

## ***SIRO-inspect* S 400**

### **Inspection and Flushing Chamber for Sub Soil Drains in Traffic Route Engineering**

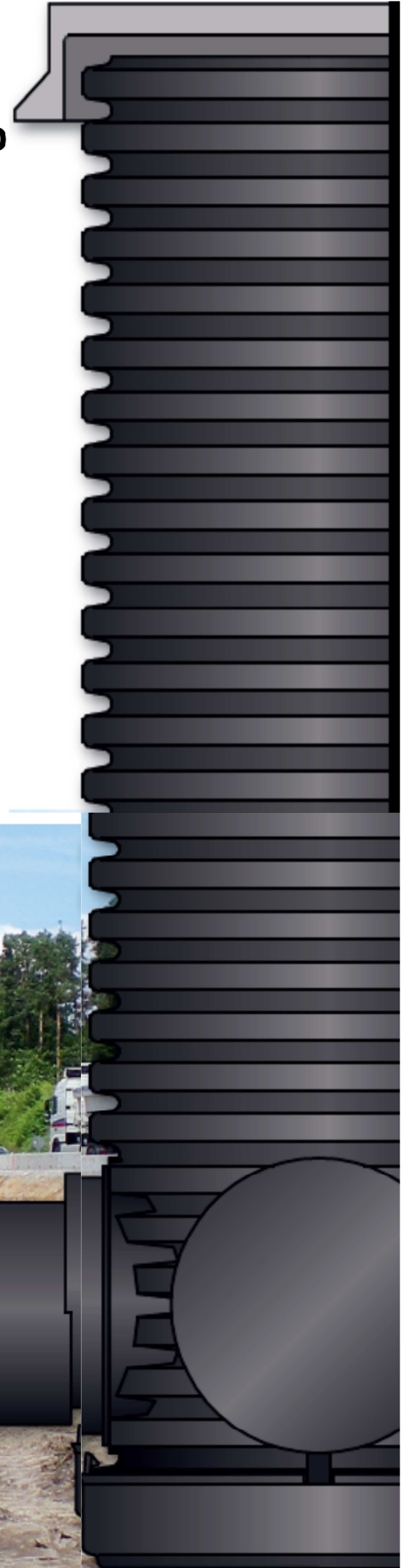
#### **Advantages of the *SIRO-inspect* S 400 chamber system**

- Modular chamber system for subsoil drains to DIN 4262-1
- Site-compatible height of 1.4 m
- Inserting depths of sockets complying with standards
- Optional even-level flow channel
- Practical solution for inspection and flushing
- Suitable for SLW 60 classified roads
- Easy handling on site/simple assembly
- Inexpensive accesses for inspection

Quality-controlled by SKZ



**fachgerecht · langlebig · vielseitig**



# SIRO-*inspect* S 400

## Inspection and Flushing Chamber

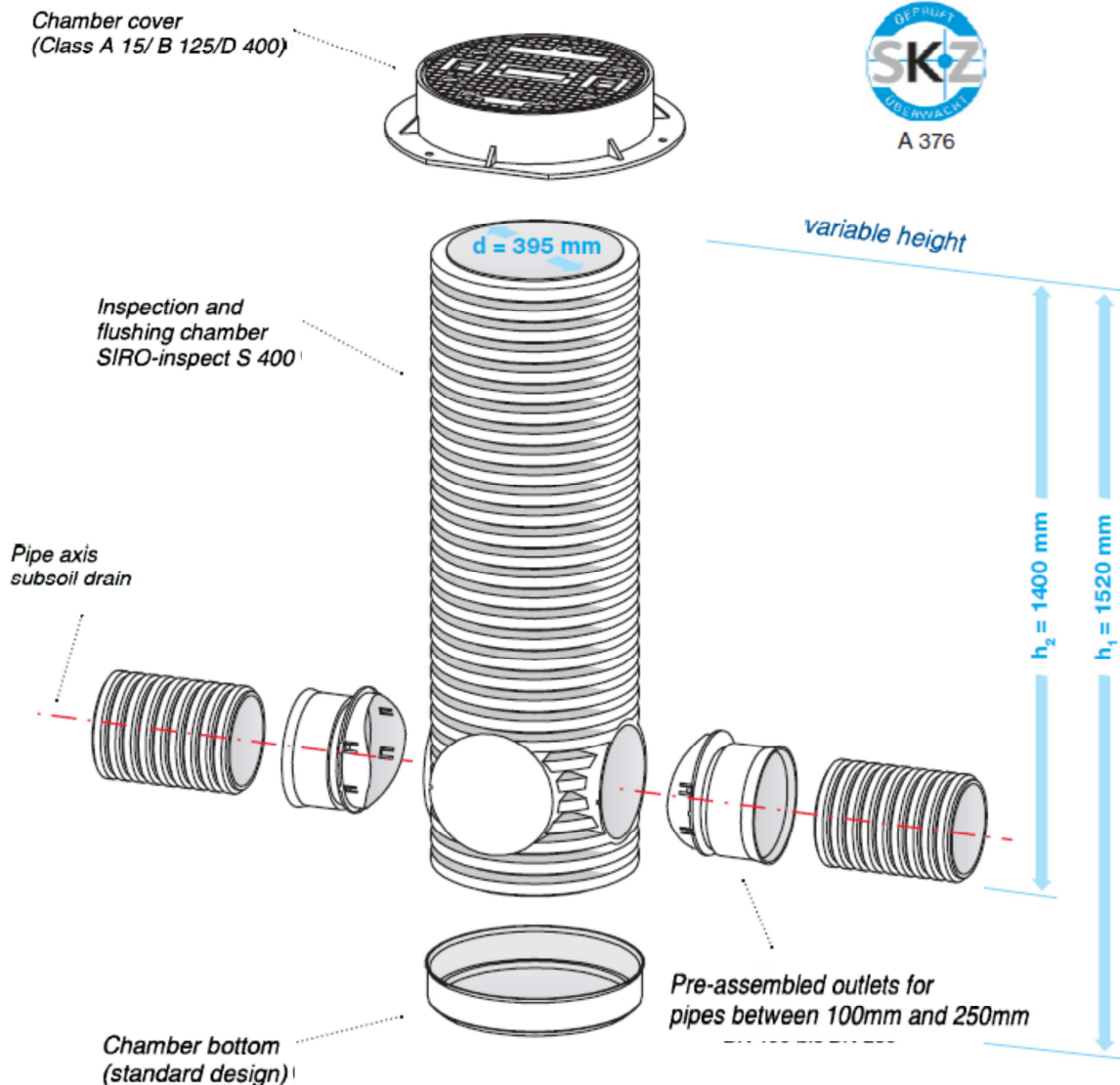
### System details

SIRO-*inspect* S 400 inspection and flushing chambers perfectly harmonize with HEGLER's pipe systems for subsoil drainage of trafficked areas and underground engineering. The chamber body is of PE-HD, which guarantees excellent material quality. SIROPLAST-K subsoil drains of nominal sizes between 100mm and 250mm

can be connected directly. As needed, reliable connection of flat-bottom SIROWELL subsoil drainage pipes between 100mm and 200mm is possible as well. Parallel to the inexpensive standard solution, there is a variant with a full-length even-level flow channel. The system is completed by a chamber raising piece and an extensive range of covers of load classes A 15, B 125 and

D 400 to allow diversified use in public road construction. The raising piece with integral socket has a uniform outer contour. This geometry and the fact that the socket mouth is facing towards the basic body render compacting around the chamber much easier than with other systems.

Patent registered:  
EP 0 913 534 B1



# Use in Traffic Route Engineering

## Application of SIRO-*inspect* S 400 inspection chambers with SIROPLAST-K subsoil drainage pipes in subgrade drainage

### Specifications for inspection/field of application

Water that has soaked into the roadway and cannot drain away through a permeable subgrade has to be discharged through a seepage layer and fed into a subsoil drain. The drain needs to be accessible through adequate inspection chambers at the roadside so that it can be properly serviced and flushed. Frost damage at the pavement

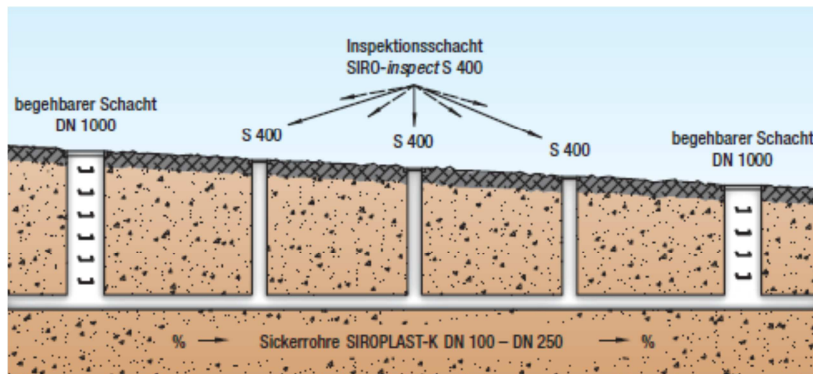
of the roadway can be prevented effectively. The specifications for inspection and laying of pipe systems used to stipulate manholes in intervals of about 50m in a pipe line. Improved and advanced inspection and flushing devices now allow pipe systems to be serviced properly through chambers as e. g. the SIRO-*inspect* S 400 product.



Chamber with 180° passage optionally with flow channel

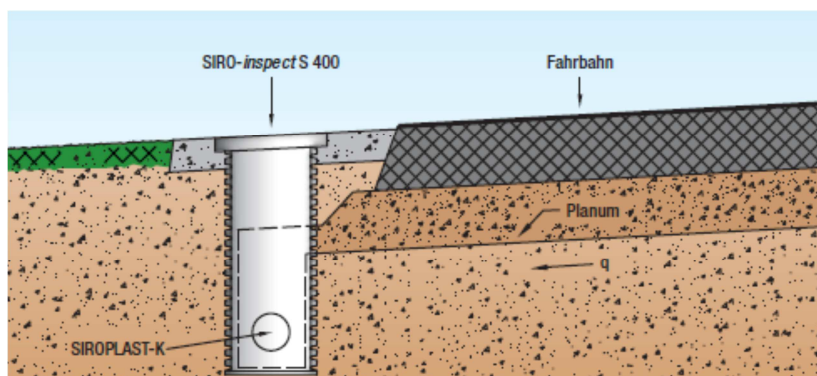
### Example of an installation with SIRO-*inspect* S 400 in subgrade drainage

Elevation chart – diagrammatic view



inspektionst hig = inspection possible  
gepr ft = tested for safety  
fachgerecht = professional

Roadway cross section – diagrammatic view



### Deflection at turns:

Deflection of pipe connected from the axis of passage way through chamber body: max. 6° (angular deflection: 168° - 180° - 192°)



**Important:**

- SIRO-*inspect* S 400 chambers should be transported in the original packing to the final destination with care being taken that an even support is used.
- Continuous support at the given gradient must be provided in the pipe trench. The supporting layer of 10cm must consist of sand/gravel. Local depressions should be provided at joints so that the couplings do not initially rest on the support.
- Any joint should be made using the recommended lubricant.
- Embedding has to be carried out in accordance with DIN EN 1610.
- Chambers must be surrounded by a sand/gravel layer of  $d \geq 20\text{cm}$ . The bedding material should be compacted in layers.

The information given in this brochure is the most up-to-date available and is intended to provide information on our products and their possible applications. It is not a guarantee of certain features, nor of their suitability for certain specific applications. Our guarantee applies to a perfect quality according to our specifications within the scope of our General Terms and Conditions. Subject to change. The current version supersedes any former editions.

**Chamber System and Accessories**

SIRO- <i>inspect</i> S 400	Item No.		
Inspection and flushing chamber of PE-HD, DN 400, with 2 pre-assembled outlets 180°, for connection of SIROPLAST-K subsoil drainage pipes			
DN100	7194410		
DN150	7194415		
DN200	7194420		
DN250	7194425		
Inspection and flushing chamber of PE-HD, DN 400, with 3 pre-assembled outlets 180°, for connection of SIROPLAST-K subsoil drainage pipes			
DN100	7194610		
DN150	7194615		
DN200	7194620		
DN250	7194625		
Inspection and flushing chamber of PE-HD, DN 400, with flow channel, with 2 pre-assembled outlets 180°, for connection of SIROPLAST-K subsoil drainage pipes			
DN100	7193410		
DN150	7193415		
DN200	7193420		
DN250	7193425		
Chamber raising piece of PE-HD with integral socket or lose socket, DN400 effective length 109cm	7199704		
Profiled seal DN400	7199501		
Coupling DN400	7199500		
Chamber cover to DIN EN 124, passable, cast iron, with or without ventilation vents	Class A 15	Class B 125	Class D 400
without vents	7199630	7199610	7199620
with vents	-	7199611	7199621
inlet grating	-	7199612	7199622
Dirt trap	7199640		

Special chamber designs on request; combinations with various nominal sizes possible.

# HEGLER



Corrugated and Twin  
Wall Pipes of Plastics