





It came to our attention that customers are using our standard particle absorbers (Brand names: MB-PA-50-I/II, MB-PA-60, MB-PA-120, MB-PA-300 I/II, MB-PA-600-I/II) for removal of pyrophoric materials, as they are generated for example during welding of Aluminium or Titanium inside inert gas glove boxes.

Our standard systems are not designed to remove any materials that may burn or explode when exposed to the ambient atmosphere.

**MBRAUN** offers a specific product line for the removal of pyrophoric dust particles from an inert gas glove box. These products are labelled with the suffix –Ti.

If you are operating any **MBRAUN** Particle Absorber for the removal of pyrophoric materials please contact the **MBRAUN** Service department immediately for an update on the user manual. Please note in particular the following safety warnings.

	<p><b>COMBUSTION SOURCE:</b>            Certain dust particles, such as Titanium, can ignite when exposed to ambient air, due to the oxygen content. Do not perform any maintenance, if there is any doubt concerning the type of dust collected on the filter or in the dust reservoir, until a safety analysis has been completed and the required proper training has been given. Consult <b>MBRAUN</b> service for further details.</p>
	<p><b>COMBUSTION SOURCE:</b>            Pyrophoric Materials (i.e. Materials that spontaneously burn on air) have to be disposed on a regular basis following the routine outlined in this chapter and chapter 10.4 of this manual, before to much of the pyrophoric material has been assembled inside the dust reservoir. <b>MBRAUN</b> recommends to limit the maximum amount of any pyrophoric material inside the dust reservoir to less than 50 g.</p>
	<p><b>FIRE FIGHTING:</b>            Please note that water can not be used as a fire fighting material to rescue any fires generated with pyrophoric metallic particles. Please refer to the MSD UN-No. 2546 for further details.</p>
	<p><b>BOX OUT HEPA FILTER:</b>            Please note that even if you are using a particle absorber at the point of generation of the pyrophoric dust, some of the dust particles may end in the box HEPA filter at the “gas exit” of the glove box. This implies that special precaution is necessary when you exchange these filters, and in particular for removing this “box out” HEPA filter from the glove box. Please contact the <b>MBRAUN</b> service department for an updated working instruction how to exchange the “box out” HEPA filter if they may be contaminated with pyrophoric, toxic or otherwise dangerous materials.</p>