

tender file

Vortex flow control shaft VS-Control External L

Vortex flow control as shaft arranged after a rainwater attenuation system. With special shaft geometry for generating a vortex for controlled rainwater discharge. Integrated, exchangeable orifice dimensioned object specifically. Subsequent adjustment of flow rate possible by replacing the orifice. Compatible with GRAF Infiltration connecting piece 1000 DN 600 (24") for an installation depth of up to 6.5 m (21' 4"). Accessibility DN 600 (24").

Technical data:

- Material: PE-LLD
- Inlet: DN 200 (8")
- Outlet: DN 315 (12")
- Offset between inlet and outlet: 505 mm (19.9")
- Dimensions (l x w x h): 820 x 695 x 1435/1685/1935 mm (32.3" x 27.4" x 4' 8" / 5' 6" / 6' 4")
- Weight: approx. 33.1 kg (73.0 lbs)
- Color: grey
- Discharge capacity as a function of the water level: selectable between 3 and 65 l/s (0.79 and 17.17 US gal/s)

Product: GRAF VS-Control External L

Spare parts kit VS-Control External M/L

Spare parts kit for subsequent adjustment of the flow rate of the vortex flow control shaft VS-Control External M or the vortex flow control shaft VS-Control External L.

Technical data:

- Material: PE
- Color: grey

Product: GRAF Spare parts kit VS-Control External M/L

Infiltration connecting piece 1000 DN 600 (24"), DN 200 (8" pipe) contact surface

Infiltration connecting piece for the installation in deep soil. Compatible with the Vario 800 flex shaft system, GRAF Infiltration shaft system DN 600 (24"), VS-Control External M, VS-Control External L and GRAF underground tanks. Incl. profile seal for an entry for GRAF Telescopic dome shaft up to class D.

Technical data:

- Material: PE-LLD
- Connections: 2 x DN 200 (8" pipe) contact surface
- Dimensions: useful length 1000 mm (3' 3") / can be shortened to 750 mm (29.5") or 500 mm (19.7")
- Can be shortened with commercially available jig saws
- Weight: approx. 19.5 kg (43.0 lbs)
- Color: grey

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Product: GRAF Infiltration connecting piece 1000 DN 600 (24")

Infiltration connecting piece 1000 DN 600 (24"), DN 200 (8" pipe) pipe connection

Infiltration connecting piece for the installation in deep soil incl. DN 200 (8" pipe) pipe connection. Compatible with the Vario 800 flex shaft system, GRAF Infiltration shaft system DN 600 (24"), VS-Control External M, VS-Control External L and GRAF underground tanks. Incl. profile seal for an entry for GRAF Telescopic dome shaft up to class D.

Technical data:

- Material: PE-LLD
- Connections: 1 x DN 200 (8" pipe) contact surface and 1 x DN 200 (8" pipe) pipe connection
- Dimensions: useful length 1000 mm (3' 3.4")/ can be shortened to 750 mm (29.5") or 500 mm (19.7")
- Can be shortened with commercially available jig saws
- Weight: approx. 20.5 kg (45.2 lbs)
- Color: grey

Product: GRAF Infiltration connecting piece 1000 DN 600 (24")

Infiltration inlet module DN 600 (24")

Infiltration inlet module for different pipeline geometries. Compatible with the Vario 800 flex shaft system, GRAF Infiltration shaft system DN 600 (24"), VS-Control External M, VS-Control External L and GRAF underground tanks. Incl. profile seal for an entry for GRAF Telescopic dome shaft up to class D or other VS components.

- Material: PE-LLD
- Connections:
 - 1 x DN 150 or 1 x DN 200 (1 x 6" pipe or 1 x 8")
 - 1 x DN 250 or 1 x DN 300 (1 x 10" pipe or 1 x 12")
- Dimensions: useful lengths 550 mm (21.7")
- Weight: approx. 14 kg
- Color: grey
- Alternative use:
 - entry for GRAF Telescopic dome shaft up to class D
 - entry geometry for Infiltration filter strainer DN 600 (24" pipe)
 - design of an emergency overflow for VS-Control External M or VS-Control External L

Product: GRAF Infiltration inlet module DN 600 (24" pipe)

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Mini telescopic dome shaft with PP lid, suitable for pedestrian loading

Mini telescopic dome shaft with PP lid, suitable for pedestrian loading allows the infinitely adjustment to ground situations between:

- underground tank Carat / Carat XL: 750 and 950 mm (29.5" and 37.4")
- underground tank Platin: 455 and 655 mm (17.9" and 25.8")

Flat design for a flushed closure with the sward, can be tilted by max. 5°. Including EPDM seal, sealed up to the top edge of ground. PP cover with childproof lock.

- Length: 360 mm (14.2")
- Ø inner: 600 mm (23.6")
- Ø outer: 780 mm (30.7")
- Color: grass green

Product: GRAF Mini telescopic dome shaft with PP lid, suitable for pedestrian loading or equivalent

Maxi telescopic dome shaft with PP lid, suitable for pedestrian loading

Maxi telescopic dome shaft with PP lid, suitable for pedestrian loading allows height adjustment to ensure flush level fitting with surrounding ground surface between:

- underground tank Carat / Carat XL: 750 and 1050 mm (29.5" and 41.3")
- underground tank Platin: 455 and 755 mm (17.9" and 29.7")

Flat design for a flushed closure, can be tilted by max. 5°. Including EPDM seal, sealed up to the top edge of ground. PP cover with childproof lock.

- Length: 476 mm (18.7")
- Ø inner: 600 mm (23.6")
- Ø outer: 850 mm (33.5")
- Color: grass green

Product: GRAF Maxi telescopic dome shaft with PP lid, suitable for pedestrian loading or equivalent

Telescopic dome shaft with cast iron lid, suitable for vehicle loading

Telescopic dome shaft with class B 125 cast iron cover, suitable for vehicle loading allows height adjustment to ensure flush level fitting with surrounding ground surface between:

- underground tank Carat / Carat XL: 750 and 1050 mm (29.5" and 41.3")
- underground tank Platin: 455 and 755 mm (17.9" and 29.7")

Flat design for a flushed closure, can be tilted by max. 5°. Including EPDM seal, sealed up to the top edge of ground. Cast iron cover with childproof lock.

- Length: 476 mm (18.7")
- Ø inner: 600 mm (23.6")
- Ø outer: 850 mm (33.5")
- Color: black

Product: GRAF Telescopic dome shaft with cast iron lid, suitable for vehicle loading or equivalent

tender file

Telescopic dome shaft TRUCK for covers by customers, suitable for lorry-bearing

Telescopic dome shaft TRUCK for concrete rings, suitable for lorry-bearing allows height adjustment to ensure flush level fitting with surrounding ground surface between:

- underground tank Carat / Carat XL: 750 and 1050 mm (29.5" and 41.3")
- underground tank Platin: 455 and 755 mm (17.9" and 29.7")

Flat design for a flushed closure, can be tilted by max. 5°. Including EPDM seal, sealed up to the top edge of ground. For concrete rings and lorry-bearing covers (provided by customer).

- Length: 460 mm (18.1")
- Ø inner: 600 mm (23.6")
- Ø outer: 855 mm (33.7")
- Color: black

Product: GRAF Telescopic dome shaft TRUCK for covers by customers, suitable for lorry-bearing or equivalent

Telescopic ventilation shaft, suitable for vehicle loading, dirt trap included

Telescopic ventilation shaft, concrete/cast iron cover and dirt trap included. Suitable for vehicle loads up to a maximum of 3.5 t. Ventilation holes in the shaft cover.

Smooth telescopic adjustment from 255 mm (10") – 555 mm (1'-9.9") between ground level and:

- Infiltration shaft system DN 600 (24")
- Vario 800 flex shaft
- VS-Control External M
- VS-Control External L

Flat design for a flushed closure with the surface, can be tilted by max. 5°. Including EPDM seal, sealed up to the top edge of ground.

- Length: 575 mm (1'-10.6"), concrete/cast iron cover included
- Inner diameter: 600 mm (1'-11.6")
- Outside-diameter: 855 mm (2'-9.7")
- Weight: 116 kg (255.7 lbs)

Product: GRAF Telescopic ventilation shaft, vehicle or equivalent

Telescopic ventilation shaft, suitable for lorry loading, dirt trap included

Telescopic ventilation shaft, concrete/cast iron cover and dirt trap included. Suitable for vehicle or truck loads up to a maximum of 40 t. Ventilation holes in the shaft cover.

Smooth telescopic adjustment from 290 mm (11") – 590 mm (1'-11") between ground level and:

- Infiltration shaft system DN 600 (24")
- Vario 800 flex shaft
- VS-Control External M
- VS-Control External L



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Flat design for a flushed closure with the surface, can be tilted by max. 5°. Including EPDM seal, sealed up to the top edge of ground.

- Length: 610 mm (2') ,concrete/cast iron cover included
- Inner diameter: 600 mm (1'-11.6")
- Outside-diameter: 855 mm (2'-9.7")
- Weight: 189 kg (416.7 lbs)

Product: GRAF Telescopic ventilation shaft, lorry or equivalent