

## ATEX / IECEX Coil Offering

*Global Marketing Update No. 145-0109, January 5, 2009*

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This Global Marketing Update (GMU) supersedes GMU No. 133-0107.

Parker Fluid Control Division is pleased to announce the addition of several new ATEX coils designed for explosive atmospheres to comply with European directive 94/9/EC and standards IEC / EN 60079 for gases and IEC / EN 61241 for dust. Coil marking complies with the updated standards. Declaration of Conformity documents for specific part numbers are provided with the electrical product and also provided upon request.

### **Background:**

The ATEX directive is a European initiative undertaken to ensure the safety of products used in potentially explosive atmospheres. It is a European mandate that all products that could provide ignition to a potentially explosive atmosphere be produced to specific requirements, under controlled conditions, by a manufacturer certified compliant to the directive by an independent notification body. Certification requires approval of the entire quality management system to the requirements of ISO 9001 with additional requirements imposed for product verifications, testing and records thereof.

The International Electrotechnical Commission (IEC) is the global organization overseeing the development of international standards for electrical, electronic & related technologies. The IECEX scheme provides a means of International Certification for manufacturers of electrical equipment intended for explosive atmospheres thereby eliminating the need for multiple national certifications in all participating countries. Any recognized certified body can provide a product Certificate of Conformity stating the product design conforms to the relevant IEC standards and the product is manufactured under a quality plan assessed by an accepted certification body. The IECEX scheme is adopting the ATEX principles and this scheme is becoming internationally accepted.

Within North America, UL is the only U.S. accepted certification body (ACB) and an Ex Assessment & Testing Lab (ExTL) under the IECEX scheme. The United States has recently integrated both the zone and division system requirements into their respective installation codes. Specifically for the U.S., the 1996 National Electric Code Article 505 (NEC).













The Canadian Standards Association (CSA) has implemented the IEC system. All new installations follow the three-zone area classification while following the two-division system for existing facilities. To reflect the new system, CSA E79 covers the IEC based standards.

The introduction of zones area classifications in North America as an accepted alternative to divisions sees the introduction of the IECEX scheme and its continued acceptance on a global basis.

The European ATEX and global IECEX standards apply to hazardous environments from intrinsically safe apparatus to flameproof control systems to increased safety requirements.

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The following is current information as it relates to ATEX EXPLOSION PROOF RATED Coils.

<b>Coil Code</b>	<b>Wattage/Cable Length</b>	<b>Protection/Temp. Class</b>	<b>Marking</b>	<b>Certificate of Conformity</b>
HZ04C2	2w/3000mm	Ex mb II T6 tD A21 IP67 T80°C	CE <sub>0344</sub>  II 2 G/D	LCIE 02 ATEX 6019 X IECEX LCI 08.0026 X
HZ09	10w/3000mm	EEx d IIC T4/T5 -40°C +65°C/+40°C	CE <sub>0344</sub>  II 2 G/D	LCIE 02 ATEX 6009 X
HZ10	10w/3000mm	Ex mb II T4 / T5 tD A21 IP65 T130°C / 95°C	CE <sub>0344</sub>  II 2 G/D	LCIE 02 ATEX 6020 X IECEX LCI 08.0027 X
HZ11	22w/3000mm	Ex mb II T4 / T5 tD A21 IP65 T130°C / 95°C	CE <sub>0344</sub>  II 2 G/D	LCIE 02 ATEX 6020 X IECEX LCI 08.0027 X
HZ12	1.5w/3000mm	Ex mb II T6 tD A21 IP65 T80°C	CE <sub>0344</sub>  II 2 G/D	LCIE 02 ATEX 6021 X IECEX LCI 08.0028 X
HZ13	0.6w/3000mm	Ex mb II T6 tD A21 IP65 T80°C	CE <sub>0344</sub>  II 2 G/D	LCIE 02 ATEX 6021 X IECEX LCI 08.0028 X
VZ03	11w(AC), 9w(DC) / screw terminal	Ex e mb II T3/T4/T5/T6 tD A21 IP66 T195°C / 130°C / 95°C / 80°C	CE <sub>0081</sub>  II 2 G/D	LCIE 02 ATEX 6023 X IECEX LCI 06.0011 X
495900 (HZ95)	3w /screw terminal Applicable for lower power valve designs	Ex d mb IIC T4 tD A21 IP67 T130°C	CE <sub>0081</sub>  II 2 G/D	LCIE 03 ATEX 6451 X IECEX LCI 06.0004X
495905 (HZ96)	9w /screw terminal	Ex d mb IIC T4 tD A21 IP67 T130°C	CE <sub>0081</sub>  II 2 G/D	LCIE 03 ATEX 6451 X IECEX LCI 06.0004X
496555	6w /screw terminal Applicable for lower power valve designs	Ex d mb IIC T4 tD A21 IP67 T130°C	CE <sub>0081</sub>  II 2 G/D	LCIE 07 ATEX 6075 X IECEX LCI 07.0014 X
496560	9w /screw terminal	Ex d mb IIC T4 tD A21 IP67 T130°C	CE <sub>0081</sub>  II 2 G/D	LCIE 07 ATEX 6075 X IECEX LCI 07.0014 X
483270	8w /screw terminal	Ex d II T4 to T6 tD A21 IP65 T130°C / 80°C	CE <sub>0081</sub>  II 2 G/D	LCIE 07 ATEX 6008 X IECEX - Pending