

Certificate no. Ü-12.7

Issued for an automatic monitoring system

The TÜV Süd, Test Body for Vapour Recovery Systems, Industry Service GmbH, Westendstr. 199, D-80686 Munich, hereby certifies testing of an automatic monitoring device for active vapour recovery systems at petrol stations as per Article 3 (5) of the 21st Regulation on Air-Pollution Control (Bundesimmissionsschutzverordnung, BImSchV)

- Type designation: **VAPORIX-system including pulse correction module (PCM)¹**

Manufacturer: **FAFNIR GmbH**
Bahrenfelder Straße 19; D - 22765 Hamburg

- System components:
Gas flow sensor: **VAPORIX – Flow** calorimetric flow sensor installed in the vapour recovery pipe in front of the vapour recovery pump or the control valve

Operating electronics: **VAPORIX - Control** analyses and evaluates the gas flow, generates alarm and shutoff signals

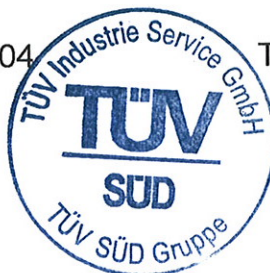
Correction Module: **VAPORIX - PCM** generates corrected pulses for vapour recovery control

- Applicability : Application is possible where **VAPORIX-system** is used only to obtain measurement results and evaluation re 21.BImSchV is carried out by a site controller².

Tests showed that the requirements outlined in the 21st BImSchV, Article 3 (5), and Code of Practice 1, Part II (Testing of automatic monitoring devices in active vapour recovery systems) have been satisfied

This automatic monitoring device for active vapour recovery systems is suitable for fitting onto new and existing fuel pumps. It also allows for monitoring of different makes or types of fuel pumps.

Munich, October 6, 2004



The officially authorized expert

Peter Szalata
Peter Szalata

¹ The PCM does not affect application of dry measurement as per VDI 4205, sheet 3. If wet measurement as per VDI 4205, sheet 2 is applied, the PCM must be deactivated by means of the Fafnir dongle.

² A valid certificate for the site controller must be available.