Few Factors affecting the lifetime of Filter Bag are:

Appropriate Filter Media Selection:
Temperature, moisture level and chemical characteristics of air, as well as particle size, weight, shape, abrasive behavior, dust concentration, filtration velocity, cleaning style, emission concentration and working system of Bag house should be considered for media selection. In general, needle felt bags are used in pulse jet Bag house. Woven-fabric bags are used in section reverse flow or mechanical shake Bag house (Attached Appendix 2 for performance of different filtration media).

Reasonable Structure Design:
The filter bag structure should meet the requirement of filtration and dust collecting in the corresponding bag house. At the same time, it should be easy to install, have good sealing while having relevant filtration area and condition, and be easy to be cleaned with the least wearing. It should good fit to the related parts. For example, the Synthetic fabric bag for external filtration should have gap with cage, the fiberglass bag must cling to the cage of which the space between vertical wires are smaller than that of synthetic fabric bag cage. The bag tension has to be considered in internal filtration bag.

Excellent Sewing Skill:
Advanced technology: The dimension of bag is up to the drawing. The shrinkage should be considered according to both working temperature and filter media.
Complete equipment: The stitch arrangement is reasonable. Neither skip stitch nor broken stitch is allowed. At the same time, the sewing thread meets the requirement. All the accessories should be excellent and meet the requirement. In order not to damage the bag, any burrs or damaged parts will not be allowed. No damage can be found in the whole bags, such as hole, slip yarn, stain etc. Appropriate package should be guaranteed. Neither damage nor damping can occur during shipment. In the meantime, heavy pressure on the glass-fiber bags or too long storage will affect the lifetime.

Reliable and effective dust-cleaning:
During work, dust area will rise gradually, with an increased pressure difference. So the pressure difference should be kept within a specified range by effective cleaning and peeling off the dust.

Avoiding unexpected abnormal conditions:
Unexpected abnormal conditions should be prevented during the operation, such as steep rise in temperature, or invasion of corrosive air, or sudden fall to below dew point in air temperature etc. These factors can cause the change for temperature, moisture, chemical corrosion, mechanical wearing or impact, which may damage the bags if exceeding their resistance.

Equipment maintenance:
Damaged filter bags should be discovered and replaced timely. The change of pressure difference of bag house should be observed to eliminate troubles in dust cleaning and to check the normal operation of cleaning system. In addition, cleaning cycle or the working system of bag house should be adjusted timely, if there are changes in the technical conditions of the cleaning system.