

Damper
Absorbs vibrations and noise during operation, enhancing durability.

Rotor
Rotating part of the motor that, together with the stator, generates motion.

Turbine
Drives the coolant through the system, generating the necessary flow.

Ref. 50005
VIO 3.01 M



Chevrolet
Silverado 5.3

Ref. 50022
VIO 0.61 M

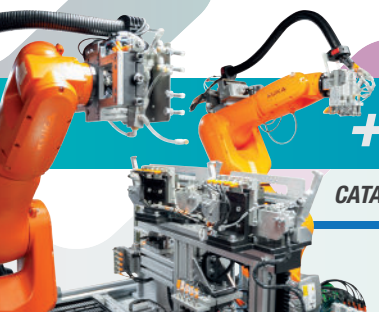
Volkswagen
Jetta IV 2.5

Ref. 50019
VIO 0.55 M

Volkswagen
Bora I 2.0

Ref. 50003
VIO 0.46 M

Volkswagen
Tiguan 2.0 TDI 4motion



Warning: Improper bleeding during or after replacement may lead to air pockets that disrupt coolant flow and cause thermal failures.

+11 CATALOGUES | **+70** YEARS | **+180M²** ESD ROOM | **+1000M²** CLEAN ROOM | **+5.000** PART NUMBERS | **+12.000M²** BARCELONA

TecDoc Catalogue
https://web.tecalliance.net/fae
+34 932 618 500
fae@fae.es
www.fae.es