

MULTI-*inspect* 400

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MULTI-*inspect* 400
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PE-HD Inspection and Flushing Chamber for Traffic Route Engineering and Special Requirements



MULTI-*inspect* 400:

- Monolithic chamber basic body, internal dimension > 500mm
- Full-length even-level flow channel
- Ideal for use in confined spaces and small laying depths
- Easy access to pipe line for inspection and flushing
- Suitable for SLW 60 classified roads

Complying with the requirements in road construction



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Flushing and Inspection Chamber MULTI-*inspect* 400

MULTI-*inspect* 400 System setup

The MULTI-*inspect* 400 inspection and flushing chamber is made from PE-HD in one piece (monolithic basic body). With its compact size, it completes the MULTI-*inspect* chamber series for use in applications where a small overall width and height is essential. Thanks to the use of PE-HD as raw material, the requirements as to a high impact resistance and low risk of breaking and cracking of the product are met. Also complied with is the demand for an adequate load-bearing capacity under SLW 60 classified roads.

Irrespective of the length of the riser pipe, loads distribute to the bearing layer via a concrete bedding provided on site. The settlement cams in the coupling accommodating the riser pipe offer additional safety against excessive forces that may occur during the construction phase. The standard chamber has a basic body with a straight-through even level flow channel. Special designs with angular offsets or additional branch pipes are available on request.

Connection of pipe systems

The basic body features integral socket ends of DN400 on both sides. Together with the available reducing connectors (same as for MULTI-*inspect* 600 which have proved successful) this allows the connection of pipes in a size range from 100mm to 350mm. Tensile and twist-proof joining with the connected pipe systems (AQUADRAIN/SIRO-PLAST-K civil engineering drainage pipes or AQUATUB-Rw storm sewer pipes) is ensured by the special way of interlocking between the reducing connectors and the basic body. A full-length even-level flow channel is guaranteed with all pipe sizes.

Chamber accessories

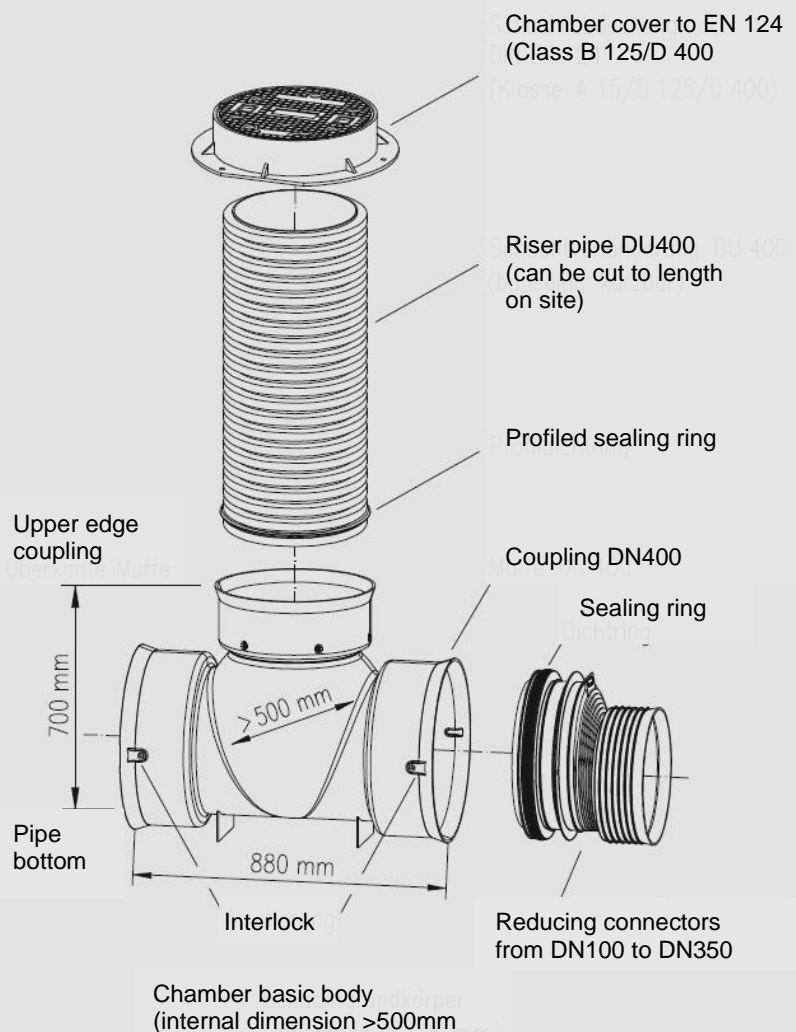
The covers available for the riser pipe meet Classes B 125 and D 400 to EN 124. An extensive range of accessories permits the chamber to be used in many applications of civil engineering.

SYSTEM ADVANTAGES

- Small overall width and height
- Full-length even-level flow channel
- Tensile interlock of reducing connectors (patent applied for)
- For a size range of 100mm to 400mm pipes
- Suitable for SLW 60 classified roads
- Low weight
- High impact resistance (PE-HD)
- Chamber covers to EN 124:
Classes B 125 and D 400



MULTI-*inspect* 400



for Use with Drainage and Carrier Pipes in Road Construction



Installation in the cramped confines of a medial strip with moving traffic



Car park with drainage swale and open curb on both sides

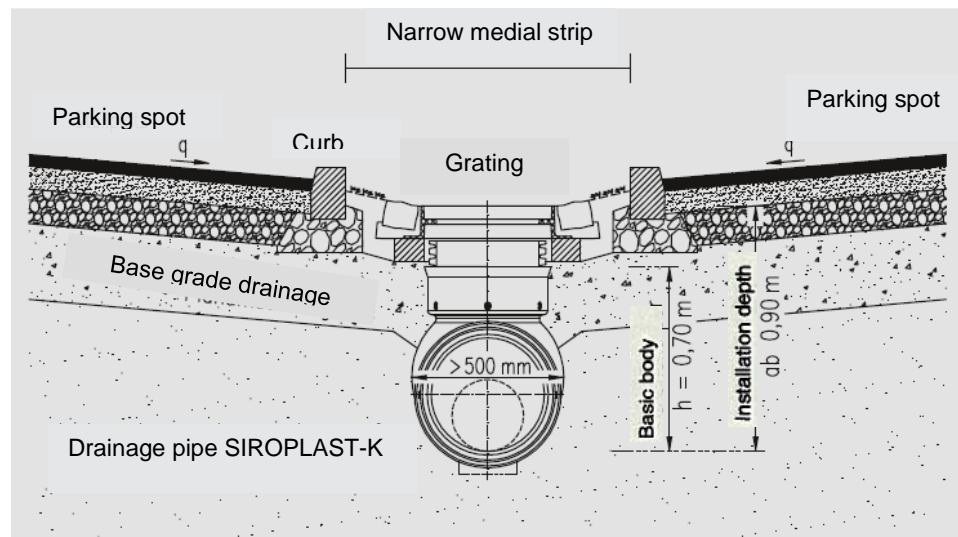
Field of application

The MULTI-*inspect* 400 inspection and flushing chamber fits any fields of traffic road construction for the discharge of drain and surface waters. Structural calculations furnish proof for an adequate carrying capacity under traffic loads (SLW 60).

Its compact size renders the MULTI-*inspect* 400 chamber particularly practical in sections difficult to access or in cramped confines like narrow medial strips or between concrete safety barriers and roadside structures (for instance noise protection walls).

No heavy construction equipment is required - an enormous advantage with regard to performance of construction work, construction time and overall costs.

Compatible connectors allow the use of AQUATUB-Rw carrier pipes.



Inlet chamber:

Example for use as inlet chamber in the confined space of a drainage swale on a car park

Multi-inspect 400

- Inspection and flushing chamber for pipe sizes up to 400mm
- Use in traffic route construction for the discharge of drainage and surface waters
- Compact size of chamber basic body



Attention should be paid to the structural analysis and the manufacturer's installation guide.

System Accessory Multi-*inspect* 400

Important:

- If possible, Multi-*inspect* 400 chambers should be transported and stored on site in the original stillage. They should always be stored on an even and smooth surface.
- 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.
- Joints should be made using the recommended lubricant.
- Embedding has to be carried through in accordance with EN 1610.
- Chambers must be surrounded by a sand/gravel layer ($d \geq 20\text{cm}$). The bedding material should be compacted in layers.
- There is a special range of chamber covers to EN 124 for the riser pipe DU 400 of the MULTI-*inspect* 400 chamber. If standard chamber covers to EN 124 (like BEGU covers or 625mm gratings are to be used, a special SR end part is required.

Chamber system and accessory

Multi- <i>inspect</i> 400	Item No.	
Chamber basic body of PE-HD, with 2 outlets 180°, internal dimension of basic body > 500mm for connection of SIROPLAST-K and AQUADRAIN drainage pipes and AQUATUB-Rw storm water sewer pipes		
2 outlets DN400	7054000	
2 outlets DN250*	7054001	
Special designs (for instance chamber basic bodies with angular offset) on request		
Chamber basic body of PE-HD, with 1 outlet as start or end unit, internal dimension of basic body > 500mm for connection of SIROPLAST-K and AQUADRAIN drainage pipes and AQUATUB-Rw storm water sewer pipes		
1 outlet DN400	7054002	
1 outlet DN250*	7054003	
Reducing connectors		
DN100	7056410	
DN150	7056415	
DN200	7056420	
DN250	7056425	
DN300	7056430	
DN350	7056435	
Sealing ring for reducing connector	7056400	
Riser pipe (l = 300cm)	7056702	
Profiled sealing ring for riser pipe	7056501	
Coupling for riser pipe	7056500	
Dirt trap	7056640	
Chamber cover of cast iron to EN 124, for pedestrian or traffic loads resp.	Class B 125	Class D 400
– without ventilation openings	7056610	7056620
– with ventilation openings	7056611	7056621
– grating	7056612	7056622

* in preparation

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