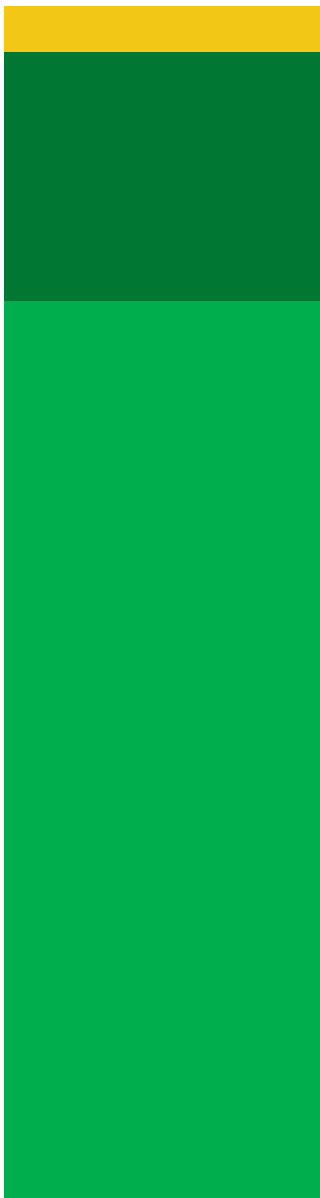
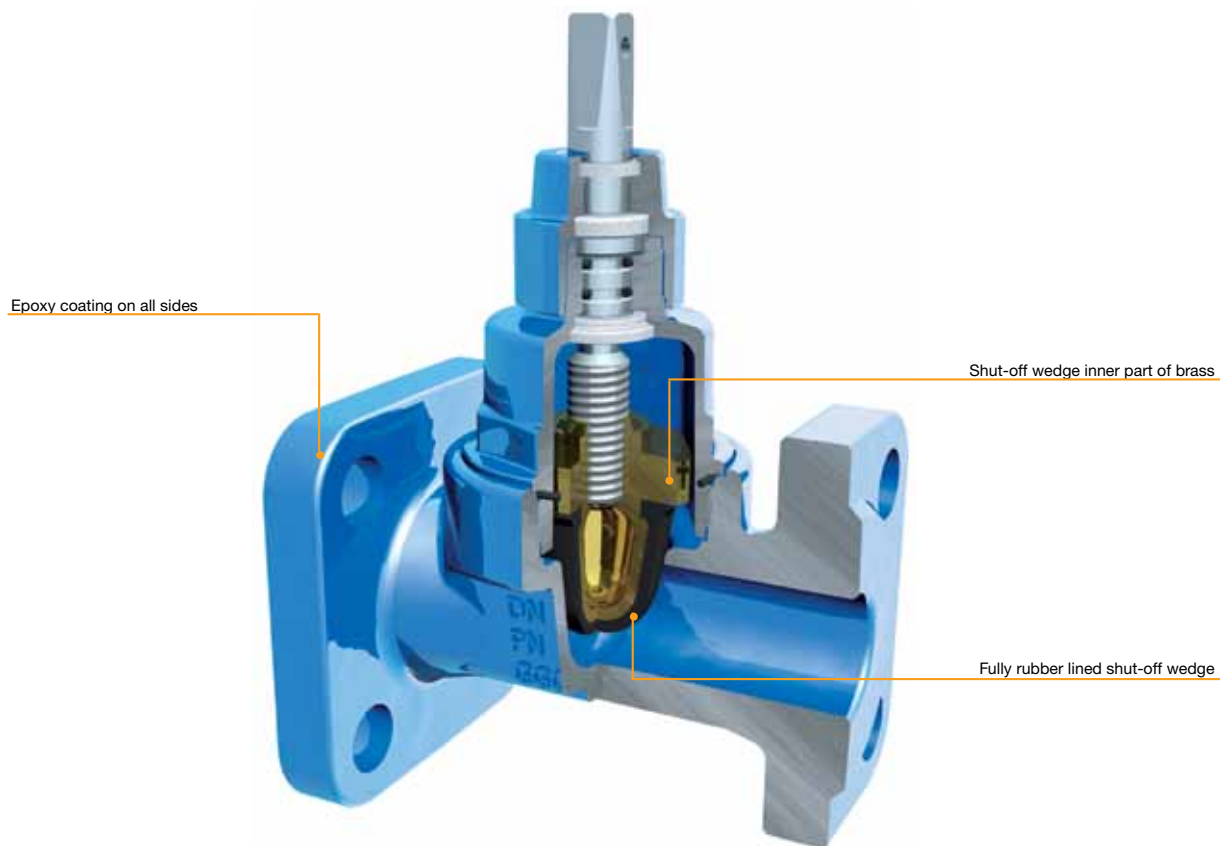


VAG House Connection Valves





VAG BETA® HA Gate Valve



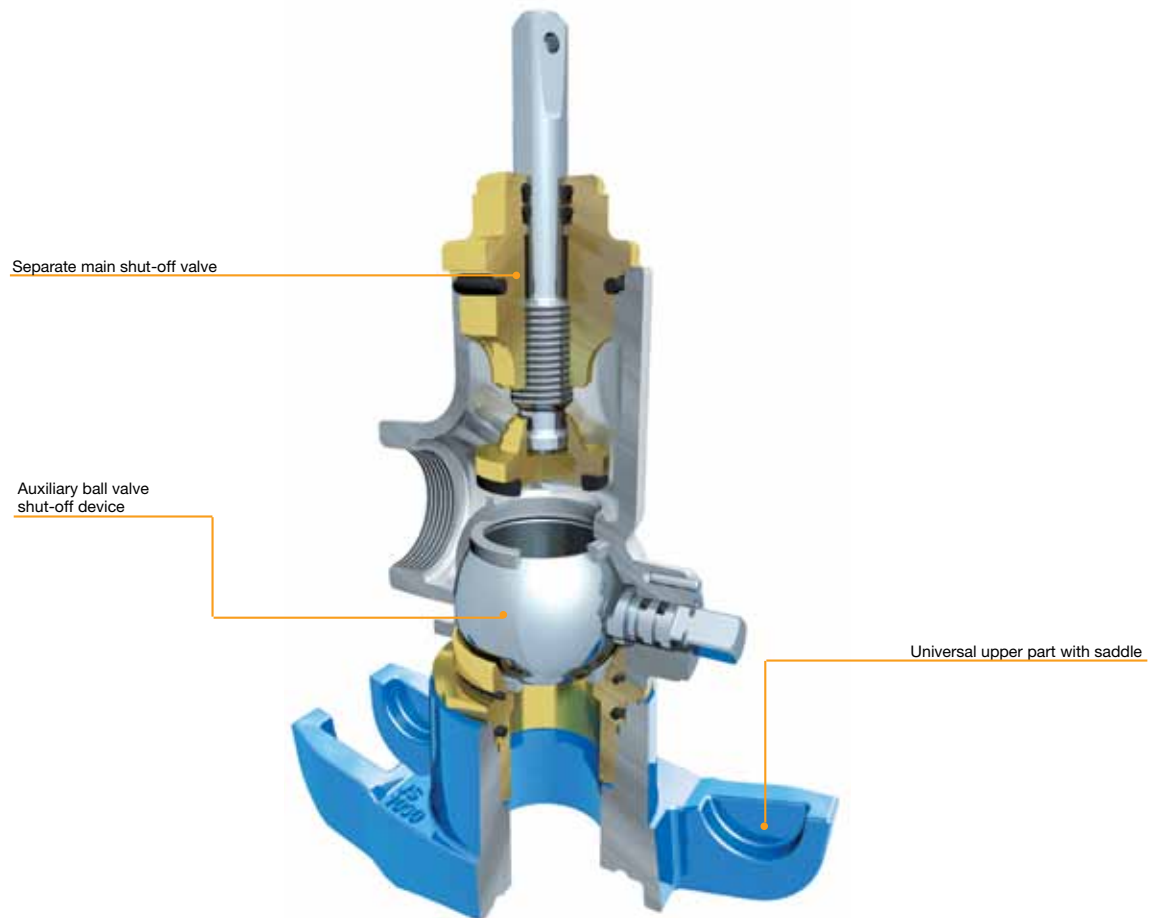
Technical details

- Nominal pressure PN 16
- Nominal diameters
 - at both ends flange DN 25...DN 32
 - at both ends thread DN 32...DN 50
- Field of application: Drinking water
- Length in accordance with EN 558-1, basic series 15
- Standard version: soft sealing, bonnet of brass, body and wedge of ductile iron EN-GJS-400-15 (GGG-40), wedge additionally EPDM vulcanised on all sides, at both ends of flange connection in accordance with EN 1092-2
- Varieties at both ends thread: Threaded joint connection, female thread according to ISO 228/length according to EN 558-1, basic series M2/M4
- Internally and externally epoxy coated

Product features

- Simple and easy operation by shut-off wedge inner part of brass.
- Secure seal by fully rubber lined shut-off wedge.
- Optimum corrosion protection by epoxy coating on all sides.

VAG TERRA® M1 Tapping Bridge



Technical details

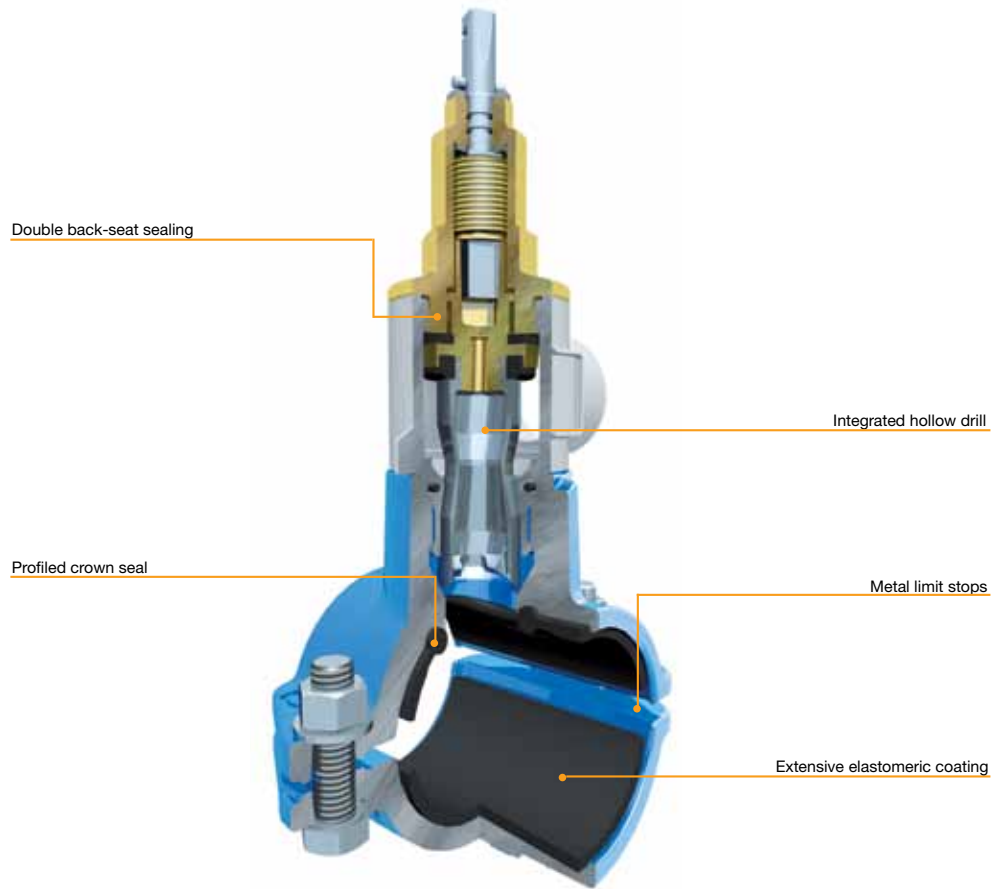
- Nominal pressure PN 16
- Nominal diameters DN 80...DN 400
- Field of application: Drinking water
- Standard version: Upper part of tapping valve body and valve unit of brass, pipeline connection of ductile iron EN-GJS-400-15 (GGG-40), stem of stainless steel 1.4021, bolts, nuts and washers of stainless steel A2 (DIN EN ISO 3506), auxiliary ball valve shut-off device of stainless materials
- For cast iron and steel pipes
- Tapping direction: Vertical
- System: External tapping device with tapping machine
- Maximum tapping diameter 38 mm
- Extraction with female thread G 1 1/2"
- Design according to DIN 3543, Part 2
- Pipeline connection: Internally and externally epoxy coated

Product features

- Tapping from above under pressure for
 - Cast iron pipes
 - Steel pipes
 - Cement-bound pipes.
- Same tapping valve for all DN, thus optimised storage.
- With separate main shut-off device for shutting off the house connection pipeline afterwards.
- Easy installation in pipe trench via integrated, easy to operate auxiliary ball valve shut-off device.
- Universal upper part with saddle for VAG clamping pieces for improved storage.



VAG TERRA® K1 Tapping Bridge



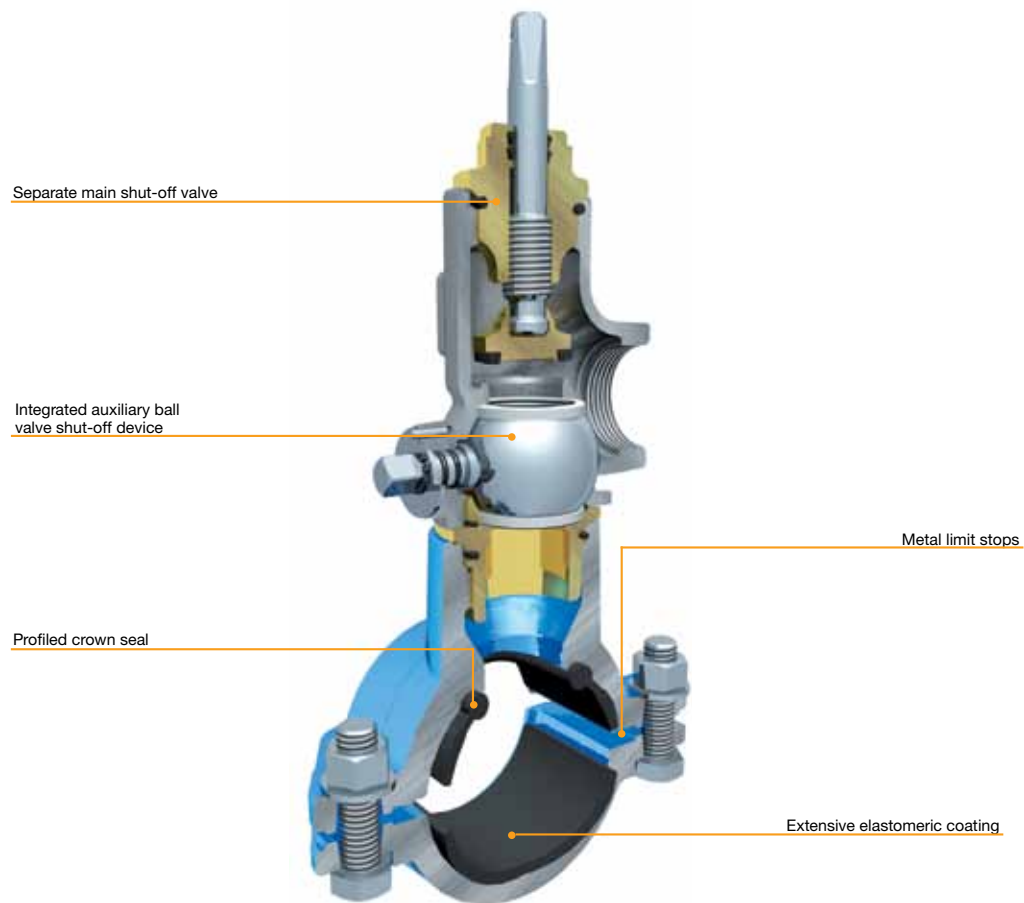
Technical details

- Nominal pressures PN 10 / PN 16
- Nominal diameters DN 80...DN 200
- Field of application: Drinking water
- Standard version: Pipeline connection and clamping piece of ductile iron EN-GJS-400-15 (GGG-40), upper part of tapping valve body and valve body of brass, stem of stainless steel 1.4021, bolts, nuts and washers of stainless steel A2 (DIN EN ISO 3506)
- Tapping direction: Vertical
- System: Self-tapping device
- Tapping diameter:
 - DN 80...100 = 27 mm
 - DN 125...200 = 38 mm
- Extraction with female thread G 1 ½"
- Design according to DIN 3543, Part 2
- Pipeline connection and clamping piece: internally and externally epoxy coated

Product features

- Tapping from above under pressure for
 - PE-HD pipes PE 80 and PE 100
 - PVC pipes.
- After tapping, the integrated optimised hollow drill remains as the main shut-off device and encloses the drilled fragments. The drilled plug permanently seals the drill so that no drilled fragments enter the pipeline network.
- Tapping with no tapping machine and with no auxiliary shut-off device, thus reducing installation time.
- Double back-seat seal prevents incrustation, thus there is no danger of the driving thread becoming blocked.
- Profiled crown seal provides secure seal to service pipeline.
- Secure connection to service pipeline via extensive elastomer coating of the saddle.
- Highly reliable installation via the saddle component's metallic limit stops.

VAG TERRA® K3 Tapping Bridge



Technical details

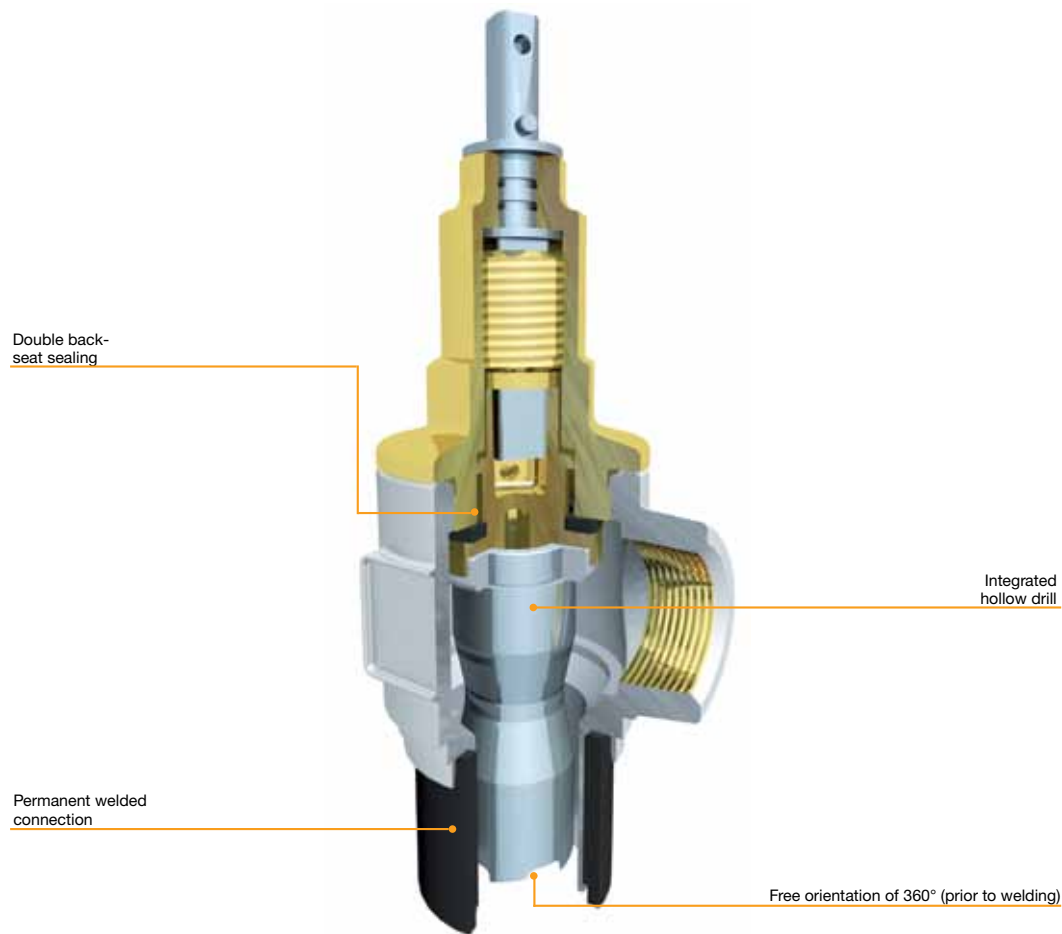
- Nominal pressure PN 16
- Nominal diameters DN 80...DN 300
- Field of application: Drinking water
- Standard version: Pipeline connection and fixing element of ductile iron EN-GJS-400-15 (GGG-40), upper part of tapping valve body and valve unit of brass, stem of stainless steel 1.4021, bolts, nuts and washers of stainless steel A2 (DIN EN ISO 3506), auxiliary ball shut-off device of stainless materials
- Tapping direction: Vertical
- System: External tapping device with tapping machine
- Maximum tapping diameter 38 mm
- Tapping diameter of PVC pipes (DIN 19532):
 - DN 80...100 max. 27 mm
 - DN 125 max. 33 mm
 - DN 150...300 max. 38 mm
- Extraction with female thread G 1 ½"
- Pipeline connection and clamping piece: internally and externally epoxy coated

Product features

- Tapping from above under pressure for
 - PE-HD pipes PE 80 and PE 100
 - PVC pipes.
- With separate main shut-off device for shutting off the house connection pipeline afterwards.
- Easy installation in pipe trench via integrated, easy to operate auxiliary ball valve shut-off device.
- Profiled crown seal provides secure seal to service pipeline.
- Secure connection to service pipeline via extensive elastomer coating of the saddle.
- Highly reliable installation via the saddle component's metallic limit stops.



VAG TERRA® K2 Tapping Bridge



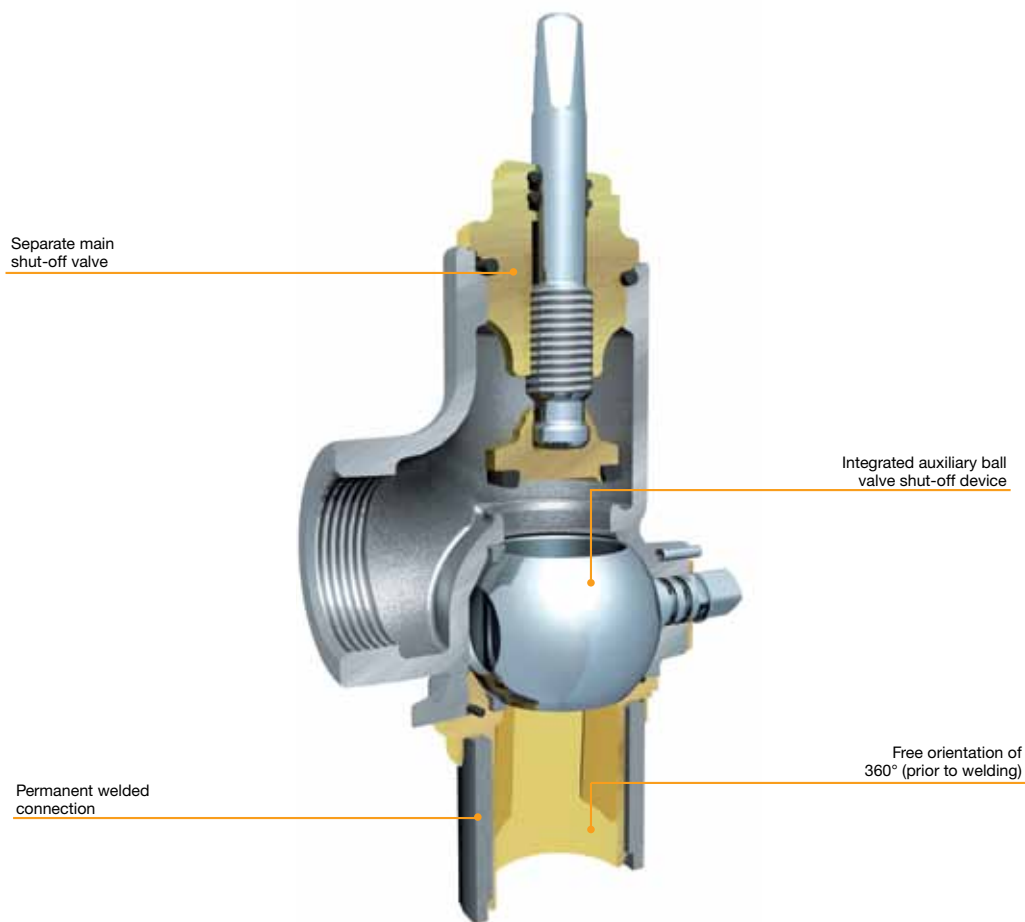
Technical details

- Nominal pressures PN 10 / PN 16
- Nominal diameters DN 80...DN 300
- Field of application: Drinking water
- Standard version: Upper part of tapping valve body and valve unit with hollow drill of brass, stem of stainless steel 1.4021, bolts, nuts and washers of stainless steel A2 (DIN EN ISO 3506)
- Tapping direction: Vertical
- System: Self-tapping device
- Tapping diameter 34 mm
- Extraction with female thread G 1 1/2"

Product features

- Tapping from above under pressure for PE-HD pipes PE 80 and PE 100.
- Same tapping valve for all DN, thus optimised storage.
- Tapping with no tapping machine and with no auxiliary shut-off device, thus reducing installation time.
- After tapping, the integrated optimised hollow drill remains as the main shut-off device and encloses the drilled fragments. The drilled plug permanently seals the drill so that no drilled fragments enter the pipeline network.
- Permanent fixed connection to PE-HD pipe via heating-coil welding with welding-on pipe saddle.
- Easy installation via 360° free orientation of extraction (prior to welding).
- Double back-seat seal prevents incrustation, thus there is no danger of the driving thread becoming blocked.

VAG TERRA® K4 Tapping Bridge



Technical details

- Nominal pressure PN 16
- Nominal diameters DN 80...DN 300
- Field of application: Drinking water
- Standard version: Upper part of tapping valve body and valve unit with hollow drill of brass, stem of stainless steel 1.4021, bolts, nuts and washers of stainless steel A2 (DIN EN ISO 3506)
- Tapping direction: Vertical
- System: External tapping device with tapping machine
- Maximum tapping diameter 38 mm
- Extraction with female thread G 1 1/2"
- Design according to DIN 3543, Part 4

Product features

- Tapping from above under pressure for PE-HD pipes PE 80 and PE 100.
- Easy installation in pipe trench via integrated, easy to operate auxiliary ball valve shut-off device.
- Same tapping valve for all DN, thus optimised storage.
- Permanent fixed connection to PE-HD pipe via heating-coil welding with welding-on pipe saddle.
- Easy installation via 360° free orientation of extraction (prior to welding).
- With separate main shut-off device for shutting off the house connection pipeline afterwards.



VAG TERRA® K12 Tapping Bridge



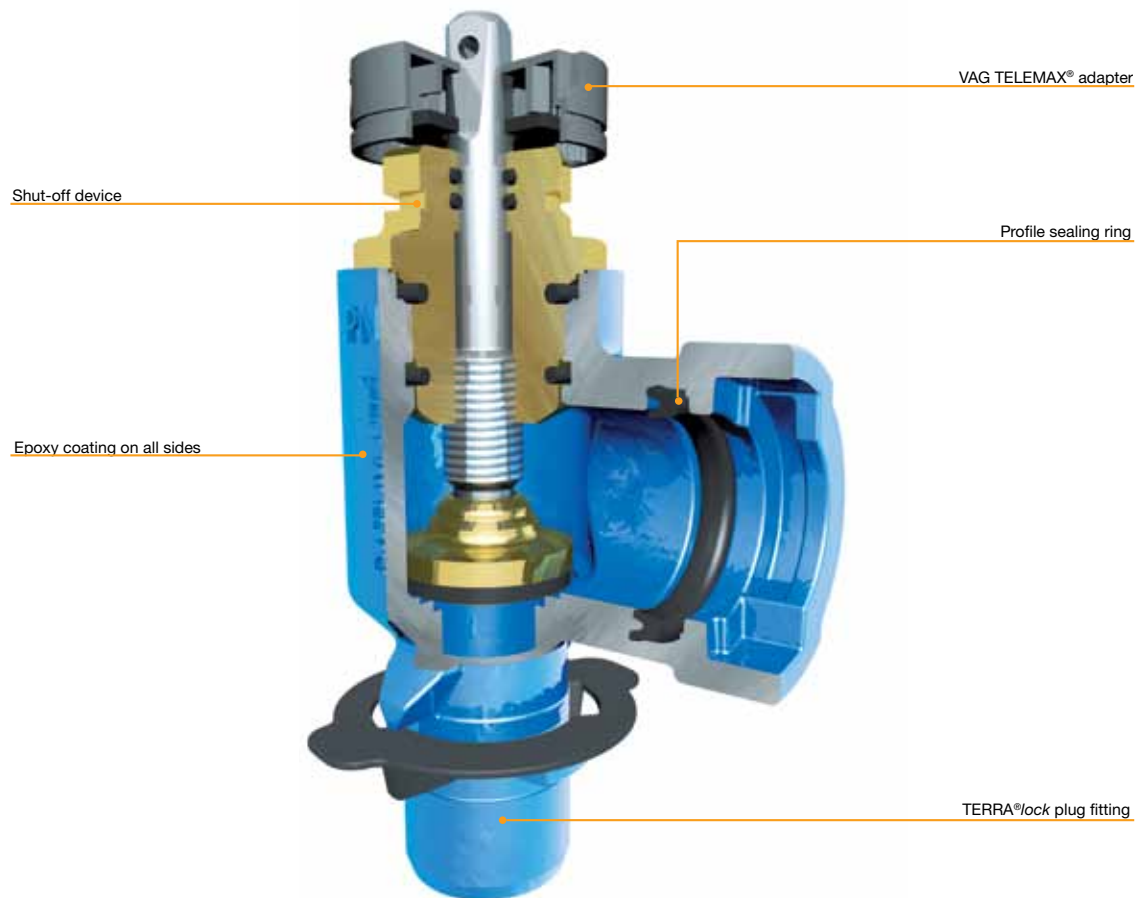
Technical details

- Nominal pressure PN 10 / PN 16
- Nominal diameters DN 80...DN 300
- Field of application: Drinking water
- Standard version: Upper part of tapping valve and welding-on saddle of PE 100 with valve inner unit of brass, drilling tool and stem of stainless steel 1.4021, bolts, nuts, washers of stainless steel A2 (DIN EN ISO 3506)
- Tapping direction: Vertical
- System: Self-tapping device
- Tapping diameter 30 mm

Product features

- Tapping from above under pressure for PE-HD pipes PE 80 and PE 100.
- Easy installation via 360° free orientation of extraction (prior to welding).
- Integrated optimised drilling tool remains as main shut-off device after tapping. The drilled plug permanently seals the drill so that no borings enter the pipeline network.
- Permanent fixed connection to PE-HD pipe via heating-coil welding with welding-on pipe saddle.
- Same tapping valve for all DN, thus optimised storage.
- Low torque operation and chipless cutting via integrated drilling tool of stainless steel with special shaft profile.
- Tapping with no tapping machine and with no auxiliary shut-off device, thus reducing installation time.
- Double back-seat seal prevents incrustation, thus there is no danger of the driving thread becoming blocked.
- Special round thread as driving thread provides high reliability when dirty.

VAG TERRA[®]lock tapping valve



Technical details

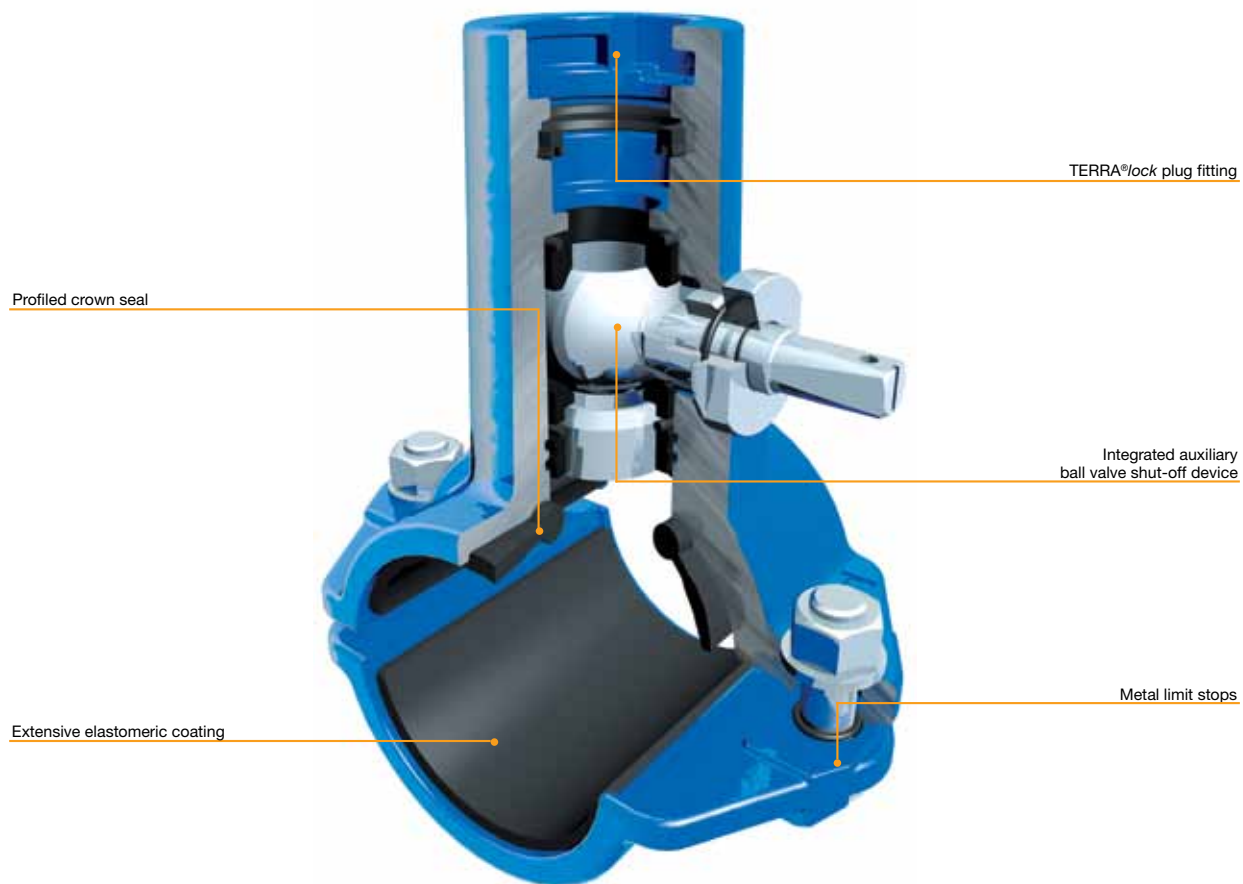
- Nominal pressure PN 16
- Nominal diameters DN 32
- Field of application: Drinking water
- Standard version: Tapping valve body of ductile iron EN-GJS-400-15 (GGG-40), valve unit of brass
- Tapping direction: Vertical
- Design according to DIN 3543, Part 2
- Tapping valve body: Internally and externally epoxy coated

Product features

- VAG TERRA[®]lock plug fitting with patented flexible lock ring for quick, easy and threadless manual installation and corrosion resistance.
- Universal VAG TERRA[®]lock tapping valve for optimised storage.
- With separate main shut-off device for shutting off the house connection pipeline afterwards.
- Connection geometry for assembly fittings according to DVGW Guideline 336, thus play-free and dirt-resistant connection.
- Tight and dirt-free connection via lockable connection for VAG TELEMAT[®] assembly fittings.
- Easy installation via swivelling VAG TERRA[®]lock plug fitting.
- Optimum corrosion protection by epoxy coating on all sides.



VAG TERRA®/lock Connecting piece K3



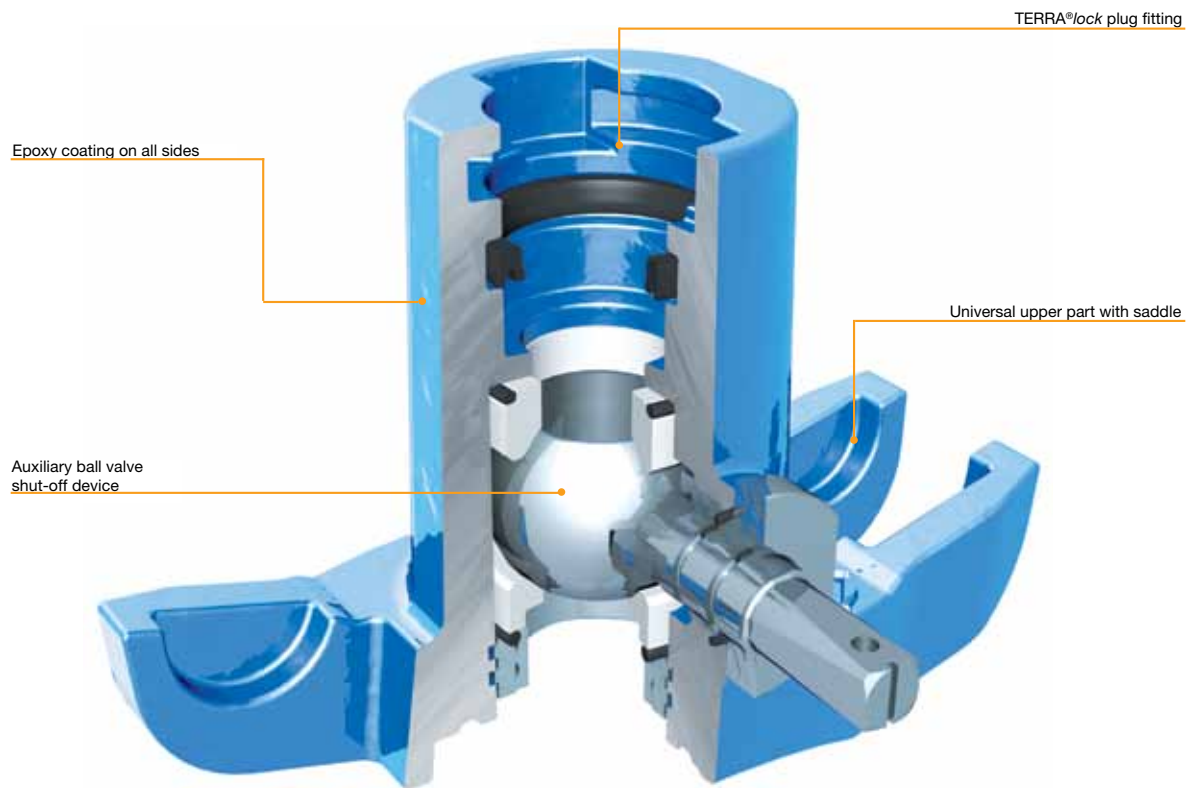
Technical details

- Nominal pressure PN 16
- Nominal diameters DN 80...DN 200
- Field of application: Drinking water
- Standard version: Saddle and clamping piece of ductile iron EN-GJS-400-15 (GGG-40), bolts, nuts and washers of stainless steel A2 (DIN EN ISO 3506), auxiliary ball shut-off device of stainless materials
- Tapping direction: Vertical and horizontal
- System: External tapping device with tapping machine
- Design according to DIN 3543, Part 2
- Maximum tapping diameter 31 mm
- Saddle and clamping piece: Internally and externally epoxy coated

Product features

- Tapping from above under pressure for
 - PE-HD pipes PE 80 and PE 100
 - PVC pipes.
- Easy installation in pipe trench via integrated, easy to operate auxiliary ball valve shut-off device.
- Profiled crown seal provides secure seal to service pipeline.
- Secure connection to service pipeline via extensive elastomer coating of the saddle.
- Highly reliable installation via the wrap component's metallic limit stops.
- VAG TERRA®/lock plug fitting with patented flexible lock ring for quick, easy and threadless manual installation and corrosion resistance.
- Easy installation via swivelling VAG TERRA®/lock plug fitting.
- Optimum corrosion protection by epoxy coating on all sides.

VAG TERRA®/lock Saddle M1



Technical details

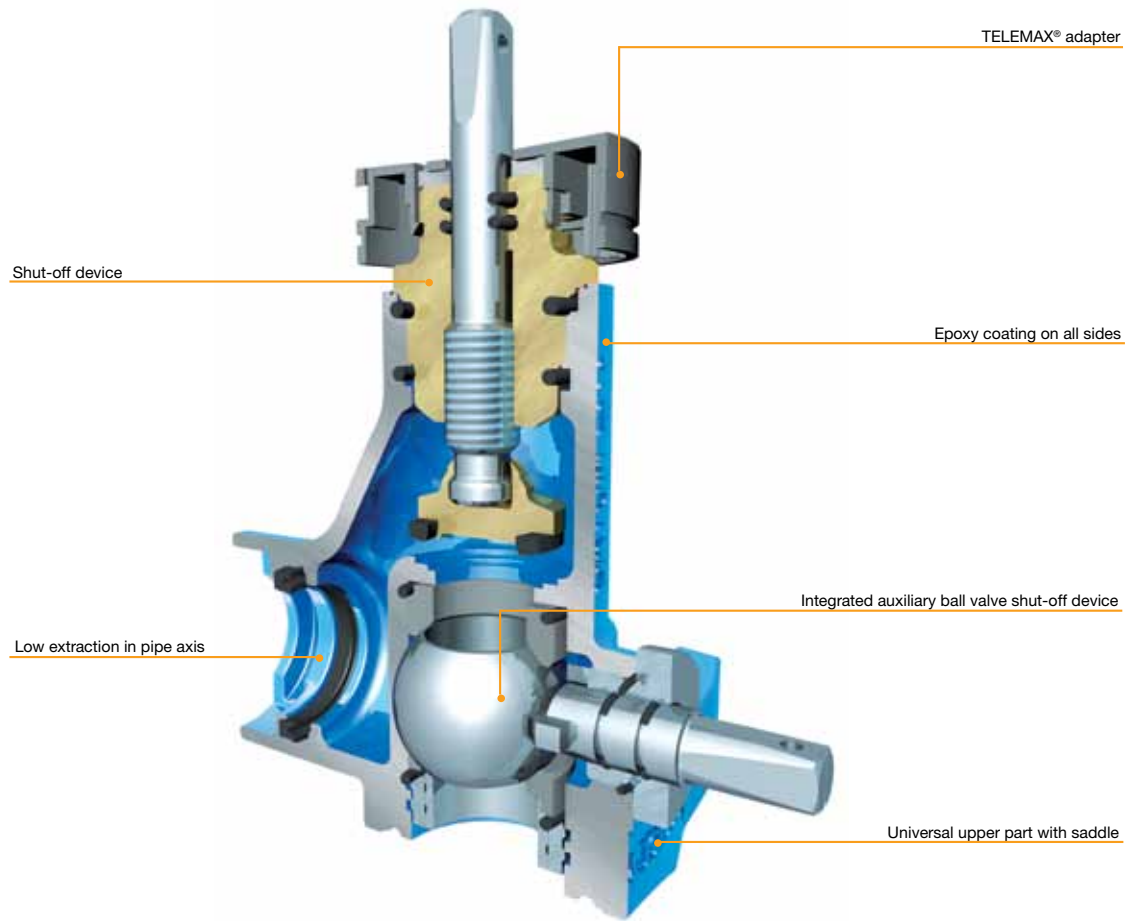
- Nominal pressure PN 16
- Nominal diameters DN 80...DN 400
- Field of application: Drinking water
- Standard version: Saddle of ductile iron EN-GJS-400-15 (GGG-40), auxiliary ball valve shut-off device of stainless materials
- Tapping direction: Vertical and horizontal
- System: External tapping device with tapping machine
- Maximum tapping diameter 31 mm
- Design according to DIN 3543, Part 2
- Saddle: Internally and externally epoxy coated

Product features

- Tapping from above under pressure for
 - Cast iron pipes
 - Steel pipes
 - Cement-bound pipes.
- Easy installation in pipe trench via integrated, easy to operate auxiliary ball valve shut-off device.
- Universal upper part with saddle for VAG clamping pieces for improved storage.
- VAG TERRA®/lock plug fitting with patented flexible lock ring for quick, easy and threadless manual installation and corrosion resistance.
- Easy installation via swivelling VAG TERRA®/lock plug fitting.
- Optimum corrosion protection by epoxy coating on all sides.



VAG TERRA®/lock Tapping Bridge M2



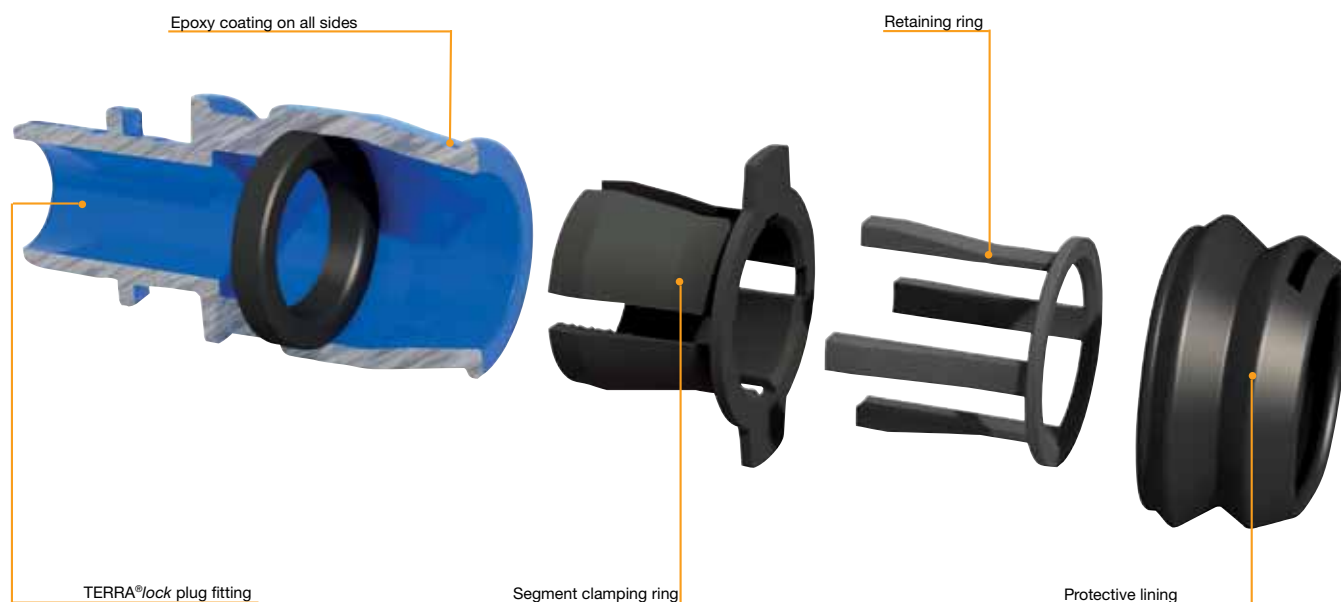
Technical details

- Nominal pressure PN 16
- Nominal diameters DN 80...DN 400
- Field of application: Drinking water
- Standard version: Valve unit of brass, saddle of ductile iron EN-GJS-400-15 (GGG-40), stem of stainless steel 1.4021, auxiliary ball valve shut-off device of stainless materials, with lateral extraction in pipe axis
- Tapping direction: Vertical
- System: External tapping device with tapping machine
- Design according to DIN 3543, Part 2
- Maximum tapping diameter 31 mm
- Body: Internally and externally epoxy coated

Product features

- Tapping from above under pressure for
 - Cast iron pipes
 - Steel pipes
 - Cement-bound pipes.
- Easy installation in pipe trench via integrated, easy to operate auxiliary ball valve shut-off device.
- With separate main shut-off device for shutting off the house connection pipeline afterwards.
- Universal upper part with saddle for VAG clamping pieces for improved storage.
- VAG TERRA®/lock plug fitting with patented flexible lock ring for quick, easy and threadless manual installation and corrosion resistance.
- Tight and dirt-free connection via lockable connection for VAG TELEMAX® assembly fittings.
- Easy installation via swivelling VAG TERRA®/lock plug fitting.
- Optimum corrosion protection by epoxy coating on all sides.
- With low extraction immediately above the crown of the pipeline, thus assembly benefits in difficult installation situations.

VAG TERRA®lock plug fitting



Technical details

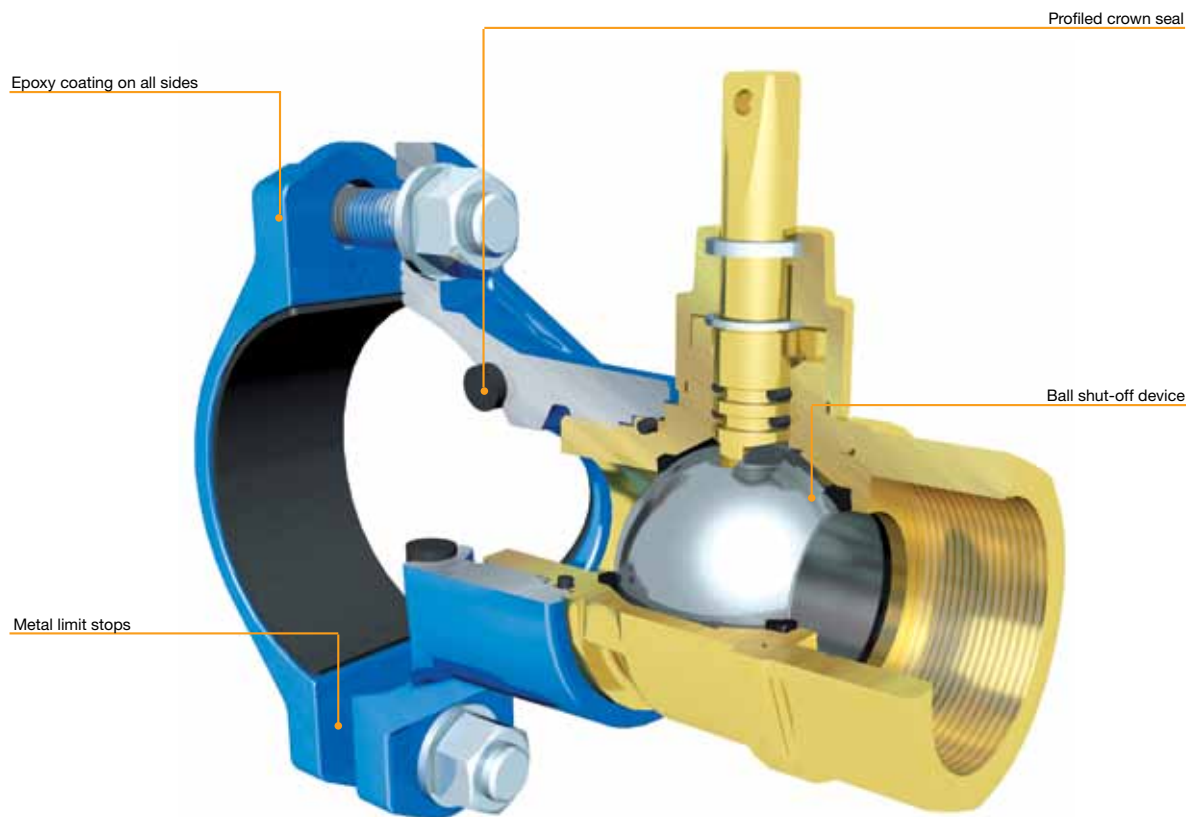
- Nominal pressure PN 16
- Nominal diameters DN 25...DN 40
- Field of application: Drinking water
- Standard version: Body of ductile iron ENJS 1030 (GGG-40), segment clamping ring, supporting ring, support sleeves and lock ring of plastic
- Plug fitting for plastic pipes: PE 100 SDR 11 according to DIN 8074 / PEX pipes SDR 11 according to DIN 16896
- Design according to DIN 8076-1
- Body: Internally and externally epoxy coated

Product features

- VAG TERRA®lock plug fitting with patented flexible lock ring for quick, easy and threadless manual installation and corrosion resistance.
- Patented detachable plug fitting by means of segment clamping ring of plastic, thus easy disassembly of the house connection pipeline.
- Operationally safe by secure retaining function of the segment clamping ring.
- Protection from intrusion of dirt via protective elastomer lining increases the service life.
- Optimum corrosion protection by epoxy coating on all sides.



VAG HOD 502 Tapping Bridge



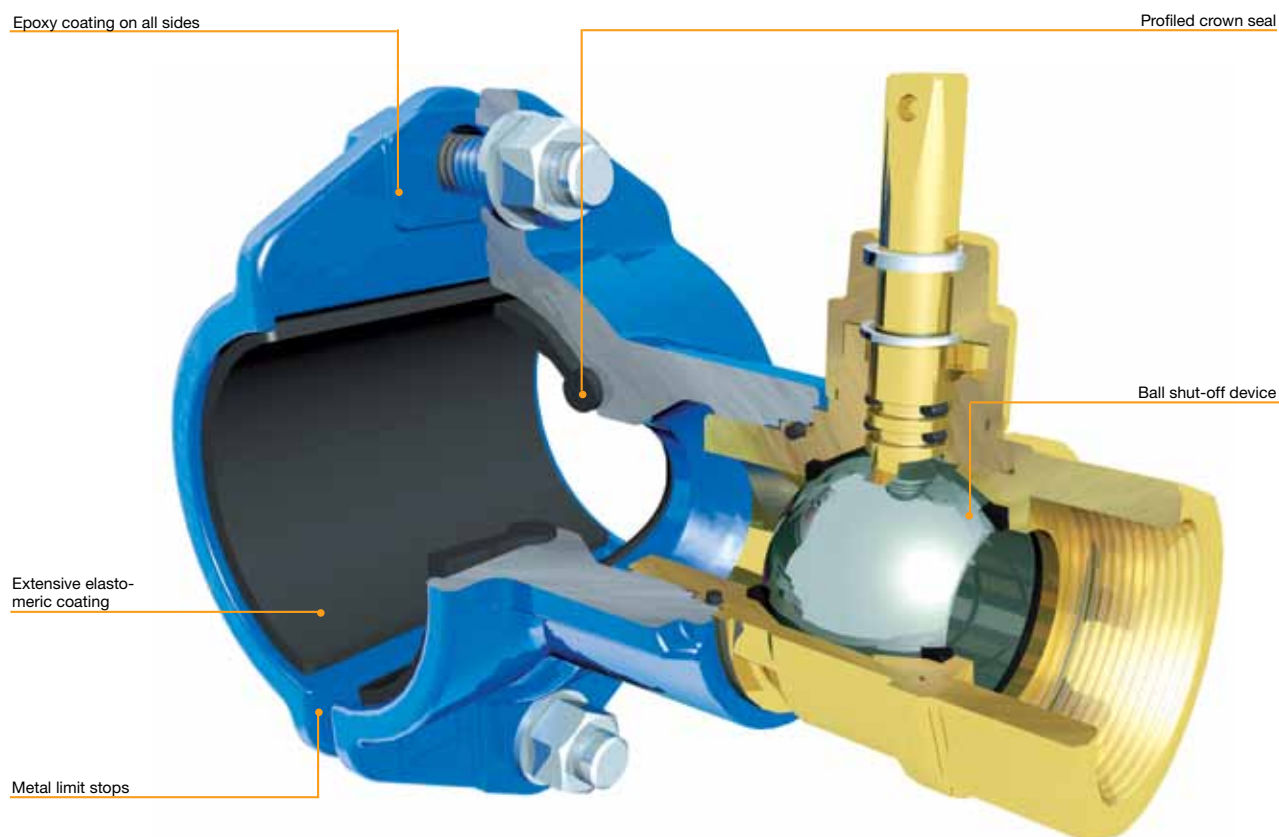
Technical details

- Nominal pressure PN 16
- Nominal diameters DN 80...DN 200
- Field of application: Drinking water
- Standard version: Saddle and clamping piece of ductile iron EN-GJS-400-15 (GGG-40), upper part of valve body of brass, bolts, nuts and washers of stainless steel A2 (DIN EN ISO 3506)
- Tapping direction: Horizontal
- System: External tapping device with tapping machine
- Maximum tapping diameter:
 - for extraction G 1" = 25 mm
 - for extraction G 1¼" = 30 mm
 - for extraction G 1½" = 30 mm
 - for extraction G 2" = 38 mm
- Saddle and clamping piece: Internally and externally epoxy coated

Product features

- Lateral tapping under pressure for:
 - Cast iron pipes
 - Steel pipes.
- Profiled crown seal provides secure seal to service pipeline.
- Highly reliable installation via the saddle component's metallic limit stops.
- Optimum corrosion protection by epoxy coating on all sides.
- Simple and easy closing via ball shut-off device.

VAG HOD 506 Tapping Bridge



Technical details

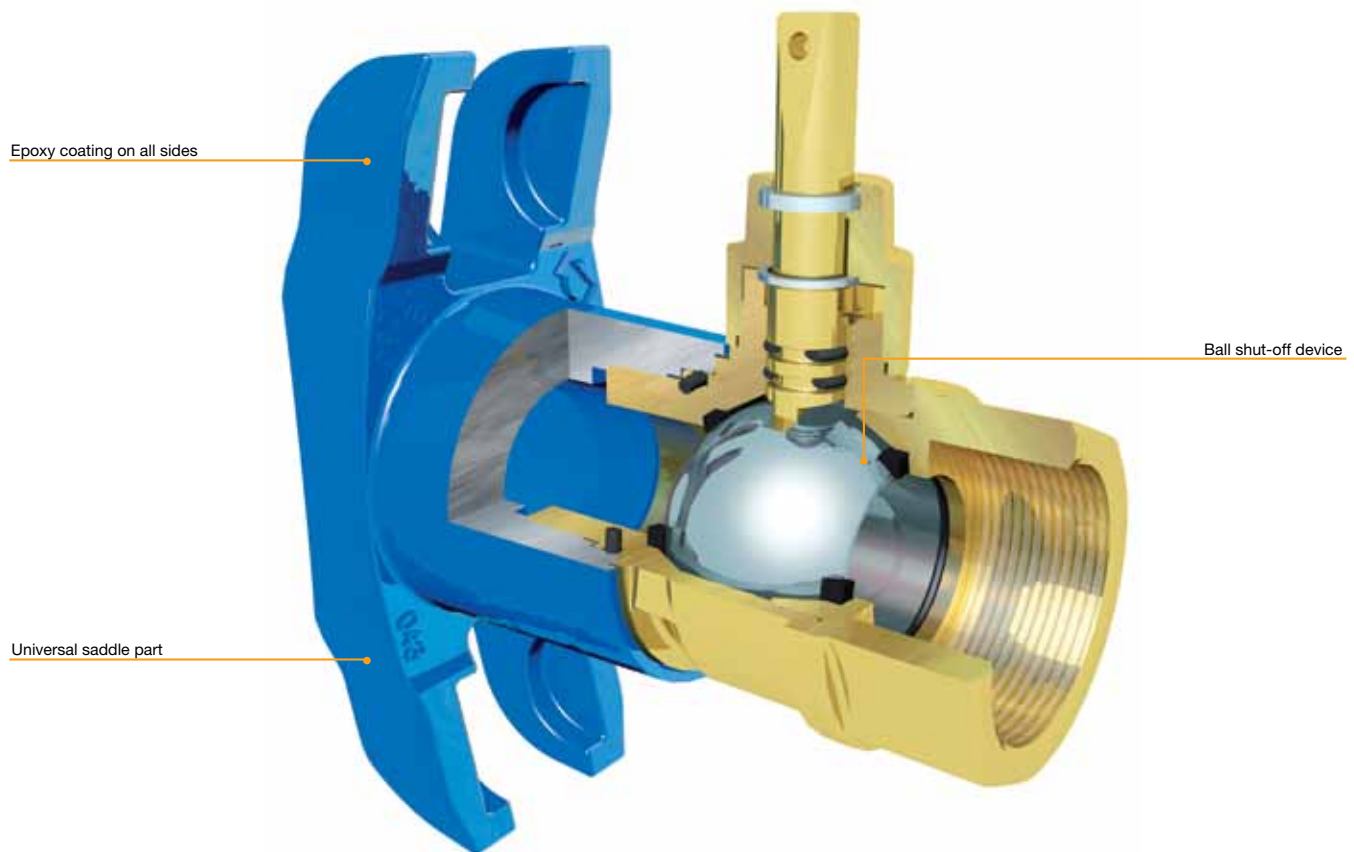
- Nominal pressure PN 16
- Nominal diameters DN 50...DN 300
- Field of application: Drinking water
- Standard version: Saddle and clamping piece of ductile iron EN-GJS-400-15 (GGG-40), upper part of valve body of brass, bolts, nuts and washers of stainless steel A2 (DIN EN ISO 3506)
- Tapping direction: horizontal
- System: External tapping device with tapping machine
- Maximum tapping diameter:
 - for extraction G 1" = 25 mm
 - for extraction G 1¼" = 30 mm
 - for extraction G 1½" = 30 mm
 - for extraction G 2" = 38 mm
- Tapping diameter of PVC pipes (DIN 19532):
 - DN 80...100 max. 27 mm
 - DN 125 max. 33 mm
 - DN 150...200 max. 38 mm
- Saddle and clamping piece: Internally and externally epoxy coated

Product features

- Lateral tapping under pressure for:
 - PVC pipes
 - PE-HD pipes PE80 and PE100.
- Profiled crown seal provides secure seal to service pipeline.
- Secure connection to service pipeline via an extensive elastomer coating of the saddle.
- Highly reliable installation via the wrap component's metallic limit stops.
- Optimum corrosion protection by epoxy coating on all sides.
- Simple and easy closing via ball shut-off device.



VAG HOD 508 Tapping Bridge



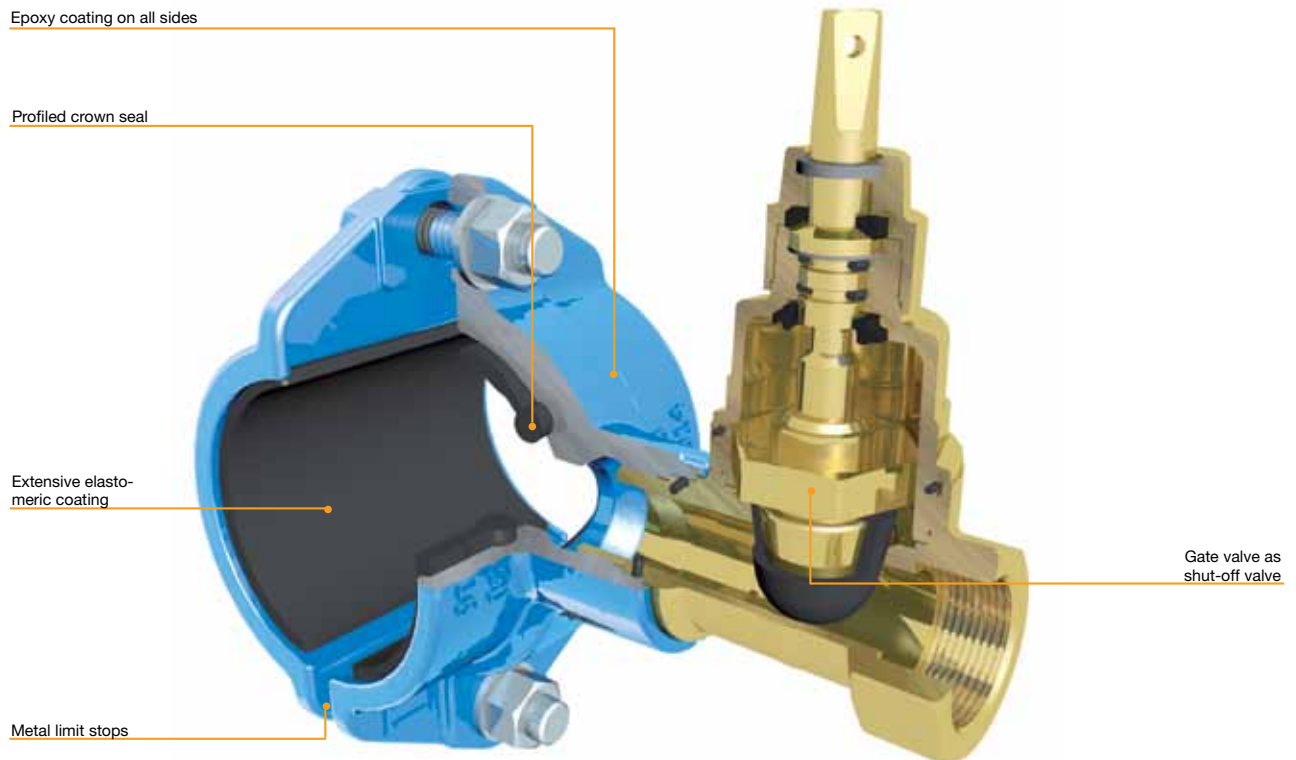
Technical details

- Nominal pressure PN 16
- Nominal diameters DN 80...DN 400
- Field of application: Drinking water
- Standard version: Saddle and clamping piece of ductile iron EN-GJS-400-15 (GGG-40), upper part of valve body of brass
- Tapping direction: Horizontal
- System: External tapping device with tapping machine
- Maximum tapping diameter:
 - for extraction G 1" = 25 mm
 - for extraction G 1¼" = 30 mm
 - for extraction G 1½" = 30 mm
 - for extraction G 2" = 38 mm
- Saddle: Internally and externally epoxy coated

Product features

- Lateral tapping under pressure for:
 - Cast iron pipes
 - Steel pipes
 - Cement-bound pipes.
- Universal upper part with saddle for VAG clamping pieces for improved storage.
- Optimum corrosion protection by epoxy coating on all sides.
- Simple and easy closing via ball shut-off device.

VAG HOD 510 Tapping Bridge



Technical details

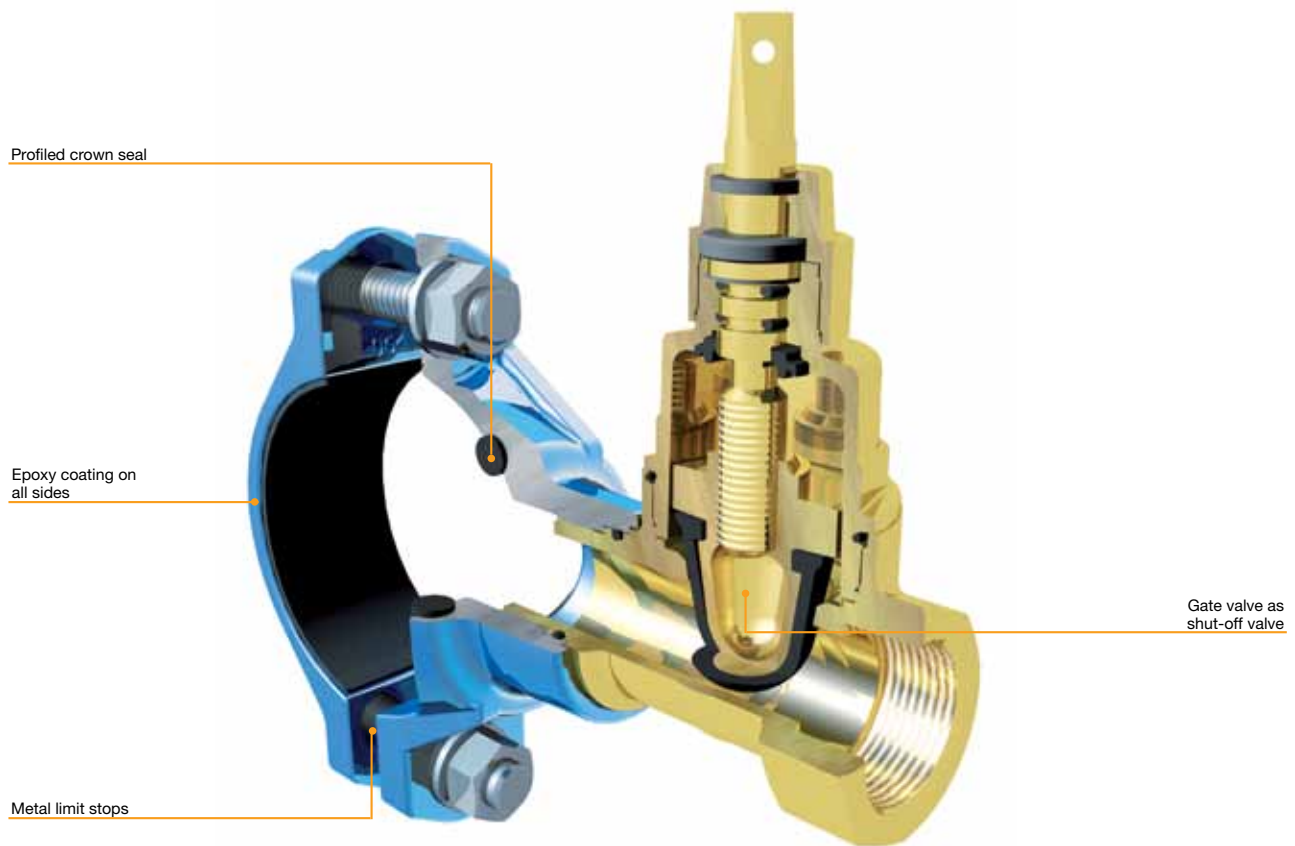
- Nominal pressure PN 16
- Nominal diameters DN 50...DN 300
- Field of application: Drinking water
- Standard version: Saddle and clamping piece of ductile iron EN-GJS-400-15 (GGG-40), upper part of valve body of brass, bolts, nuts and washers of stainless steel A2 (DIN EN ISO 3506)
- Tapping direction: Horizontal
- System: External tapping device with tapping machine
- Maximum tapping diameter:
 - for extraction G 1" = 25 mm
 - for extraction G 1¼" = 30 mm
- Tapping diameter of PVC pipes (DIN 19532):
 - DN 80...100 max. 27 mm
 - DN 125 max. 33 mm
 - DN 150...200 max. 38 mm
- Saddle and clamping piece: Internally and externally epoxy coated

Product features

- Lateral tapping under pressure for:
 - PVC pipes
 - PE-HD pipes PE80 and PE100.
- Simple and easy operation via integrated gate valve as shut-off valve.
- Profiled crown seal provides secure seal to service pipeline.
- Secure connection to service pipeline via an extensive elastomer coating of the saddle.
- Highly reliable installation via the wrap component's metallic limit stops.
- Optimum corrosion protection by epoxy coating on all sides.



VAG HOD 511 Tapping Bridge



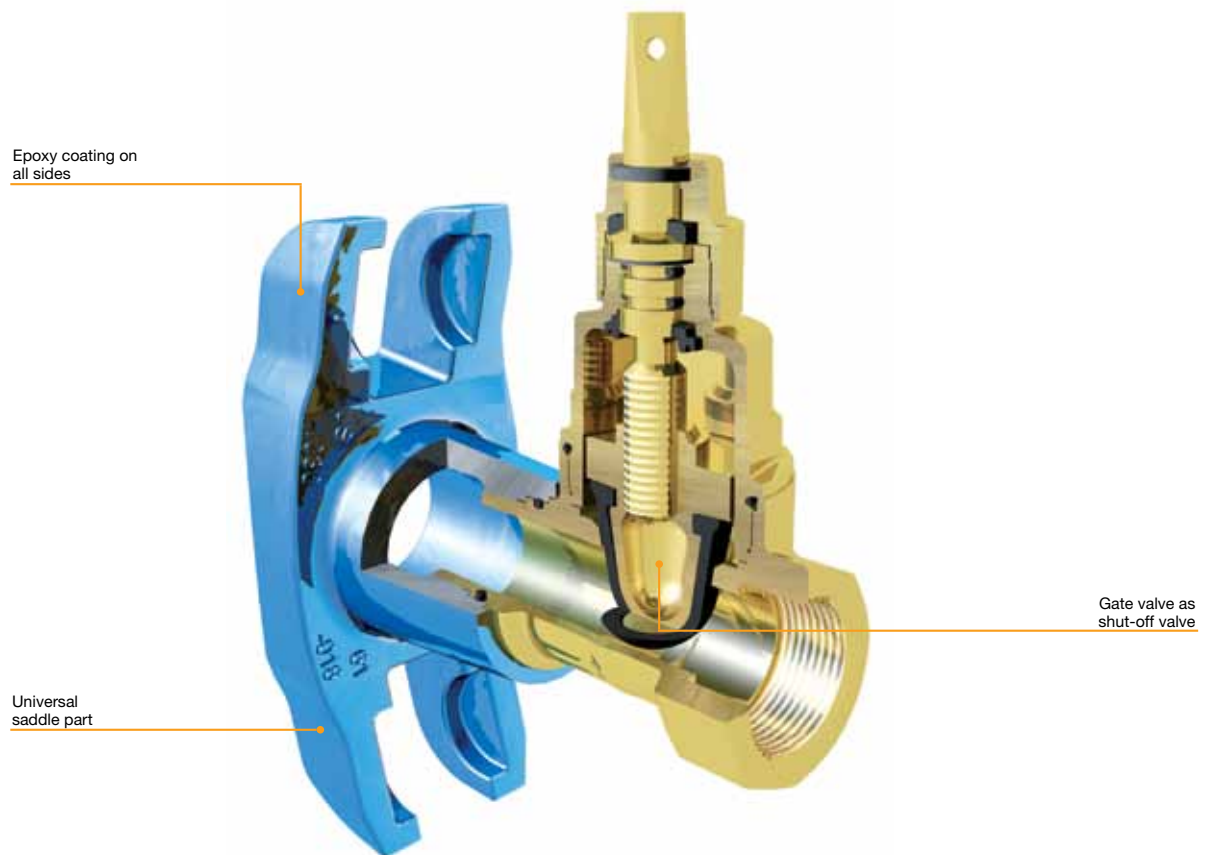
Technical details

- Nominal pressure PN 16
- Nominal diameters DN 80...DN 200
- Field of application: Drinking water
- Standard version: Saddle and clamping piece of ductile iron EN-GJS-400-15 (GGG-40), upper part of valve body of brass, bolts, nuts and washers of stainless steel A2 (DIN EN ISO 3506)
- Tapping direction: Horizontal
- System: External tapping device with tapping machine
- Maximum tapping diameter:
 - for extraction G 1" = 25 mm
 - for extraction G 1¼" = 30 mm
- Saddle and clamping piece: Internally and externally epoxy coated

Product features

- Lateral tapping under pressure for:
 - Cast iron pipes
 - Steel pipes.
- Simple and easy operation via integrated gate valve as shut-off valve.
- Profiled crown seal provides secure seal to service pipeline.
- Highly reliable installation via the saddle component's metallic limit stops.
- Optimum corrosion protection by epoxy coating on all sides.

VAG HOD 513 Tapping Bridge



Technical details

- Nominal pressure PN 16
- Nominal diameters DN 80...DN 400
- Field of application: Drinking water
- Standard version: Saddle and clamping piece of ductile iron EN-GJS-400-15 (GGG-40), upper part of valve body of brass
- Tapping direction: Horizontal
- System: External tapping device with tapping machine
- Maximum tapping diameter
 - for extraction G 1" = 25 mm
 - for extraction G 1¼" = 30 mm
- Saddle and clamping piece: Internally and externally epoxy coated

Product features

- Lateral tapping under pressure for:
 - Cast iron pipes
 - Steel pipes
 - Cement-bound pipes.
- Universal upper part with saddle for VAG clamping pieces for improved storage.
- Simple and easy operation via integrated gate valve as shut-off valve.
- Optimum corrosion protection by epoxy coating on all sides.



Reference projects

Regensburg, Germany

VAG TERRA[®]lock Tapping Bridges



Olomouc, Czech Republic

VAG HOD Tapping Bridges



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Edition 1.1_16-03-2015

For detailed information about DN, pressure ratings and designs the KAT-A technical documentation is authoritative. The pictures are non-binding.