

Pipeline Foam Reducers

Avoid Pipeline Material Ingression to Process Units

Gas and liquids processing facilities in general and upstream pipelines are constantly exposed to potential ingression of contaminants from pipelines, especially during pigging activities. Therefore, minimizing the ingression of pipeline residues and liquids is critical to avoiding contaminating downstream process units with a number of chemicals than can cause severe foaming episodes as well as corrosion and depositions.



Among the most complex contaminants that can potentially enter the facility is the white foam. This material is shown in the image below taken from a filter-separator. The amount of contaminants in terms of mass can be significant. The white foam is a mixture of pipeline chemicals and upstream chemicals such as corrosion inhibitors, biocides and H₂S scavengers. The effects on process units can be extremely costly. For this reason, Nexo Solutions have developed a group of pipeline foam reducers. These chemicals are highly effective to rapidly eliminate foam in pipelines and separators.

Pipeline Foam Stabilization Mode	Product	lb/drum
Very strong foam from pipeline chemicals	NX-21	415
Medium foam from biocides and corrosion inhibitors	NX-24	421
Strong foam from scale and surfactants	NX-25	419
Strong foam from pipeline chemicals	NX-28	425

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