

WEELABEX Organisation - OFFICIAL STATEMENT	
Issue ID:	2016_003
Issue Category:	Conformity Verification scope Specific depollution requirements
Issue Name:	Electric hot water boilers/heaters
Issue Description:	<ol style="list-style-type: none"> 1. Are the electric hot water boilers/heaters within the scope of WEELABEX conformity verification process? 2. To which treatment stream do electric hot water boilers/heaters belong? 3. Is it allowed to do treatment of electric hot water boilers/heaters without removal and proper treatment of VFC/VHC blowing agent? 4. What are the applicable specific requirements for treatment of electric hot water boilers/heaters? 5. Are there any examples?
WEELABEX Organisation Statement	<p>Ad 1. Electric hot water boilers/heaters are in scope of WEELABEX conformity verification process.</p> <p>Ad 2. Electric hot water boilers/heaters belong to the WEELABEX treatment stream “Temperature exchange equipment” or may be included in the “Large appliances”. <i>Note: The requirements of national / local legislation must be respected as a priority.</i></p> <p>Ad 3. A treatment of electric hot water boilers/heaters shall include removal and proper treatment of:</p> <ul style="list-style-type: none"> - the insulation PU foam containing chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC), hydrofluorocarbons (HFC), hydrocarbons (HC) (hereinafter VFC/VHC). <p>Ad 4. The following specific requirements are applicable for treatment of electric hot water boilers/heaters (based on the EN 50625-1 clause A.7, EN 50625-2-3 and related CLC/TS 50625-3-4):</p> <ul style="list-style-type: none"> - Mechanical removal of the insulating PU foam and the removal and capturing of the blowing agent from the PU foam shall be carried out in an encapsulated system <i>(it means at a treatment operator that is WEELABEX certified for the Temperature exchange equipment STEP 2 process).</i> - Manual removal of PU foam is allowed. During the manual removal process, care shall be taken to minimize the emission of blowing agents from the PU foam. The removed PU foam shall be sent to a facility authorised for this purpose that ensures that the VFC and VHC are removed and captured <i>(it means a treatment operator that is WEELABEX certified for the TEE STEP 2 process).</i> - <i>In addition, appropriate measures shall be taken to minimise the emission of blowing agents during storage, handling and transport of both, boilers and the PU foam removed.</i>

	<p>Ad 5. Clarifications and Examples:</p> <ul style="list-style-type: none"> - <i>It shall not be allowed to send the PU foam (containing VFC/VHC) to a cement kiln for thermal destruction or energy recovery, or to any other incineration facility for direct thermal destruction/energy recovery.</i> - <i>In general, the only acceptable solution is to treat the PU foam in an encapsulated system to capture the blowing agents (this means that the whole boilers or manually removed PU foam must be sent to a WEEELABEX certified TEE treatment operator for proper depollution in a specialised STEP 2 technology).</i>
Date of Issue / Date of revision:	12th June 2016 / 09th April 2024 (defrev_04)
Come into effect:	For each General and Surveillance audit
Status of the Statement:	Final Statement - defrev_04