ABSTRACT

Process for Producing Bisphenol A with an Extended Service Life in the Crystallisation

The invention describes a process for producing bisphenol with a content of less than 15 wt.% of phenol, wherein a suspension crystallisation of a product mixture containing bisphenol A, minor components and phenol is performed in a crystalliser, the product mixture being pumped through a heat exchanger. Due to deposition (fouling, i.e. crystallisation and deposition on the surface of the heat exchangers) in the heat exchanger, the pressure difference increases from 0.5 to 3 bar across the heat exchanger. The resulting reduced flow rate, which would lead to increased fouling in the crystalliser, is offset by continuously increasing the speed of the pump, the pump speed being regulated in such a way that the current consumption of the pump is maintained such that it fluctuates by a maximum of ±5%.

Figure (None)