





INSTITUTE OF POWER ENGINEERING  
Research Institute  
THERMAL PROCESSES DEPARTMENT OF "IPE" in Łódź  
93-208 Łódź, ul Dąbrowskiego 113  
[www.itc.edu.pl](http://www.itc.edu.pl) E-mail: [itc@itc.edu.pl](mailto:itc@itc.edu.pl)

CERTIFICATE No. 343

Hot Water Boiler of PER-EKO KSW type  
Series of types: 9 ÷ 30 kW

manufactured by:

**PER-EKO sp. z o.o.**  
**ul. Radomska 29**  
**27-200 Starachowice**

was examined by:

Laboratory for the Examination of Boilers, Turbines, Heating and  
Dust-Separating Facilities and of Particulate and Gas Emission  
Boilers and Heating Devices Division  
at the Institute of Power Engineering in Warsaw  
Thermal Processes Department of "IPE" in Łódź  
accredited by the Polish Centre for Accreditation  
- (certificate No. AB 048)

to determine its conformity with the energy efficiency requirements posed by Polish standards and regulations:

**Research procedure No. 2/K-1, PN-EN 303-5:2002, PN-G-97001:1982**

The device complies with the requirements concerning:

**safe operation, the 3<sup>rd</sup> class of thermal efficiency and the 1<sup>st</sup> class of emission.**

Additional reservations:

The boilers may be used exclusively in open-vented central-heating system installations, protected in compliance with the requirements of PN-91/B-02413.

The certificate expires as of **5th May 2014.**

Director  
of  
the Thermal Processes Department of "IPE" in Łódź

Deputy Director  
of  
the Thermal Processes Department of "IPE"  
at the Institute of Power Engineering in Łódź

dr inż. JACEK KARCZEWSKI [Ph.D. Eng.]

Łódź, 6<sup>th</sup> May 2009