



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
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 17/07/2017
Expiration date 16/07/2019



Test Body for Vapor Recovery Systems

Peter Szalata
Peter Szalata

