

# Project planning aid

## STRATE systems for venting, flushing and partially emptying sewage pressure pipes



### STRATE

#### Technologie für Abwasser GmbH

Im Kirchenfelde 9

D-31157 Sarstedt

Phone: +49 (0) 50 66 / 988 - 0

Fax: +49 (0) 50 66 / 988 - 225

Internet: www.strate.com

Email: info.strate@dueker.de

#### Your reference data

Company:

Name:

Street:

Postcode / Town

Project:

Date:

#### Properties of the sewage

Temperature range from \_\_\_\_\_ °C to \_\_\_\_\_ °C

Maximum dwelling time of the sewage in the pressure pipe \_\_\_\_\_ Hours

#### Technical data of the sewage pumping station

Maximum pumping capacity \_\_\_\_\_ m<sup>3</sup>/h

Maximum working pressure \_\_\_\_\_ mWS

#### Technical data of the pressure pipe

Size \_\_\_\_\_ mm

Inner diameter \_\_\_\_\_ mm

Pipe length \_\_\_\_\_ m

#### Technical data of the pressure pipe

Size \_\_\_\_\_ mm

\_\_\_\_\_ mm

Pipe length \_\_\_\_\_ m

Number of high points \_\_\_\_\_ Units

Number of further venting and air release points \_\_\_\_\_ Units

#### Longitudinal section of the pressure pipe

Please include as separate enclosure (can be a hand-drawn sketch)! The pressure pipe is considered on the basis of the longitudinal section.

Individual interpretation points are:

- Does the pressure pipe need venting in the pumping station?
- Does the pressure pipe need venting at the low points (inspection shafts)?
- Are possibly more ventilation points along the penstock required?

- Arrangement and number of high points
- Are there venting and air release valves at the high points?
- Are air release blocks necessary
- Are there any culverts?
- Does the pressure pipe run empty in partial sections?
- Does the pressure pipe require venting along the whole pipe length?