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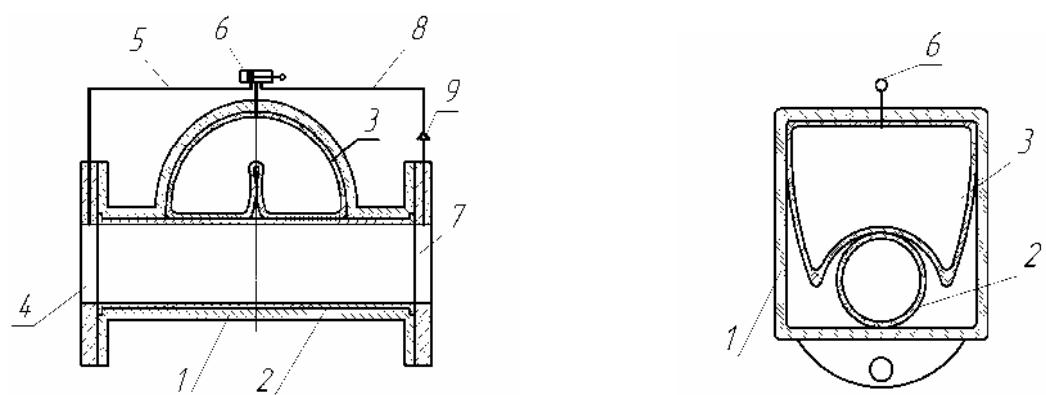
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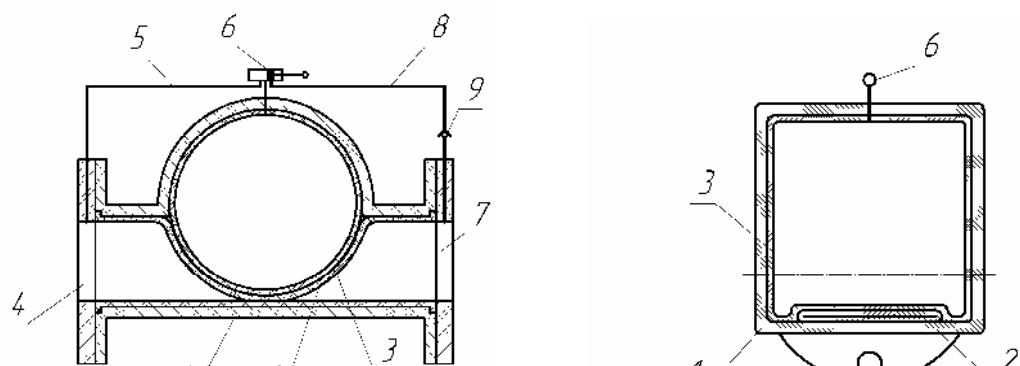
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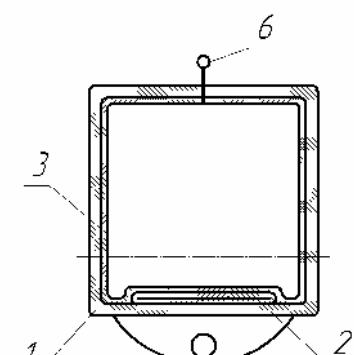


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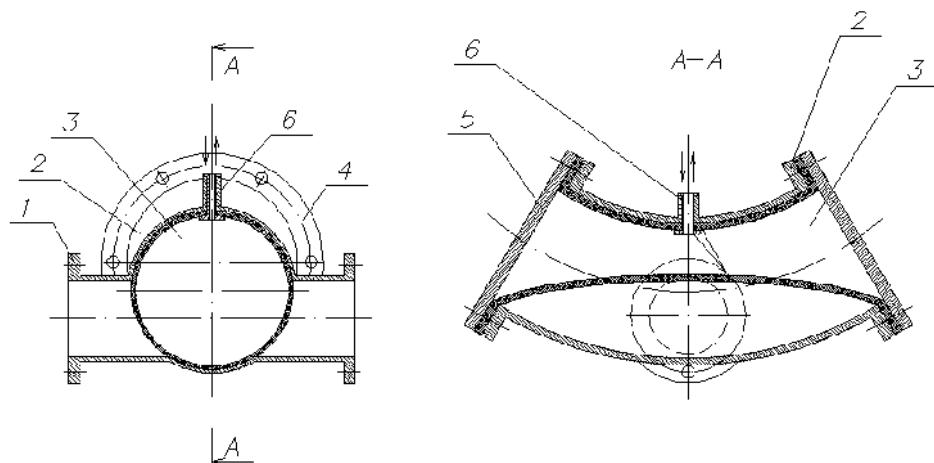
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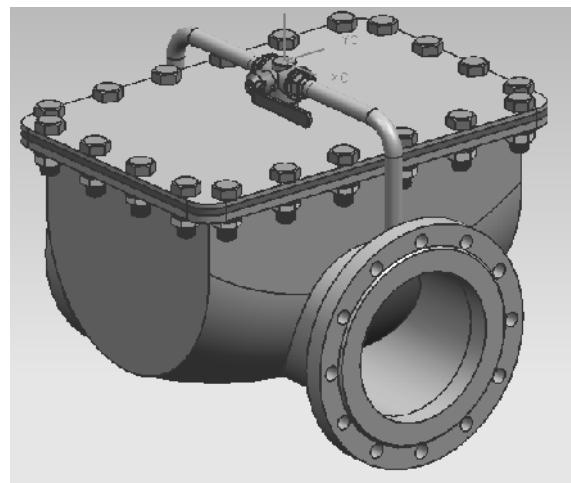
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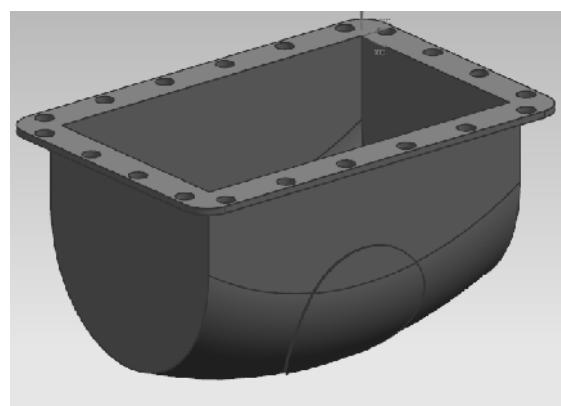
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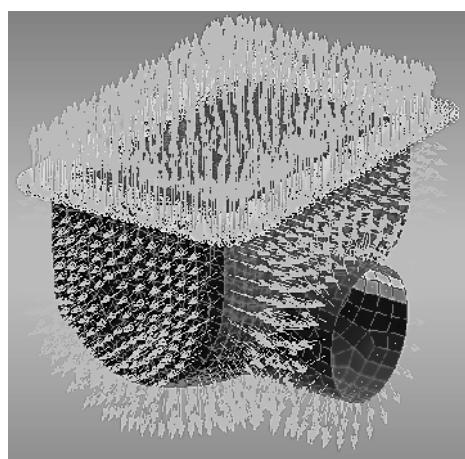
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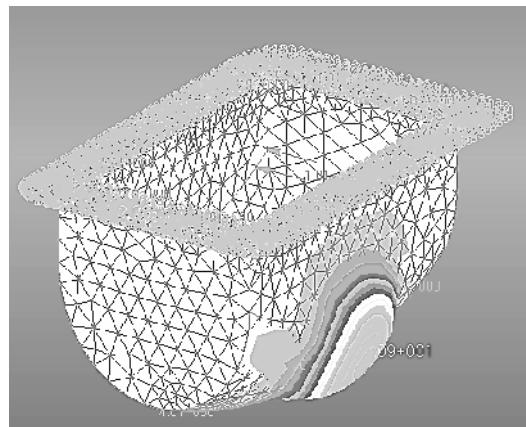
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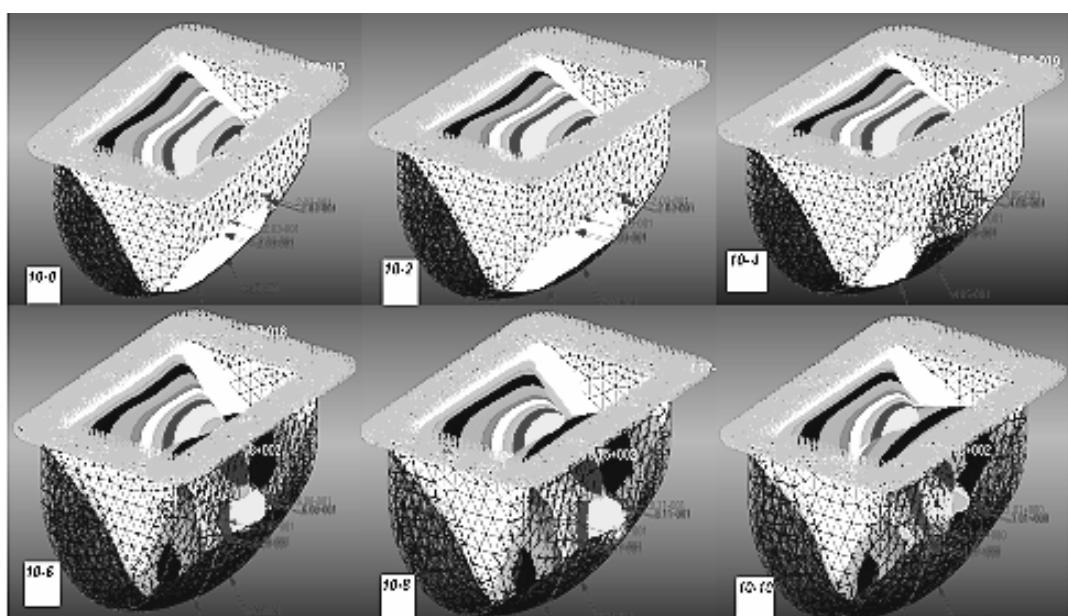
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MSC.Patran, MCS.Software, 2008.

MSC.Marc, MCS.Software, 2008.

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**V. Kolcov, V. Rakickaya, E. Popova
STUDY AND DESIGN VALVE
MODEL WITH HOSE DRIVE**

- The article deals with a new closure scheme based on the use of flexible shell constructions. Shut-off body is designed as a flexible hose. As a source of traffic for the drive itself uses the pressure of the transported medium. Geometric modeling of the device held in the Unigraphics NX. The study was carried out in a shut-off valve systems engineering analysis of MSC.Patran and MSC.Marc. The study established the optimal wall thickness of the elastic body of the locking device, an analysis of the process of opening the device.
- **Keywords:** tori mechanics, check valve, systems engineering analysis.

Unigraphics NX.

MSC.Patran MSC.Marc.