

Voith Turbo fluid couplings for potentially explosive atmospheres



Already today the constant fill Voith Turbo fluid couplings (turbo couplings) meet the requirements of the Explosion Protection Directive 94/9/EG applicable EU-wide as of 2003-07-01.

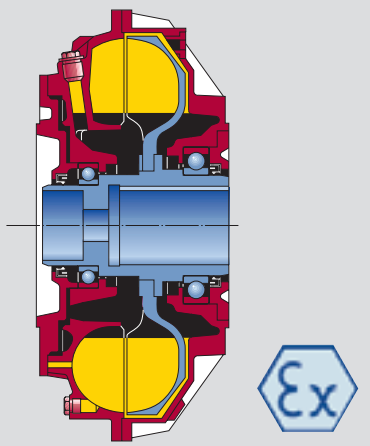
On the 23 March 1994 the European Parliament and the Council of the European Union issued the Directive 94/9/EG to approximate the Member States' legal provisions for equipment and protective systems for proper use in potentially explosive atmospheres.

This Directive applies to equipment and protective systems for proper use in potentially explosive atmospheres and to safety, monitoring and control devices outside explo-

sive atmospheres, but which are required for safe operation of explosion-proof equipment and protective systems or contribute to it. The equipment is classified in equipment groups and categories.

The European Standard prEN 13463 (Draft 1999) specifies the requirements for the design, construction, inspection and identification of non-electrical equipment for use in potentially explosive atmospheres.

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Suitability of constant fill Voith Turbo fluid couplings for use in potentially explosive atmospheres has been verified according to the required specifications in this Standard and have been deposited at the official authority (DMT), explosion risk analysis, inspections, construction and design data.

The constant fill Voith Turbo fluid couplings to be delivered according to Directive 94/9/EG are to be marked clearly visible, legible and inextinguishable with the manufacturer, coupling serial number, coupling type and relevant CE and Ex identification.

On delivery these couplings are provided with a special operating manual showing the exact identification.

The Voith Turbo fluid couplings with constant fill meets the explosion protection requirements of **Equipment Group I.**

Equipment Category M2:

Equipment for use in underground and openpit systems with the potential risk of firedamp (mine gas) and/or combustible dusts.

Equipment Group II:

Equipment for other potentially explosive atmospheres (industry).

Equipment Category 2G/D:

Occasionally existing gases, vapors, dusts.

Equipment Category 3G/D:

Rarely/temporarily existing gases, vapors, dusts.

Thus the Start-up Components sector is already now excellently prepared to meet the explosion protection requirements with its constant fill turbo couplings.

VOITH
Engineered reliability.