NORDIC VALVES

GATE VALVE
NSG

INSTALLATION, OPERATION AND MAINTENANCE MANUAL

Ver.2020-1

USE AND AVAILABLE SCOPE

This gate valve is FM-approved and specially designed for use in fire protection and sprinkler systems, ensuring reliable performance and compliance with safety standards

AVAILABLE MEDIUM

The gate valve is suitable for water, oil, and gas.
⚠ Prohibited Use: The valve must not be used with corrosive or reactive media that may cause chemical degradation of the valve or pipeline.

PRESSURE-TEMPERATURE RATE

- The rated working pressure applies at room temperature.
- As the medium temperature increases, the allowable working pressure decreases.

TRANSPORT AND STORAGE

- The valve package must remain intact during transport to prevent damage.
- Do not drop or subject the valve to heavy impact.
- Do not use the handwheel or stem as lifting or hoisting points.
- During storage, the valve should remain closed and stationary to ensure optimal condition.

If stored for an extended period, the valve should be covered and protected.

INSTALLATION AND USE

- Before installation, clean the valve thoroughly to remove any dust or debris from transport and storage.
- The medium flow direction must align with the indicated flow direction on the valve body.
- The valve should only be operated using its designated mechanism (handwheel or actuator).
- Do not apply external forces to operate the valve beyond its intended function.

MAINTENANCE

The working pressure, temperature, and suitable media must strictly comply with the specified operating limits. Failure to do so may cause serious damage or hazards.

Exceeding the pressure rating may cause leakage or valve body failure.
Excessive temperature may lead to material degradation and valve malfunction.
Using an incompatible medium may corrode the valve body, seat, or seals, leading to structural failure and leakage.

WARNINGS

The working pressure, temperature, suitable media of valves must be in accord with the illumination regulation. Otherwise, it may be dangerous.

1. If the pressure exceeds regulation, the valve may be leaked, and the body may be cracked.
2. If the temperature is too high, the material may be invalid, and the valve is broken.
3. If the media does not accord with the regulation of the illumination, it may rot the body, seat, or broke the sealing. The body may be thin and craze, then the media is leaked.

⚠ Our company is not responsible for damages or hazards resulting from use beyond the specified limits in this manual.