

Certificate No. 85 A/L 2.2



Industrie Service

The TÜV SÜD Test Body for Vapour Recovery Systems, Westendstr. 199, D- 80686 Munich, certifies having conducted tests as specified in the following code:

„Measurement and test methods for the assessment of vapour recovery systems on filling stations – VDI 4205“

on the following vapour recovery system:

- Fuel –hose nozzle: **ELAFLEX ZVA 200 GRV3 / ELAFLEX ZVA SLIMLINE 2 GRV3**
- Hose: **ELAFLEX Conti Slimline 21/8 Coax**
- A / L regulator valve¹: **ASCO, Type EMXX with control board: "Tokheim SAS" Type ECVR – SCS – self calibrating**
- Vapour valve²: **ELAFLEX GRV3** is attached to the fuel hose nozzle
- Vapour recovery pump: **Dürr, MEX 0831-10 / MEX 0831-11 / MEX 0544**

Test results:

- A / L **99,4 %** at volumetric fuel-flow rate 40l/min
 Proportionality in case of lower volume rates is within the allowed range as defined in the code (VDI 4205-4)
- Average Efficiency³ **95,4 %**

The following general conditions must be observed during installation:

- Maximum volumetric fuel-flow rate: **40** l / min
- Maximum counter pressure in recovery line: **50** mbar
- Correction coefficient for system settings with air: **Not necessary**

Germany
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The officially authorized expert

Peter Szalata
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¹ Regulates air (vapour) to liquid ratio

² opens the vapour path during liquid flow

³According to VDI 4205 in normal and 45° position using VW Polo as reference car under realistic fuelling conditions.