
**Inlet air cleaning equipment for
internal combustion engines and
compressors — Performance testing**
AMENDMENT 1

*Séparateurs aérauliques placés à l'entrée des moteurs à combustion
interne et des compresseurs — Détermination des performances*
AMENDEMENT 1

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This document was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 7, *Injection equipment and filters for use on road vehicles*.

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Annex A

Replace the first paragraph with the following:

When differential pressure across an separator has been measured ($\rho_2 - \rho_1$ in Table A.1), any difference in the cross-sectional area of the ducts at the upstream and downstream pressure tapping points shall be taken into account in determining the pressure loss across the separator. The pressure loss, $\Delta \rho_1$, across the separator is given by the Formula (A.1):

Replace Formula (A.2) with this formula:

$$\Delta \rho_c = \frac{\rho_2 \cdot v_2^2}{2} - \frac{\rho_1 \cdot v_1^2}{2} \tag{A.2}$$

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Add ρ_1 and ρ_2 to formula definitions

- ρ_1 is the density of the air at the upstream pressure tapping point;
- ρ_2 is the density of the air at the downstream pressure tapping point;

Table A.1

Revise Pressure Loss formula in table

Pressure loss	$\Delta \rho_1 = \Delta \rho_r - \rho_{dyn}$ $= \rho_2 - \frac{\rho_2 \cdot v_2^2}{2}$		
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