

MULTI-*inspect* 600

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MULTI-*inspect* 600
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PE-HD Inspection and Flushing Chamber for
Traffic Route Engineering



MULTI-*inspect* 600

- Monolithic chamber basic body, internal dimension > 600 mm
- Full-length even-level flow channel
- Ideal for use in 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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Inspection and Flushing Chamber MULTI-*inspect* 600

MULTI-*inspect* 600 System setup

The MULTI-*inspect* 600 inspection and flushing chamber is made from PE-HD in one piece (monolithic basic body). With the excellent impact resistance of PE-HD, cracks and rupture in the chamber are precluded, even at low temperatures down to -25 °C. MULTI-*inspect* 600 is available as straight-way chamber (180°) with a full-length even-level flow channel. Thanks to its low weight, no special construction site equipment is necessary for installation – an enormous advantage!

Connection of pipe systems

The basic body features integral socket ends of DN 400 on both sides. Together with the available reducing connectors this allows pipes in a size range from 100 mm to 350 mm to be connected to the MULTI-*inspect* 600 chamber. The special way of interlocking between the reducing connectors and the basic body ensures tensile and twist-proof joining with the connected pipe systems. Assembly errors are excluded! A full length even-level flow channel is guaranteed with all pipe sizes.

Riser pipe and chamber cover

The riser pipe can be shortened, or elongated by extension pieces, to any length required. The chamber matches customary chamber covers, closed or gratings, of classes A 15, B 125 and D 400 to EN 124. Irrespective of the length of the riser pipe loads up to traffic load class SLW 60 distribute via a top concrete ring to the bearing layer. The settlement cams provided in the coupler accommodating the riser pipe provide additional security in preventing damages to the basic body should excessive forces occur during the building phase.

Special designs

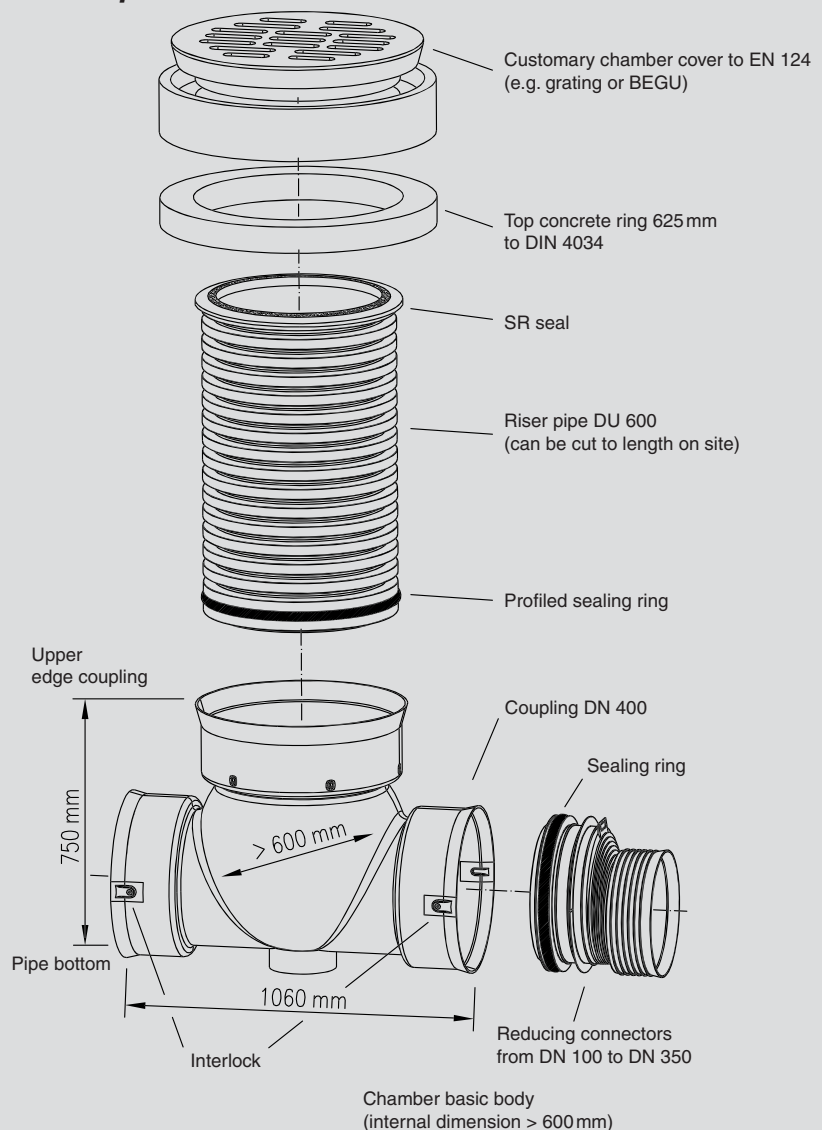
Special chamber designs on request.

SYSTEM ADVANTAGES

- Small overall length
- Full-length even-level flow channel
- Tensile interlock of reducing connectors
- For a size range of 100 mm to 400 mm pipes
- Suitable for SLW 60 classified roads
- Low weight
- High impact resistance (PE-HD)
- Customary chamber covers to EN 124



MULTI-*inspect* 600



for Use with Drainage and Carrier Pipes in Road Construction



Inlet chamber in trough with small laying depth



Storm water influx via trough

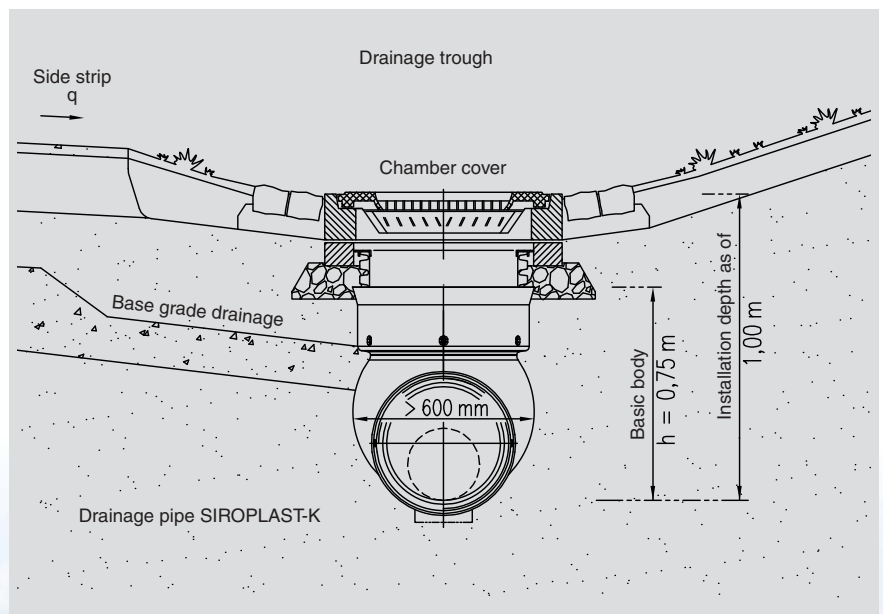
Use in traffic route engineering

Tailored to the inspection and flushing of pipe lines from 100 mm to 400 mm, the *MULTI-inspect 600* chamber is suitable for all applications in road construction. Evidence for its suitability under maximum loads as per traffic load class SLW 60 is provided by a structural analysis by FEM.

Thanks to its small overall length, a *MULTI-inspect 600* chamber is ideal for use as inlet chamber in the peripheral zones of a road. Together with a SIROPLAST-K drainage pipe, laid at shallow depth, the construction costs reduce considerably. Suitable covers are gratings to EN 124 (625 mm) or closed BEGU tops.

Compatible connectors also allow the use with AQUATUB-Rw carrier pipes.

The system is particularly helpful for cramped site conditions where contractors have to get by with narrow trenches.



Inlet chamber

Example for use as inlet chamber in road construction with trough and SIROPLAST-K drainage pipe



MULTI-inspect 600

- Inspection and flushing chamber for pipe sizes up to 400 mm in traffic route construction
- Inlet chamber in drainage troughs

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

System Accessory MULTI-*inspect* 600

Important:

- If possible, MULTI-*inspect* 600 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 ($d \geq 20$ cm). The bedding material should be compacted in layers.
- The MULTI-*inspect* 600 chamber can be used with customary chamber covers to EN 124 (e.g. BEGU tops or 625 mm gratings).

Chamber system and accessory

MULTI- <i>inspect</i> 600	Item No.
Chamber basic body of PE-HD, with 2 outlets 180°, internal dimension of basic body > 600 mm for connection of SIROPLAST-K drainage pipes and AQUATUB- <i>Rw</i> carrier pipes	
2 outlets DN 400	7053000
2 outlets DN 250*	7053001
Special designs on request	
Reducing connectors	
DN 100	7058410
DN 150	7058415
DN 200	7058420
DN 250	7058425
DN 300	7058430
DN 350	7058435
Sealing ring for reducing connector	7058400
Riser pipe (l = 100 cm)	7057700
(l = 300 cm)	7057702
Profiled sealing ring for riser pipe	7057501
Coupling for riser pipe	7057500
SR seal (end part of system followed by chamber cover (625 mm) to EN 124)	o

* in preparation

Note: The system can be used with customary chamber covers (625mm) to EN 124.

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