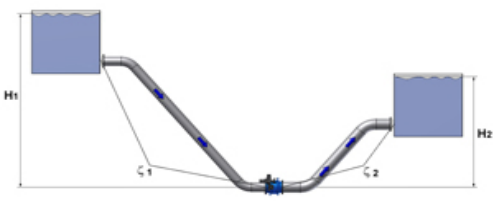
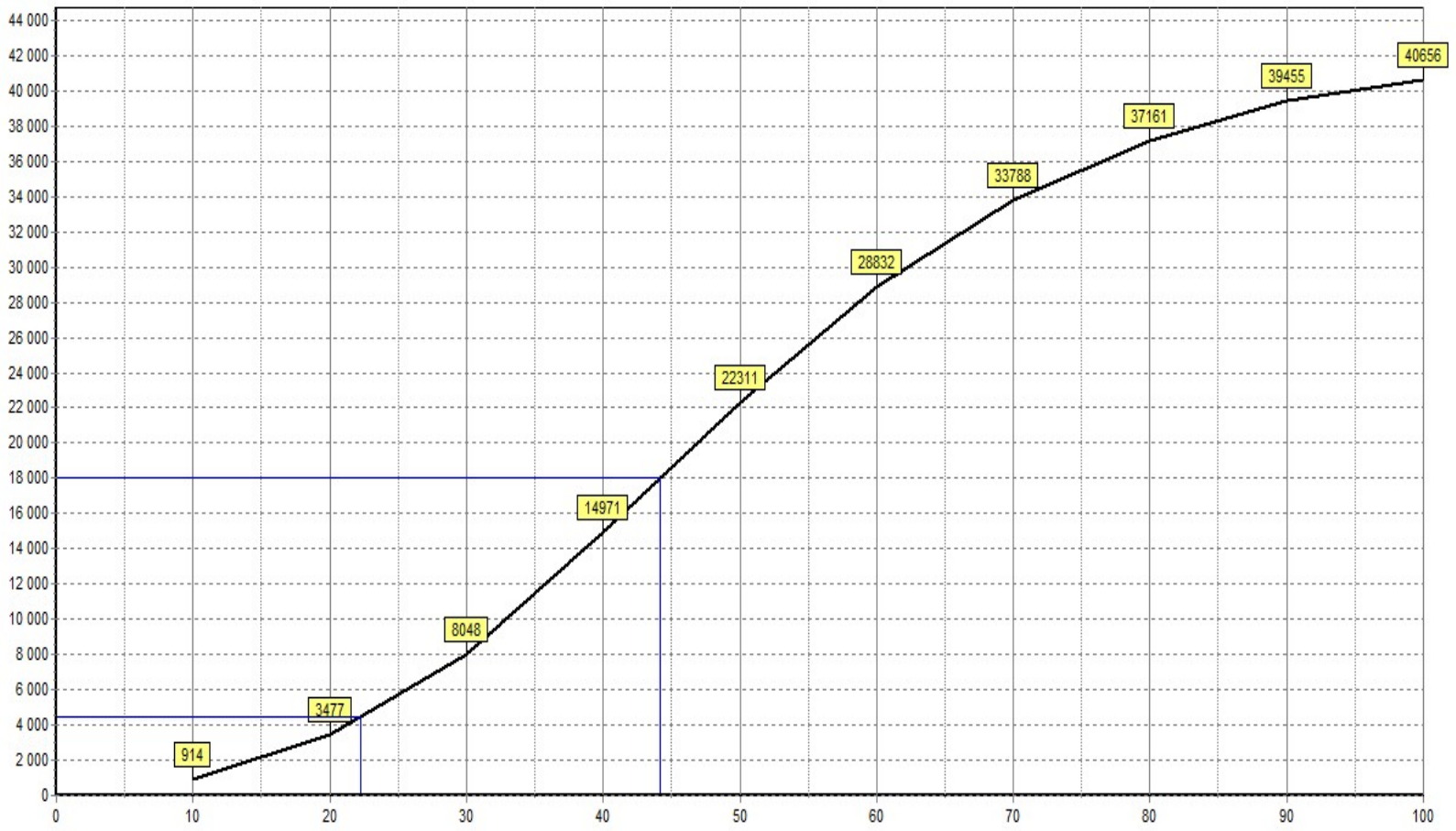
# RIKO Control Valve - Flow diagram

| | |
|---|---|
| Project Name: | ROSARITO |
| Project Note: | AYESA |
| Project Date: | 27/02/2026 |
| User Name: | JULIAN BAHENA |
| Pressure rate, PN: | 16 |
| Nominal Valve Diameter, DN: | 1800 |
| RIKO Outlet Type: | E |
| System properties | Regulation with constant pressure-Reservoir to reservoir |
| Static upstream pressure: | 0,80 bar |
| Static downstream pressure: | 0,28 bar |
| Pipe diameter upstream side: | 1800 mm |
| Zeta value pipe upstream side: | 0,47 |
| Pipe diameter downstream side: | 1800 mm |
| Zeta value pipe downstream side: | 1,73 |
| Flow Qmin: | 4 500,00 m3/h - 22% |
| Flow Qmax: | 18 000,00 m3/h - 44% |
| Altitude: | 0 |
| Qmax Pipe system: | 40 655,91 m3/h |

Type of regulation




Capacity in m3/h




Opening degree (%)

# RIKO Control Valve - Cavitation curve

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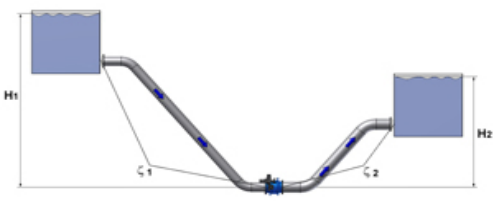
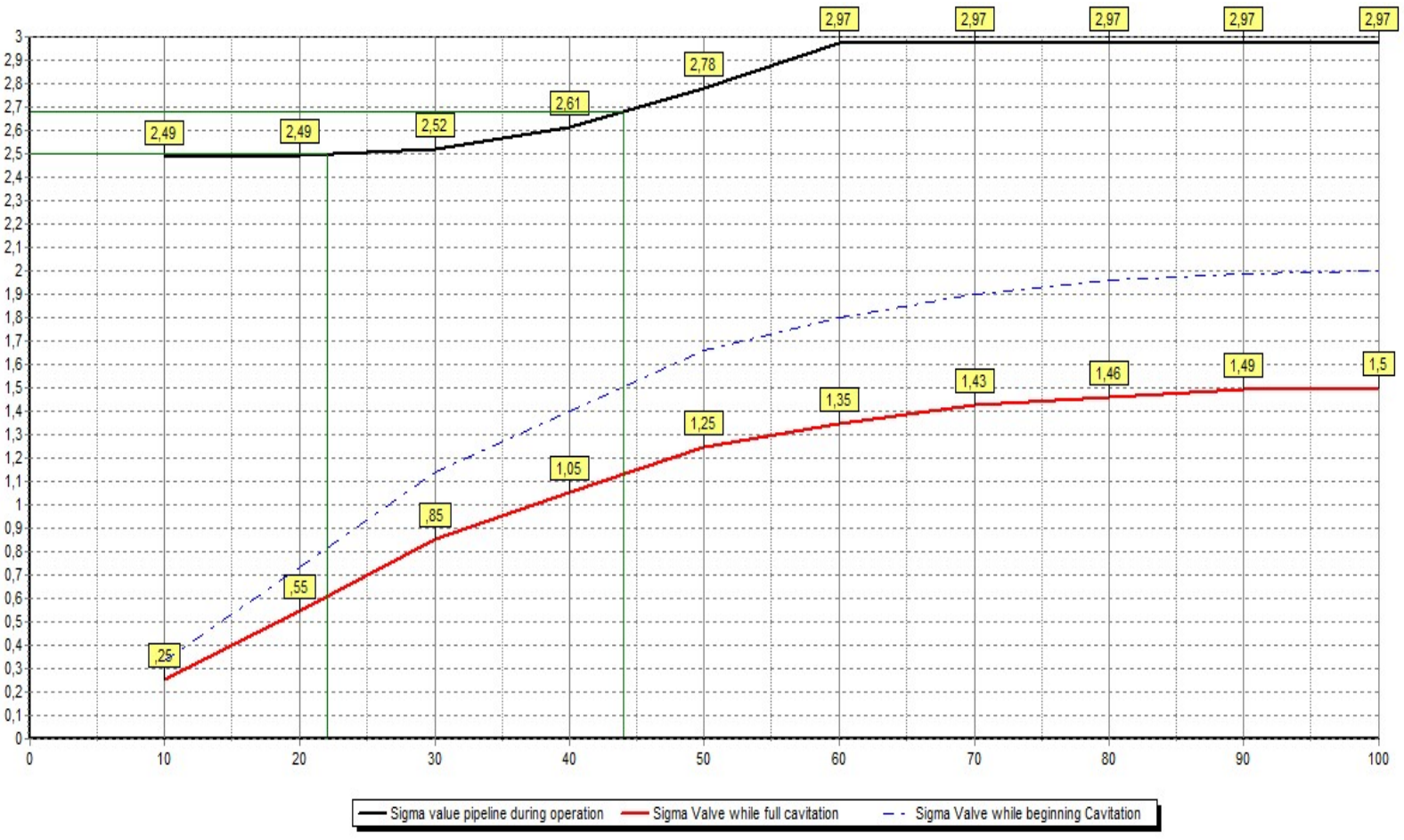
Type of regulation




## Cavitation diagram



# RIKO Control Valve - Zeta Curve

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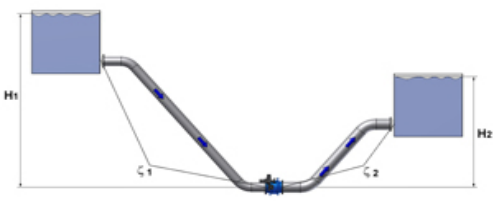
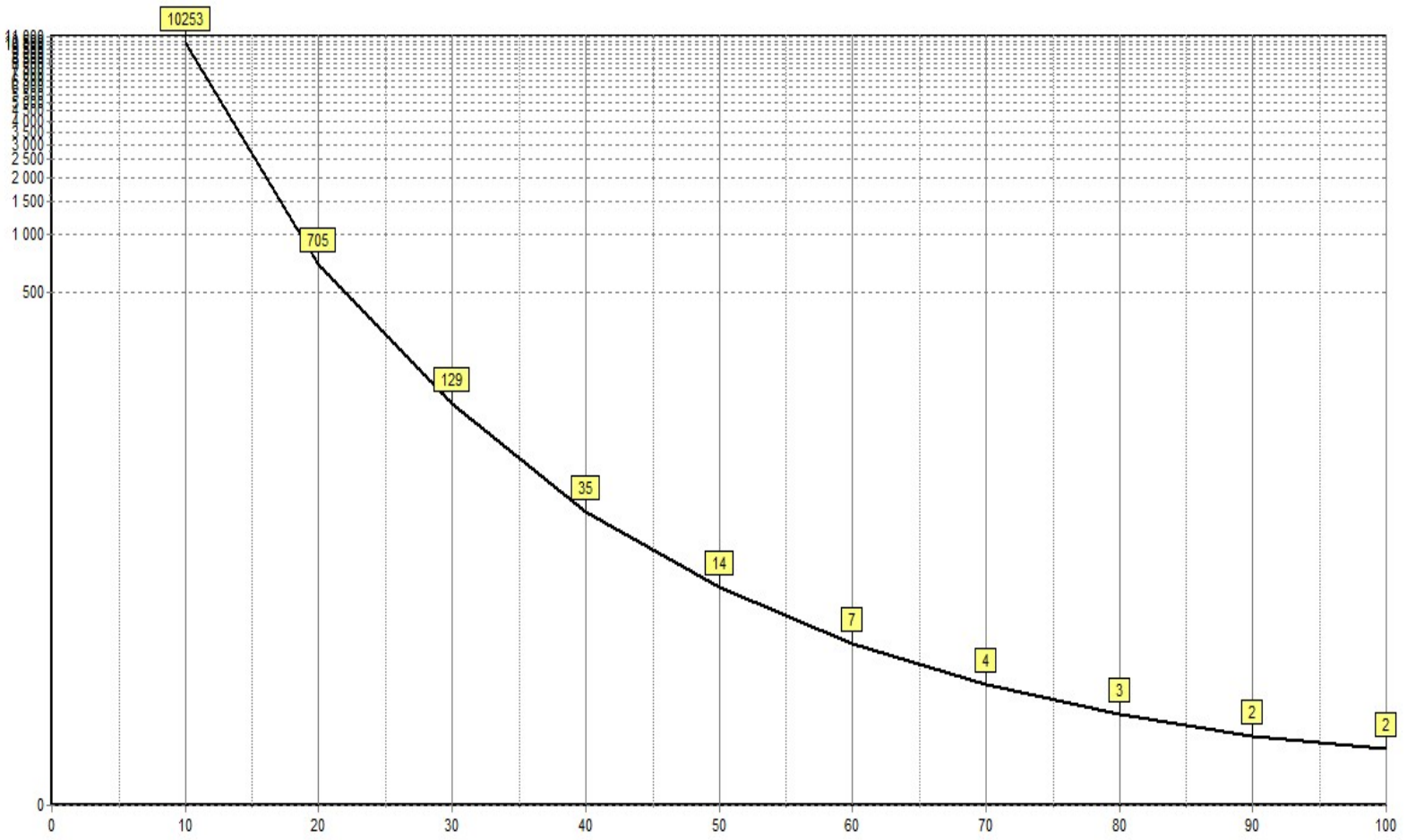
Type of regulation




Zeta Value




Opening degree (%)

# RIKO Control Valve - Kv Curve

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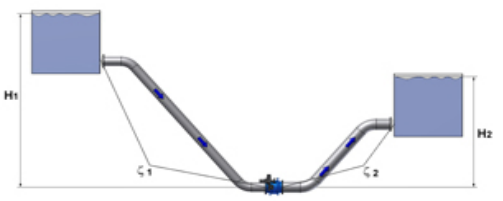
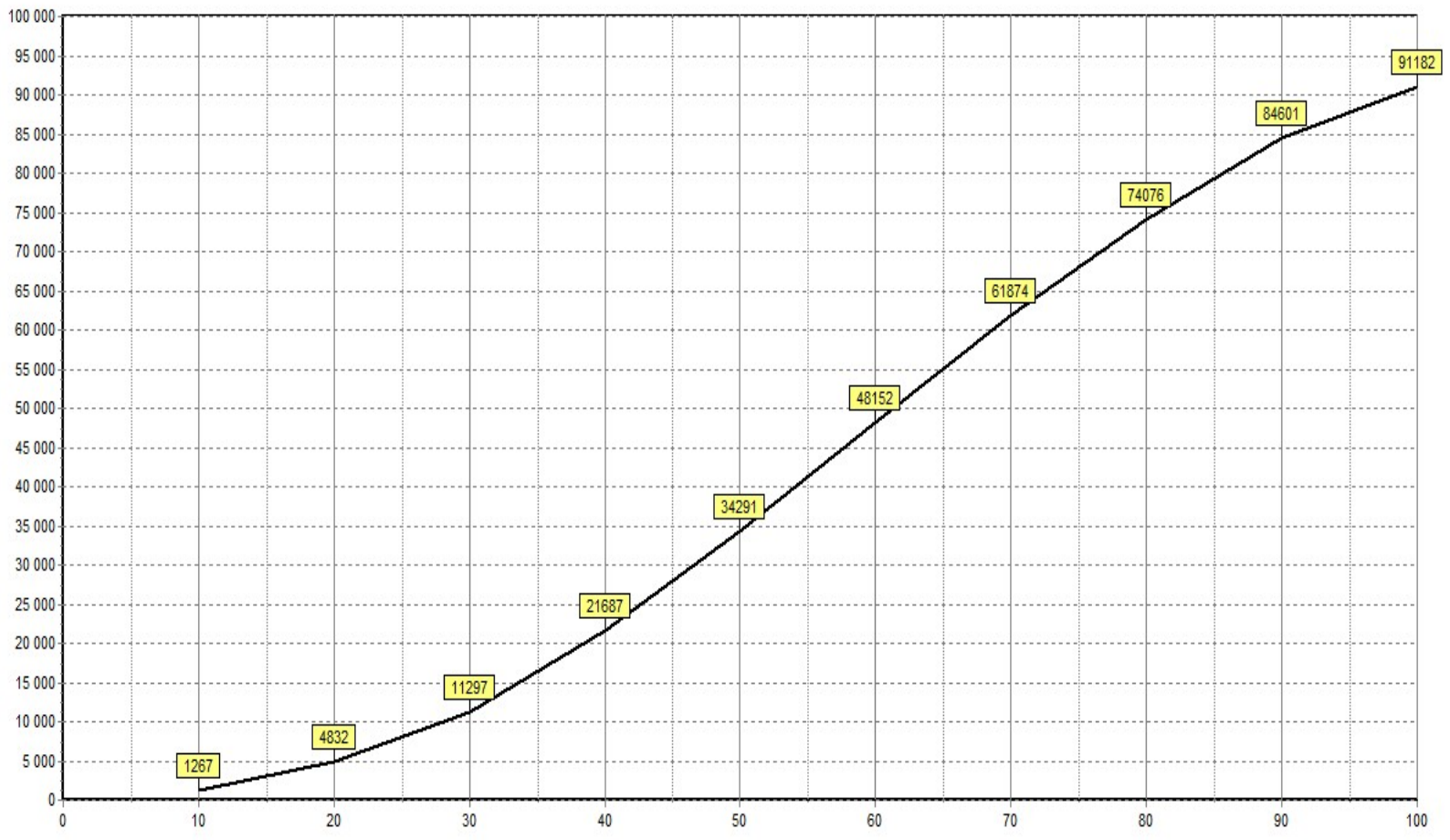
| Altitude: | 0 |
| Qmax Pipe system: | 40 655,91 m3/h |

Type of regulation




Kv [m3/h]




Opening degree (%)

# Noise level (db A)

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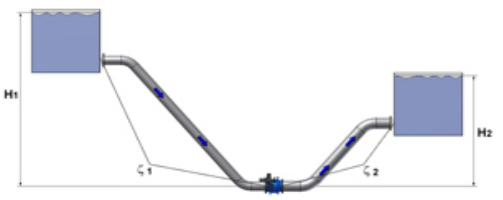
Type of regulation




Calculated Noise Level without influence of the piping system

The noise level is calculated according to VDMA 24422 and only computes the noise emission of the valve. Any influences from pipeline sections connected or noise caused by structures cannot be taken into consideration.

Noise level (dB A)