

PROCESS DEVELOPMENT FOR VACUUM CRYSTALLIZATION OF GLAUBER SALT

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ABSTRACT

This paper explains the method of vacuum crystallization used specifically to crystallize Glauber Salt. The method applies the know how of MSMR and Mersmann equations. Growth models for crystallization of Glauber Salt are accurately predicted. This process development is being applied to crystallization equipments like draft crystallizers and vacuum crystallizers. The required production or recovery target of Glauber salt is easily met. It solves the complexities faced by engineers and technologists with regard to nucleation and growth rates. Commercially, it offers a single source mechanism for the successful production and recovery of Glauber salt.

KEYWORDS: Glauber Salt, Vacuum Crystallization, Sodium Sulphate, CETP

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