

VICODA® SUCCESS STORY

INDUSTRY, PIPELINE CONSTRUCTION

Vibration isolation pipelines, Kazakhstan

PROJECT DATA

Brief description

Reduction of pipe vibrations in a gas compressor station.

Project duration

12 weeks

Product Data Damper

Quantity: 10 Polybutene dampers incl. electrical trace heating, thermal insulation and pipe clamps

Ø Pipes: DN200 to DN400

PROJECT DESCRIPTION

To minimize vibrations in the pipe system of a gas compressor station, viscoelastic dampers were used for an outdoor application in Kazakhstan.

The minimum outside temperature of -45°C had to be taken into account during the planning stage. For this special application, LISEGA developed dampers which, with the aid of electrical heating elements and thermal insulation, maintained the damping properties without restrictions.

SOLUTION

The electrical heating element ensures a constant temperature in the damper even at extremely low temperatures. For this purpose, thermal insulation is installed around the damper as well as on and under the damper. The additional insulation does not limit the function of the damper or the movement capacity for the cold-hot shift. This solution allows the use of viscoelastic dampers even in extremely demanding climatic conditions.

