

## UV and weathering resistance

Plastics used by HLU, such as PE(s), PE-el, PP(s), PPs-el, PVC, PVDF, GfK, CfK are characterised by excellent weather resistance and UV stabilization.

HLU-products made of the mentioned materials are designed for a high durability under harsh conditions with highly corrosive, toxic and in some cases inflammable media. Plastic materials are also absolutely resistant to rain, moisture and seawater. The material thickness is selected to withstand any ageing phenomena on the surface caused by ultraviolet radiation.

For most plastic installations, the lifetime for outdoor installation in the European climate is beyond 20 years. In regions with very high year-round UV radiation (deserts, drylands), we will gladly check the specific case to meet the requirements for chemical and weather resistance.

Depending on the application, the necessary metal parts are protected by galvanisation, powder coating or stainless steel.

Motors and other electrical components are minimum IP44 when installed outdoors, and can be equipped with a protective cover to increase the lifetime.

