1. Intended use
Metering ball valves of type 523 are exclusively intended to block or convey media within the allowed pressure and temperature limits or regulate the flow of fluid after installation into a piping system. The valve is intended to be used within the chemical stability of the entire valve and all its components.

2. Related Documents
You may obtain the Planning Fundamentals as further information from your Georg Fischer representative or from Georg Fischer Piping Systems Ltd. CH-8201 Schaffhausen Switzerland

3. Safety and responsibility
• Only use metering ball valve as intended
• Only have installation, operation, maintenance, and repairs executed by qualified personnel
• Regularly train personnel regarding all applicable issues of the locally effective regulations for occupational health and safety, environmental protection, and most of all for pressure-retaining piping systems.
• Make sure that personnel is familiar with the operating instructions and its contents, that they understand them and follow them.

The same safety regulations apply to ball valves as to the piping system. The maximum operating duration is 25 years.

4. Transport and storage
• Transport and store metering ball valve in its original packaging with care
• Protect from damaging influences such as dust, dirt, moisture as well as thermal and UV radiation
• Prevent connecting parts from damage by either mechanical or other influences
• Store metering ball valve in open lever position.

5. Assembly

6. Commissioning

7. Maintenance

8. Mounting and dismantling

8.1. Mounting ball valve from pipe

CAUTION
Central part as replacement part

• Exchanging single components from the central part can have serious consequences.
• When exchanging the ball valve type 523, only use the central part as a replacement.
• When mounting / dismantling the ball valve, always follow the steps of these operating instructions.
• Execute functional test prior to commissioning.

9. Functional test

10. Troubleshooting

11. Manufacturer’s declaration

The manufacturer Georg Fischer Piping Systems Ltd., 8201 Schaffhausen (Switzerland) declares that ball valves of type 523 comply with the harmonized design norm EN-1635

12. Service

To obtain further information, please refer to "Georg Fischer Planning Fundamentals".