

Looking at the big picture.



MACHINERY AND PLANTS



LDPE – Plants & Hyper Compressors

How to Avoid Exceeding Pulsations & Vibrations

We support you:

- Equipment Modification
- Revamp
- Changing Operation Conditions

Looking at the big picture.

Modification of existing LDPE Plants

Initial Situation:

Modifications regarding the equipment of the plant or the operation mode.

Consequences:

- Possible negative impacts on the pulsation & vibration behaviour of the plant
- Exceeding piping vibrations
- Damages at the machinery or components or at worst a standstill of production

Our approach:

- Measurements of the current state of the plant in order to validate existing data and modelling
- Calculations & simulations to check the safety of the planned modifications

Your benefit:

The design of modifications can be adjusted according to the results of measurements and simulations and the right measures can be taken to avoid exceeding pulsations & vibrations.

Our goal is your success

Avoiding critical situations, such as exceeding

- piping vibrations
- pressure pulsations
- structural vibrations
- foundation vibrations

We support you with prompt service all over the world. According to our philosophy "We accompany you right to the goal", we tackle the vibrations at source and elaborate individual and practical measures that ensure a trouble-free operation.



The core of LDPE production: the hyper compressor

KÖTTER Consulting Engineers

Experience. Reliability. Prompt Service.

We are an independent engineering company working successfully since 1978 in the field of sound and vibration. Around 60 experts, located in Rheine and Berlin, Germany, work out customized solutions based on measurements and calculations. Our consultancy is characterized by the valuable combination of high technical knowledge and long-term experience all over the world.



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