



Industrie Service

Certificate No. **VR2 – 1401– 141 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:	<b>Active, distributed system with mechanical proportional valve</b>
Nozzle:	<b>ELAFLEX ZVA Slimline 2 GRVP</b>
Hose assembly:	<b>ELAFLEX Slimline 21/8</b>
Proportional valve:	<b>ELAFLEX GRVP</b> mechanical valve integrated into the nozzle
Vapour recovery pump:	<b>Gardner Denver Thomas, 8014-6.0</b>

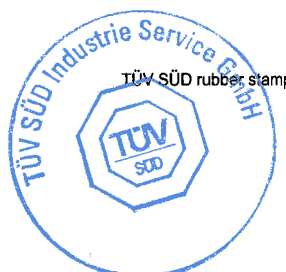
Conditions for installation and operation:  
*Requirements to ensure system performance in use*

Maximum volumetric fuel-flow rate:	<b>40 l/min</b>
Maximum back pressure in petrol vapour pump outlet line with maximum vapour flow:	<b>50 mbar</b>
Correction factor for system settings with simulated petrol-flow of 38 l/min.:	<b>1,13</b>
Measured efficiency:	<b>89 %</b>
<i>Required efficiency by Directive 2009/126/EC</i>	<b>85 %</b>
Average result of each test tank:	
VW Golf VI:	<b>88,4 %</b>
VW Polo V:	<b>88,2 %</b>
Renault Megane 3:	<b>90,9 %</b>

Based on ID: "Efficiency 1401 Slimline 2", "System 1401 - 141 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    17/07/2017  
Expiration date    16/07/2019



Test Body for Vapor Recovery Systems

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12.07.2017  
10936  
EQ2774064