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Industrie Service

Certificate No. **VR2 – 1907 – 159 EU**

The TÜV SÜD Industrie Service GmbH, test body for vapor recovery systems,
Westendstr. 199, D-80686 Munich,

certifies having conducted tests according to EN 16321-1
on the following petrol vapour recovery system:

Type of system:	***Active, distributed system with electronic proportional valve***
Nozzle:	**OPW 21**
Hose assembly:	**ELAFLEX Slimline 21/8**
Proportional valve:	**Veeder-Root EPV 10**
Control board	**Gilbarco Veeder-Root VRC 390**
Vapour recovery pump:	**Dürr MEX 0544**

Conditions for installation and operation:
Requirements to ensure system performance in use

Maximum volumetric fuel-flow rate:	**38** l/min
Maximum back pressure in petrol vapour pump outlet line with maximum vapour flow:	**50** mbar
Correction factor for system settings with simulated petrol-flow of 38 l/min.:	**1,12**
Measured efficiency:	**89 %**
Required efficiency by Directive 2009/126/EC	*85 %*

Average result of each test tank:

VW Golf VI: **86,5 %** VW Polo V: **88,2 %** Renault Megane 3: **91,7 %**

Based on ID: "Efficiency 1907 OPW Type 21", "System 1907 - 159 EU"
The vapour recovery system corresponds to the state of the art as defined in the
"Directive 2009/126/EC" last amended by "Directive 2014/99/EU".

Germany, Munich, 18/11/2019

Valid for Installation until
17/11/2021

TÜV SÜD Industrie Service GmbH
TÜV SÜD rubber stamp

Test Body for Vapor Recovery Systems
Peter Szalata

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