



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: **Active, distributed system with mechanical proportional valve**
Nozzle: **ELAFLEX ZVA Slimline 2 GRVP**
Hose assembly: **ELAFLEX Slimline 21/8 / ELAFLEX Conti Slimline 21/8**
Proportional valve: **ELAFLEX GRVP** mechanical valve integrated into the nozzle
Vapour recovery pump: **Gardner Denver Thomas, 8014-6.0**

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

Maximum volumetric fuel-flow rate:	40 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.:	1,13
Measured efficiency:	89 %
<i>Required efficiency by Directive 2009/126/EC</i>	85 %
Average result of each test tank:	
VW Golf VI: 88,4 %	VW Polo V: 88,2 %
	Renault Megane 3: 90,9 %
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 12/07/2019

Valid for installation until
11/07/2021



Test Body for Vapor Recovery Systems

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