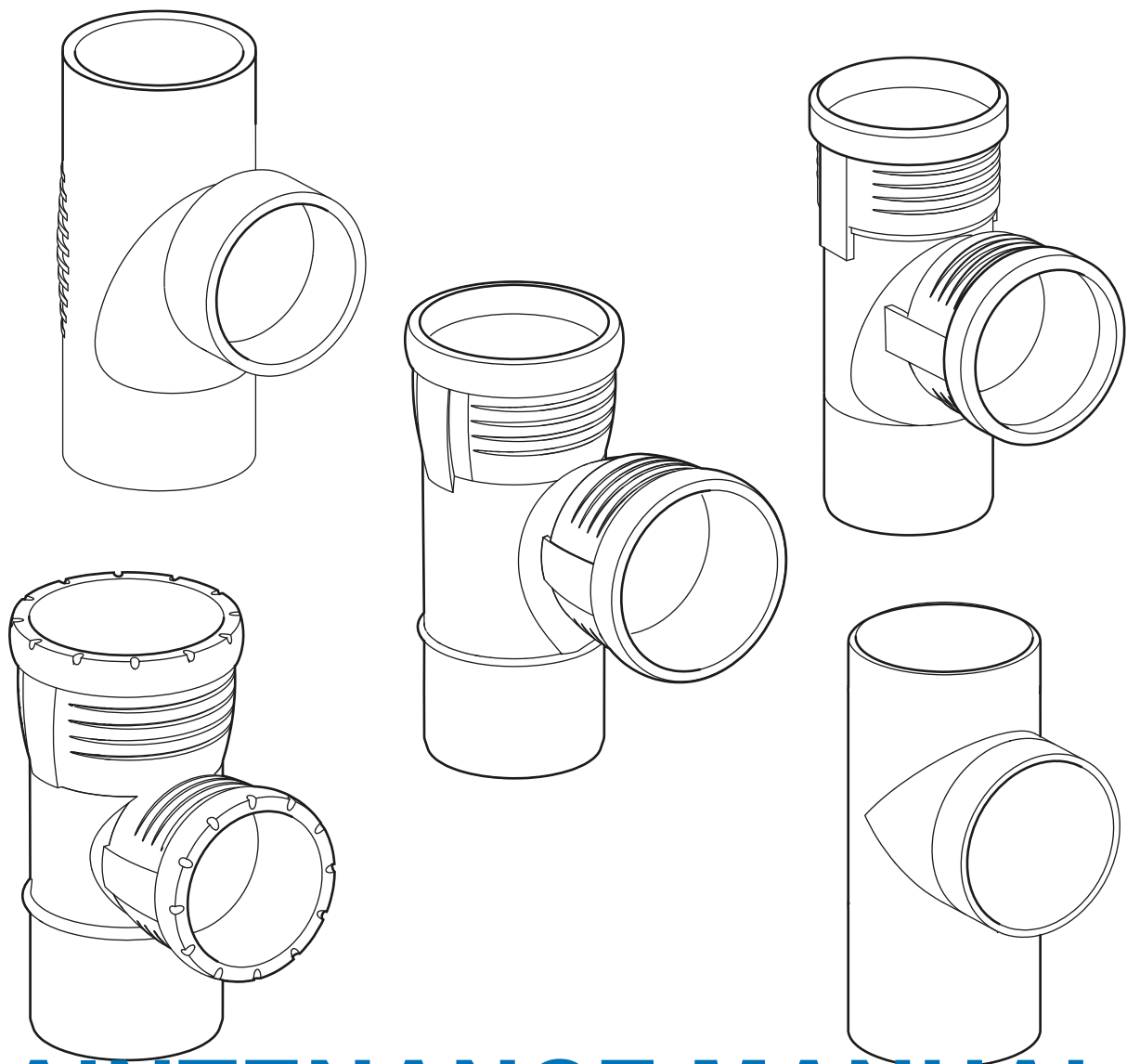


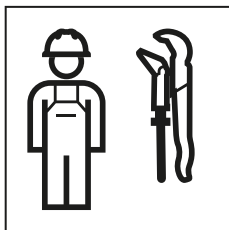


MAINTENANCE MANUAL

INSTANDHALTUNGSANLEITUNG
MANUEL D'ENTRETIEN
ISTRUZIONI PER LA MANUTENZIONE



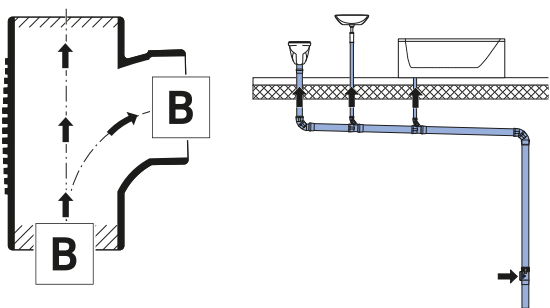
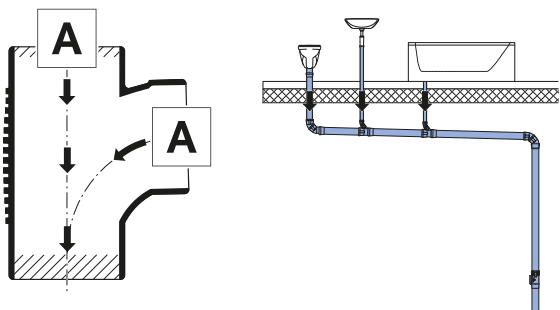
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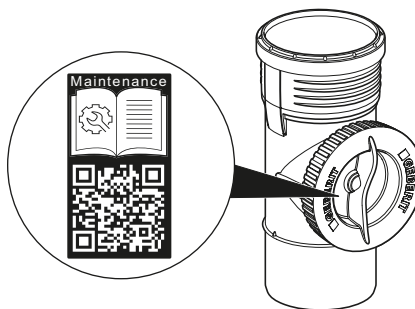
Reinigung von Rohrleitungen

Beschreibung der Reinigungsrichtung

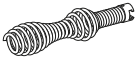
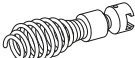
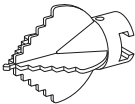
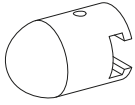
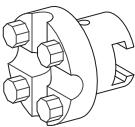
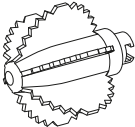
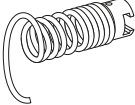


QR-Code auf Reinigungsstücken

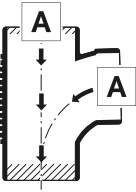
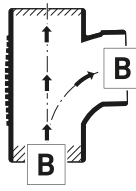
An den Geberit Silent-Pro und Geberit Silent-PP Reinigungsstücken verweist der QR-Code auf die Instandhaltungsanleitung der Geberit Rohrleitungssysteme.



Beschreibung der Reinigungswerkzeuge

Rohrleitungswerkzeuge	Abbildung	Funktion
Blattbohrer		Zum Entfernen von Verstopfungen und Ablagerungen
Doppel-Keulenbohrer		Zum Entfernen leichter Verstopfungen
Gelenk-Keulenbohrer		Zum Entfernen leichter Verstopfungen
Kreuzblattbohrer		Zum Entfernen von Verstopfungen in kleinen Rohrleitungen
Kugelpopfbohrer		Zum Entfernen von Verstopfungen in kleinen Rohrleitungen
Hartmetallbohrkopf		Zum Entfernen von Verstopfungen durch starke Inkrustierung
Kugelpopfzähler		Zum Entfernen von Verstopfungen durch starke Inkrustierung
Igelfraser		Zum Entfernen von Verstopfungen durch starke Inkrustierung
Kettenschleuder mit Hartmetall-Bohrkopf		Zum Entfernen von Verstopfungen durch starke Inkrustierung
Rückholbohrer		Zur Bergung von Gegenständen

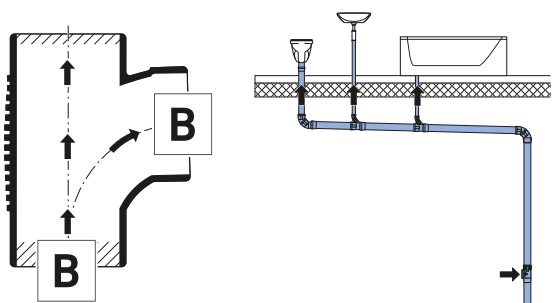
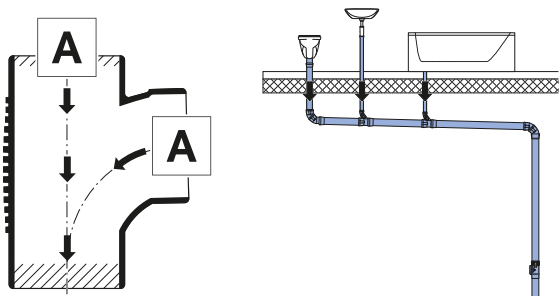
Durchmesser der Rohrreinigungswerkzeuge

Reinigungs- richtung	Rohr- durchmesser	Maximaler Durchmesser der Rohrreinigungswerkzeuge				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Nicht anwendbar

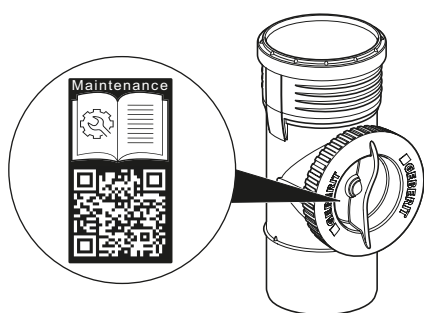
Cleaning pipelines

Description of the cleaning direction

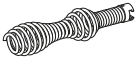
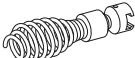
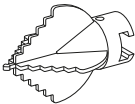
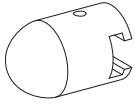
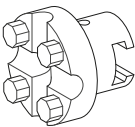
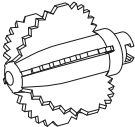
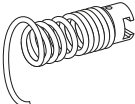


QR code on cleaning pieces

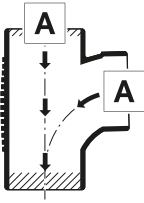
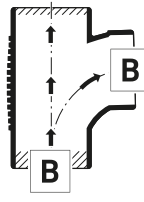
The QR code on the Geberit Silent-Pro and Geberit Silent-PP cleaning pieces links to the maintenance manual of Geberit piping systems.



Description of the cleaning tools

Pipeline tools	Figure	Function
Blade drill		For removing blockages and deposits
Double mace drill		For removing light blockages
Articulated mace drill		For removing light blockages
Cross-blade drill		For removing blockages in small pipes
Ball-end drill		For removing blockages in small pipes
Carbide drill head		For removing blockages due to heavy incrustation
Ball-end cutter		For removing blockages due to heavy incrustation
Sprocket cutter		For removing blockages due to heavy incrustation
Chain spinning head with carbide drill head		For removing blockages due to heavy incrustation
Retrieval drill		For the recovery of objects

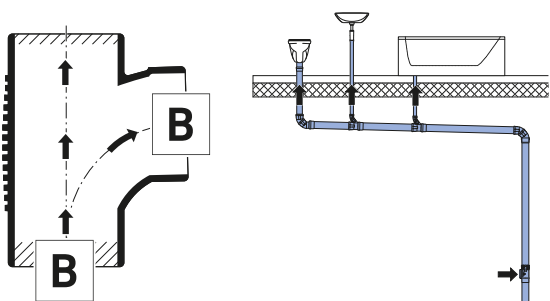
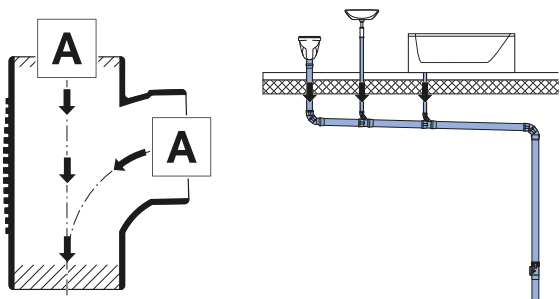
Diameter of the pipe cleaning tools

Cleaning direction	Pipe diameter	Maximum diameter of the pipe cleaning tools				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro/ Geberit Silent-PP Carve
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Does not apply

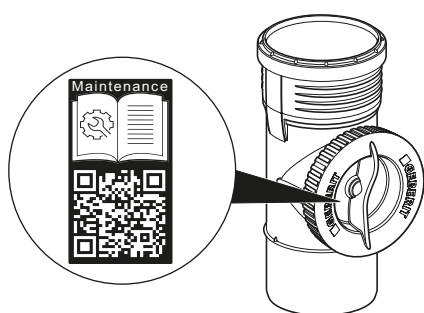
Nettoyage de conduites

Description du sens de nettoyage

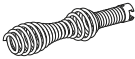
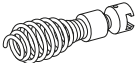
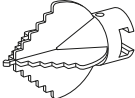
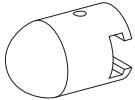
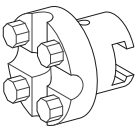
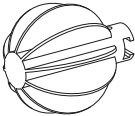
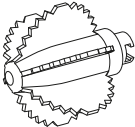
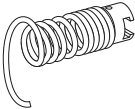


Code QR sur les pièces à nettoyer

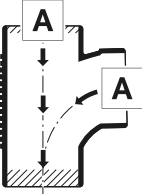
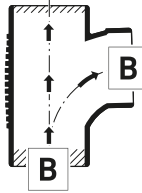
Le code QR apposé sur les pièces de nettoyage Geberit Silent-Pro et Geberit Silent-PP renvoie au manuel d'entretien du système de tuyauterie Geberit concerné.



Description des outils de nettoyage

Outils de tuyauterie	Illustration	Fonction
Foret de nettoyage de tuyaux lame simple		Pour éliminer les obstructions et les dépôts
Foret double massue		Pour éliminer les obstructions légères
Foret massue articulée		Pour éliminer les obstructions légères
Foret de nettoyage de tuyaux lames croisées		Pour éliminer les obstructions dans les petites conduites
Foret à tête sphérique		Pour éliminer les obstructions dans les petites conduites
Tête de fraisage carbure		Pour éliminer les obstructions par forte incrustation
Fraise à tête sphérique		Pour éliminer les obstructions par forte incrustation
Fraise hérisson		Pour éliminer les obstructions par forte incrustation
Batteur à chaîne avec tête de fraisage carbure		Pour éliminer les obstructions par forte incrustation
Foret de récupération		Pour extraire des objets

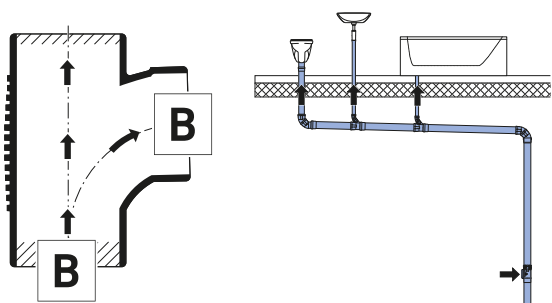
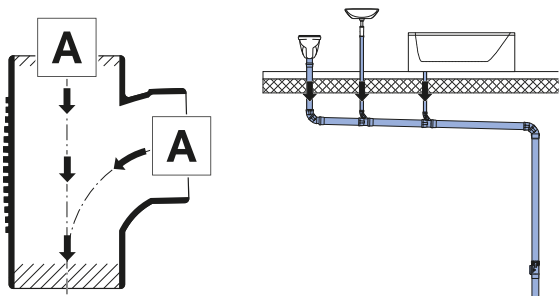
Diamètre des outils de nettoyage de tuyauterie

Sens de nettoyage	Diamètre de tube	Diamètre maximal des outils de nettoyage de tuyauterie				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Non applicable

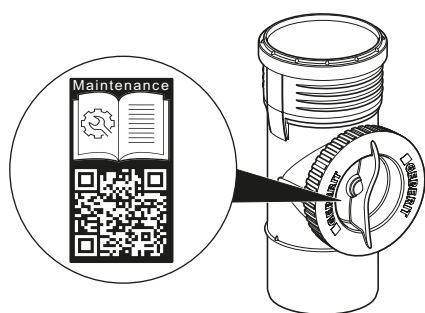
Pulizia di condotte

Descrizione della direzione di pulizia

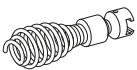
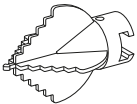
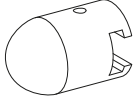
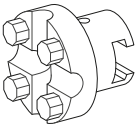
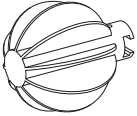
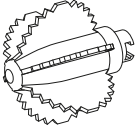
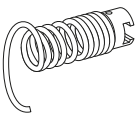


Codice QR sulle braghe d'ispezione

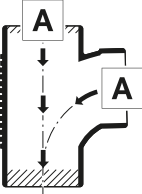
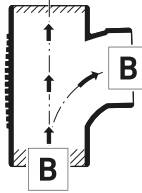
Sulle braghe d'ispezione Geberit Silent-Pro e Geberit Silent-PP, il codice QR rimanda alle istruzioni per la manutenzione dei sistemi di tubazioni Geberit.



Descrizione degli strumenti per la pulizia

Attrezzi per condotte	Figura	Funzione
Trivella a lancia con lame dentate		Per rimuovere ostruzioni e depositi
Trivella a bulbo doppio		Per rimuovere leggere ostruzioni
Trivella a bulbo articolata		Per rimuovere leggere ostruzioni
Trivella a lancia con lame incrociate		Per rimuovere le ostruzioni nelle condotte di piccole dimensioni
Trivella con testa a sfera		Per rimuovere le ostruzioni nelle condotte di piccole dimensioni
Testa per alesare in metallo duro		Per rimuovere le ostruzioni dovute a forti incrostazioni
Frese a testa sferica		Per rimuovere le ostruzioni dovute a forti incrostazioni
Fresa elicoidale		Per rimuovere le ostruzioni dovute a forti incrostazioni
Raschiatore a catena liscia con testa per alesare in acciaio duro		Per rimuovere le ostruzioni dovute a forti incrostazioni
Trivella recuperatrice		Per il recupero di oggetti

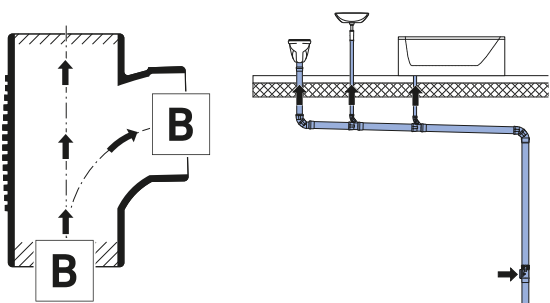
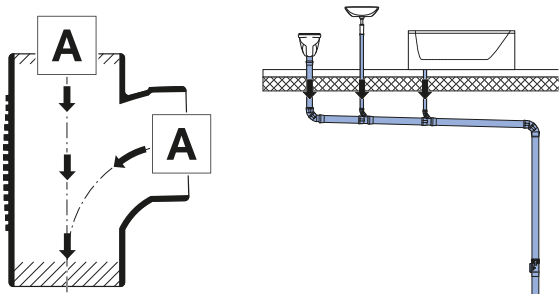
Diametro degli attrezzi per la pulizia delle condotte

Direzione di pulizia	Diametro del tubo	Diametro massimo degli attrezzi per la pulizia delle condotte				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Non applicabile

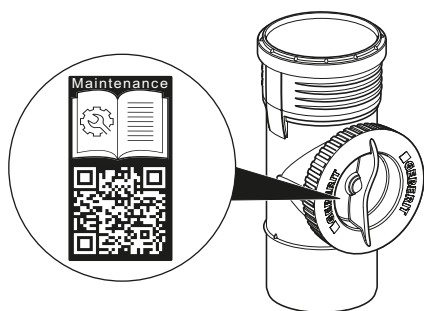
Reinigen van leidingen

Beschrijving van de reinigingsrichting

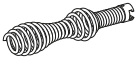
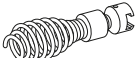
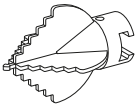
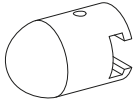
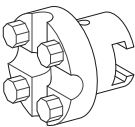
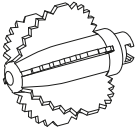
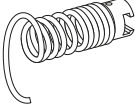


QR-code op reinigingsstukken

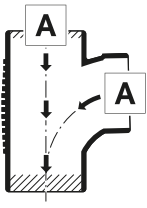
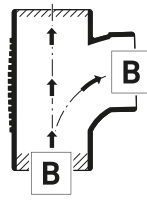
Op de Geberit Silent-Pro en Geberit Silent-PP reinigingsstukken verwijst de QR-code naar de onderhoudshandleiding van de Geberit leidingsystemen.



Beschrijving van het reinigingsgereedschap

Leidinggereedschap	Afbeelding	Functie
Bladboor		Voor het verwijderen van verstoppingen en afzettingen
Dubbele knotsboor		Voor het verwijderen lichte verstoppingen
Persbekcharnier-knotsboor		Voor het verwijderen lichte verstoppingen
Kruisbladboor		Voor het verwijderen van verstoppingen in kleine leidingen
Kogelkopboor		Voor het verwijderen van verstoppingen in kleine leidingen
Hardmetalen boorkop		Voor het verwijderen van verstoppingen door zware korstvorming
Kogelkopfrees		Voor het verwijderen van verstoppingen door zware korstvorming
Egelfrees		Voor het verwijderen van verstoppingen door zware korstvorming
Kettingslinger met gehard metalen boorkop		Voor het verwijderen van verstoppingen door zware korstvorming
Terughaalboor		Voor het ophalen van voorwerpen

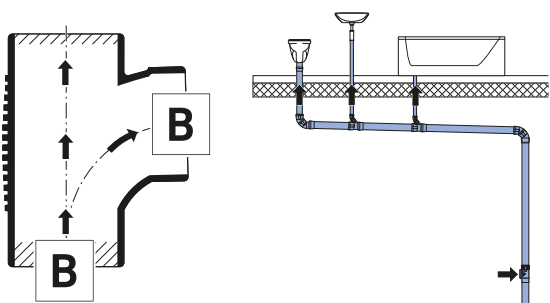
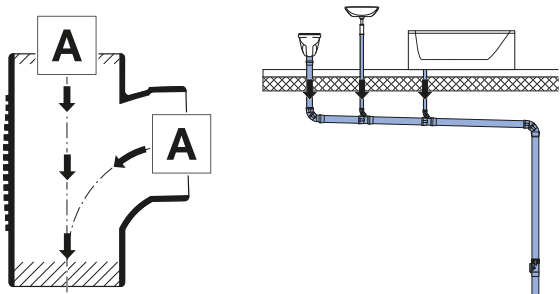
Diameter van het buisreinigingsgereedschap

Reinigingsrichting	Buisdiameter	Maximale diameter van het buisreinigingsgereedschap				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Niet toepasbaar

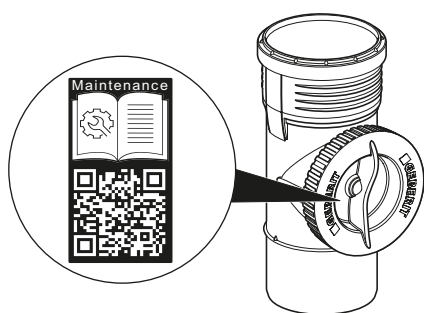
Limpieza de sistemas de tuberías

Descripción de la dirección de limpieza

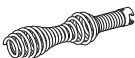
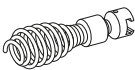
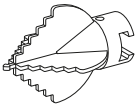
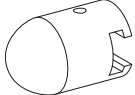
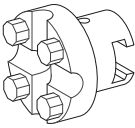
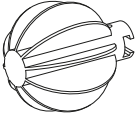
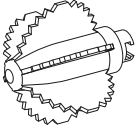
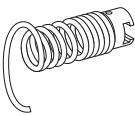


Código QR en los artículos de limpieza

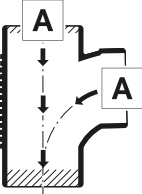
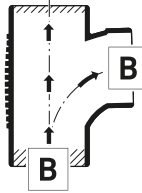
En los artículos de limpieza Geberit Silent-Pro y Geberit Silent-PP, el código QR remite a las instrucciones de mantenimiento de los sistemas de tuberías Geberit.



Descripción de las herramientas de limpieza

Herramientas de tuberías	Figura	Función
Broca de hoja		Para retirar obstrucciones y depósitos
Barrena de doble bombilla		Para retirar obstrucciones ligeras
Barrena de bombilla articulada		Para retirar obstrucciones ligeras
Broca de cuchillas cruzadas		Para retirar obstrucciones en tuberías pequeñas
Broca de punta esférica		Para retirar obstrucciones en tuberías pequeñas
Broca de metal duro		Para retirar obstrucciones debidas a fuertes incrustaciones
Fresa de punta esférica		Para retirar obstrucciones debidas a fuertes incrustaciones
Fresa de erizo		Para retirar obstrucciones debidas a fuertes incrustaciones
Golpeador de cadena con broca de metal duro		Para retirar obstrucciones debidas a fuertes incrustaciones
Broca de recuperación		Para la recuperación de objetos

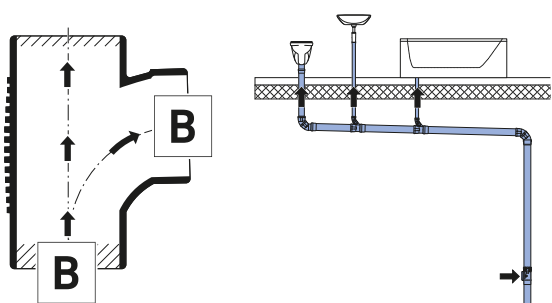
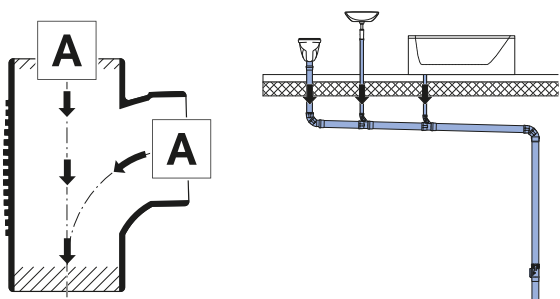
Diámetro de las herramientas de limpieza de tuberías

Dirección de limpieza	Diámetro de tubo	Diámetro máximo de las herramientas de limpieza de tuberías				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro/ Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56-63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56-63	40	40	—	—	—
	50	40	40	40	40	30

— No aplicable

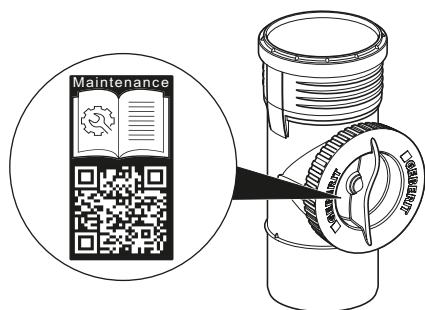
Limpeza de tubagens

Descrição da direção de limpeza

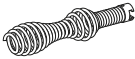
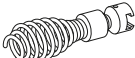
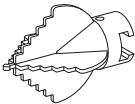
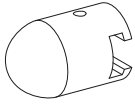
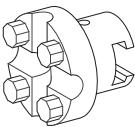
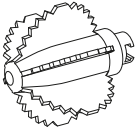
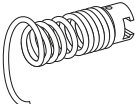


Código QR nas bocas de limpeza

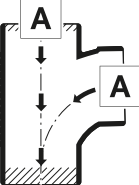
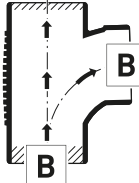
Nas bocas de limpeza Geberit Silent-Pro e Geberit Silent-PP, o código QR remete para as instruções de manutenção dos sistemas de tubagem Geberit.



Descrição das ferramentas de limpeza

Ferramentas de tubagens	Figura	Função
Broca de folha		Para remover entupimentos e depósitos
Broca de bulbo dupla		Para remover entupimentos simples
Broca de bulbo articulada		Para remover entupimentos simples
Broca de folha cruzada		Para remover entupimentos em tubagens pequenas
Broca de cabeça esférica		Para remover entupimentos em tubagens pequenas
Cabeça de perfuração em carboneto		Para remover entupimentos devido a fortes incrustações
Fresas de ponta esférica		Para remover entupimentos devido a fortes incrustações
Broca de rosca		Para remover entupimentos devido a fortes incrustações
Eslinga de corrente com cabeça de perfuração em carboneto		Para remover entupimentos devido a fortes incrustações
Broca de retorno		Para recuperação de objetos

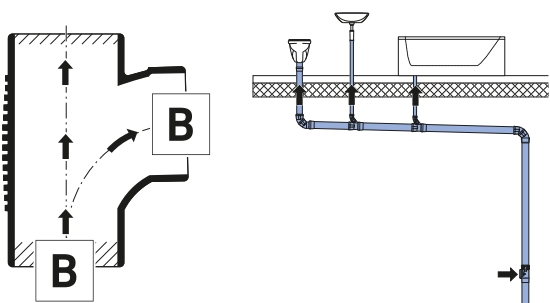
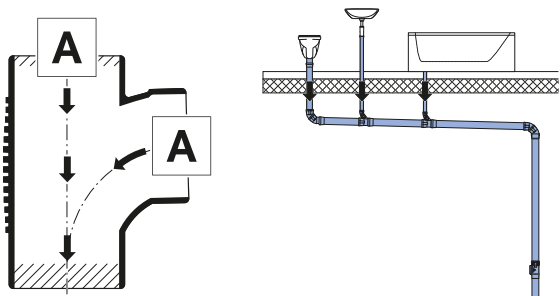
Diâmetro das ferramentas de limpeza de tubagens

Direção de limpeza	Diâmetro do tubo	Diâmetro máximo das ferramentas de limpeza de tubagens				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro/ Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Não aplicável

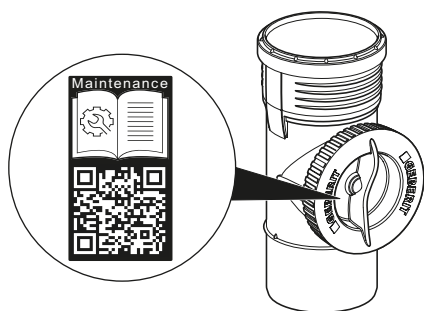
Rengøring af rørledninger

Beskrivelse af rengøringsretningen

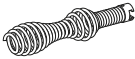
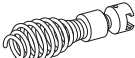
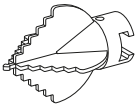
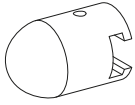
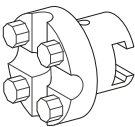
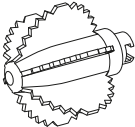
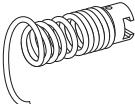


QR-kode på rengøringsstykker

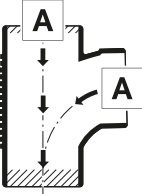
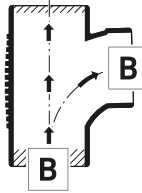
På renserørene fra Geberit Silent-Pro og Geberit Silent-PP henviser QR-koden til vedligeholdelsesvejledningen for rørledningssystemerne fra Geberit.



Beskrivelse af rengøringsværktøjerne

Rørledningsværktøjer	Billede	Funktion
Bladbor		Til fjernelse af tilstopninger og aflejringer
Dobbelt køllebor		Til fjernelse af mindre tilstopninger
Køllebor med led		Til fjernelse af mindre tilstopninger
Tværbladsbor		Til fjernelse af tilstopninger i små rørledninger
Kuglehovedbor		Til fjernelse af tilstopninger i små rørledninger
Hårdmetal-borehoved		Til fjernelse af tilstopninger forårsaget af kraftig belægning
Kuglehovedfræser		Til fjernelse af tilstopninger forårsaget af kraftig belægning
Fræser med vendeskær		Til fjernelse af tilstopninger forårsaget af kraftig belægning
Kædeskraber med hårdmetal-borehoved		Til fjernelse af tilstopninger forårsaget af kraftig belægning
Tilbagetrækningsbor		Til bjærgning af genstande

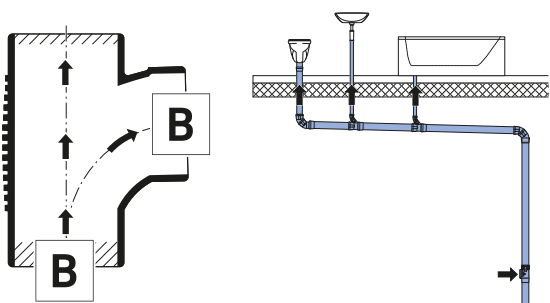
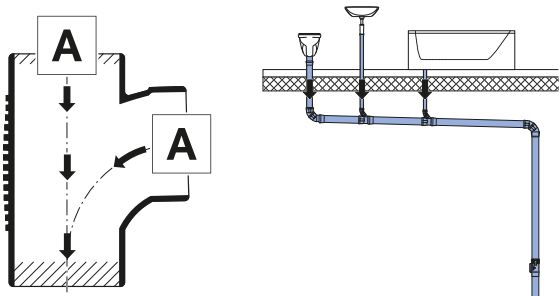
Diameter på rørrensningssværktøjer

Rengøringsretning	Rørdiameter	Maksimal diameter på rørrensningssværktøjerne				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56-63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56-63	40	40	—	—	—
	50	40	40	40	40	30

— Kan ikke anvendes

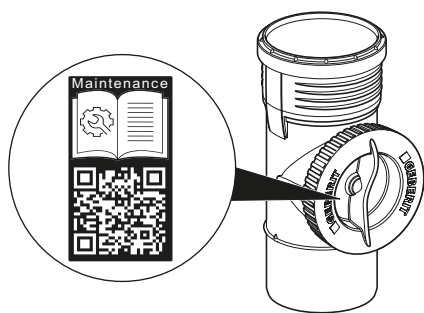
Rengjøring av rørledninger

Beskrivelse av rengjøringsretningen

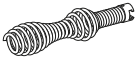
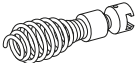
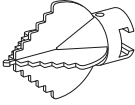
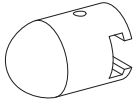
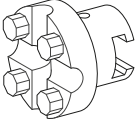
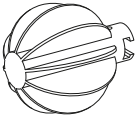
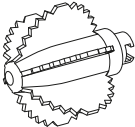
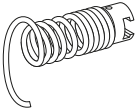


QR-kode på stakeluker

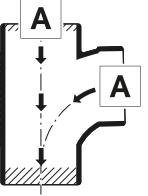
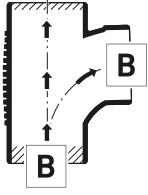
På stakelukene Geberit Silent-Pro og Geberit Silent-PP henviser QR-koden til vedlikeholdshåndboken til Geberit rørsystemene.



Beskrivelse av rengjøringsverktøy

Rørsystemverktøy	Bilde	Funksjon
Bladbor		For fjerning av blokkeringer og avleiringer
Dobbeltspiral-stakebor		For fjerning av lette blokkeringer
Leddets spiral-stakebor		For fjerning av lette blokkeringer
Kryssbladbor		For fjerning av blokkeringer i små rørsystemer
Kulebor		For fjerning av blokkeringer i små rørsystemer
Borehode i hardmetall		For fjerning av blokkeringer fra kraftige avleiringer
Kulefres		For fjerning av blokkeringer fra kraftige avleiringer
Spiralfres		For fjerning av blokkeringer fra kraftige avleiringer
Fresekjede med borehode i hardmetall		For fjerning av blokkeringer fra kraftige avleiringer
Stakefjær med krok		For berging av gjenstander

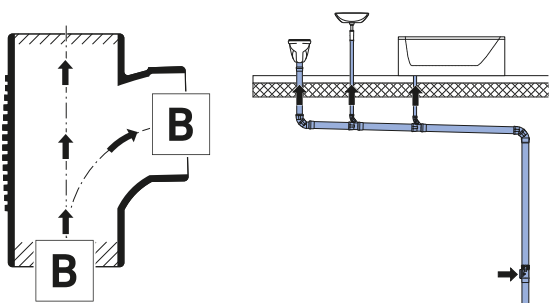
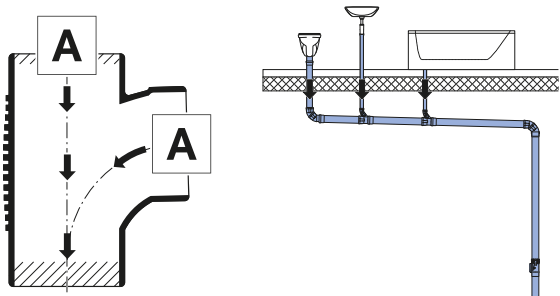
Diameter på rørrengjøringsverktøy

Rengjørings- retning	Rørdiameter	Maksimal diameter på rørrengjøringsverktøy				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Ikke relevant

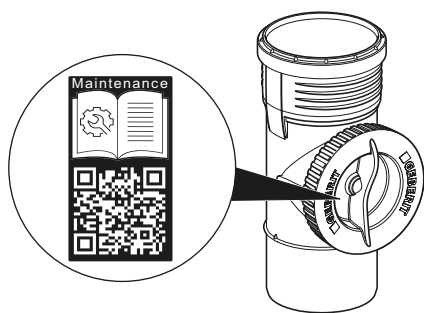
Rengöring av rörledningar

Beskrivning av rengöringsriktningen

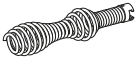
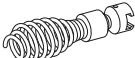
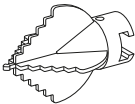
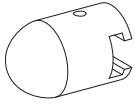
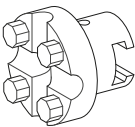
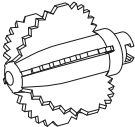
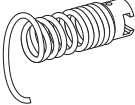


QR-kod på rengöringsrör

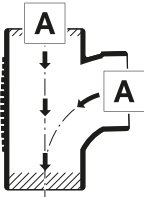
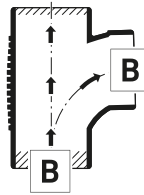
På Geberit Silent-Pro och Geberit Silent-PP rengöringsrör hänvisar QR-koden till underhållsanvisningar för Geberit systemrör.



Beskrivning av rengöringsverktygen

Rörverktyg	Bild	Funktion
Bladborr		För borttagning av igensättningar och avlagringar
Dubbel kägelformad borr		För borttagning av mindre igensättningar
Ledad kägelformad borr		För borttagning av mindre igensättningar
Korsbladsborr		För borttagning av igensättningar i små rörledningar
Kulhövdad borr		För borttagning av igensättningar i små rörledningar
Hårdmetallborrhuvud		För borttagning av igensättningar orsakade av kraftig skorpbildning
Kulhövdad fräs		För borttagning av igensättningar orsakade av kraftig skorpbildning
Igelkottfräs		För borttagning av igensättningar orsakade av kraftig skorpbildning
Kedjeslungare med hårdmetallborrhuvud		För borttagning av igensättningar orsakade av kraftig skorpbildning
Returborr		För bärgning av föremål

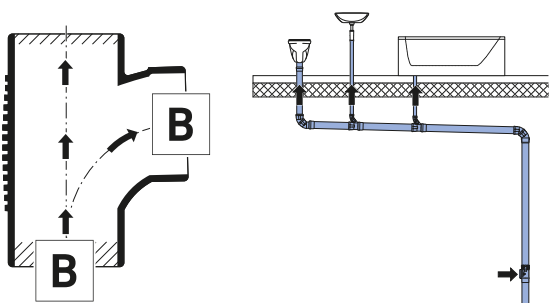
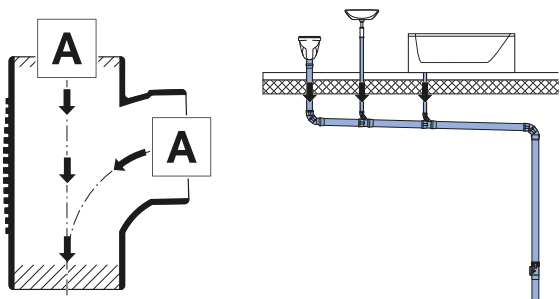
Diameter på rörrengöringsverktygen

Rengöringsriktning	Rördiameter	Maximal diameter på rörrengöringsverktyg				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Tillämpas ej

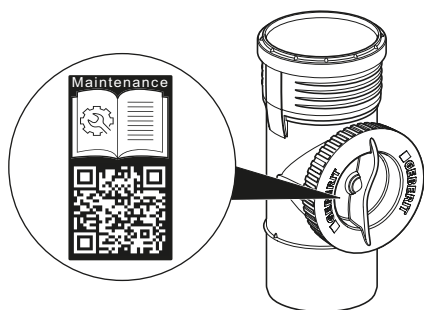
Putkistojen puhdistus

Puhdistussuunnan kuvaus



QR-koodi puhdistusyhteissä

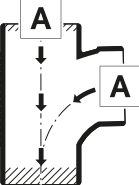
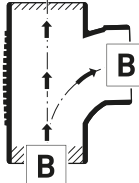
Geberit Silent-Pro- ja Geberit Silent-PP -puhdistusyhteissä QR-koodi viittaa Geberit-putkistojärjestelmien huolto-ohjeeseen.



Puhdistustyökalujen kuvaus

Putkistotyökalut	Kuva	Toiminto
Lehtipora	A hand-drawn illustration of a leaf drill, which is a flat, leaf-shaped tool with a pointed tip and a small hole at the base.	Tukosten ja kerrostumien poistamiseen
Kaksoiskeilapora	A hand-drawn illustration of a double chisel drill, which is a long, thin tool with a double-flute design.	Lievien tukosten poistamiseen
Nivelkeilapora	A hand-drawn illustration of a bevel chisel drill, which is a long, thin tool with a beveled tip.	Lievien tukosten poistamiseen
Ristipäinen lehtipora	A hand-drawn illustration of a cross-shaped leaf drill, which is a flat, cross-shaped tool with a pointed tip.	Tukosten poistamiseen pienistä putkistoista
Kuulapääpora	A hand-drawn illustration of a ball head drill, which is a cylindrical tool with a ball-shaped head.	Tukosten poistamiseen pienistä putkistoista
Kovametallinen avarrin	A hand-drawn illustration of a carbide scraper, which is a small, flat tool with a carbide tip.	Voimakkaasta karstaantumisesta johtuvien tukosten poistamiseen
Kuulapääjyrsin	A hand-drawn illustration of a ball head scraper, which is a spherical tool with a carbide tip.	Voimakkaasta karstaantumisesta johtuvien tukosten poistamiseen
Siilijyrsin	A hand-drawn illustration of a silencer scraper, which is a long, thin tool with a carbide tip.	Voimakkaasta karstaantumisesta johtuvien tukosten poistamiseen
Ketjulinko kovametallisella avartimella	A hand-drawn illustration of a chain link with a carbide scraper, which is a long, thin tool with a carbide tip.	Voimakkaasta karstaantumisesta johtuvien tukosten poistamiseen
Palautuspora	A hand-drawn illustration of a return drill, which is a long, thin tool with a double-flute design.	Esineiden poistoon

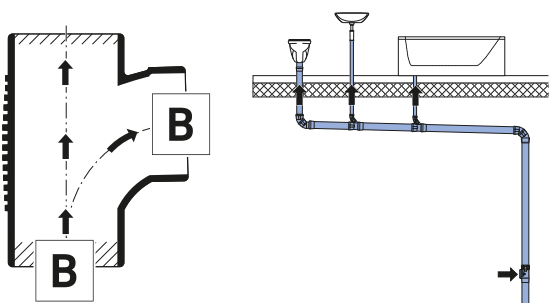
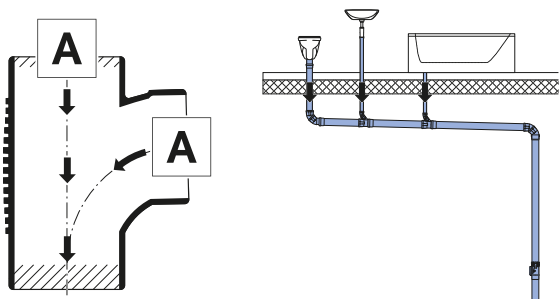
Putkien puhdistustyökalujen läpimitat

Puhdistussuunta	Putken halkaisija	Putkien puhdistustyökalujen enimmäisläpimitat				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Ei sovellettavissa

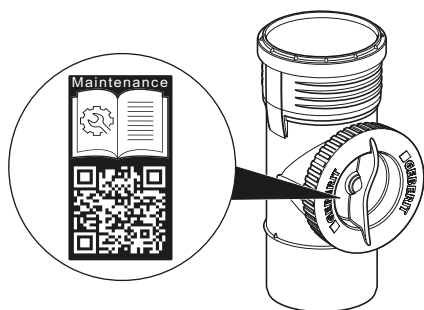
Þrif á leiðslum

Lýsing á hreinsunarstefnu

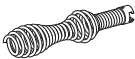
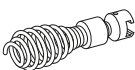
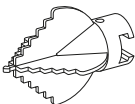
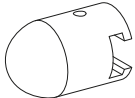
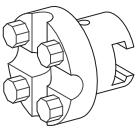
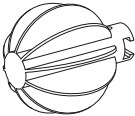
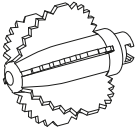
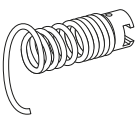


QR kóði á hreinsihlutum

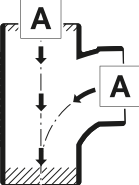
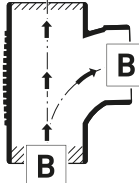
Á Geberit Silent-Pro og Geberit Silent-PP hreinsihlutunum vísar QR-kóðinn til viðhaldshandbókarinnar fyrir Geberit rörakerfin.



Lýsing á hreinsiverkfærum

Lagnaverkfæri	Slika	Virkni
Laufborari		Til að fjarlægja stíflur og útfellingar
Tvöfaldur keilubor		Til að fjarlægja léttar stíflur
Liður þrýstikjatts keiluborvélar		Til að fjarlægja léttar stíflur
Krossblaðabor		Til að fjarlægja stíflur í litlum rörum
Kúluhausbor		Til að fjarlægja stíflur í litlum rörum
Borhaus úr harðmálmi		Til að fjarlægja stíflur af völdum mikillar skorpu
Kúluhausfræsari		Til að fjarlægja stíflur af völdum mikillar skorpu
Íkornafræsari		Til að fjarlægja stíflur af völdum mikillar skorpu
Keðjuslæðari með harðmálmsborhaus		Til að fjarlægja stíflur af völdum mikillar skorpu
Gormabor		Til að endurheimta hluti

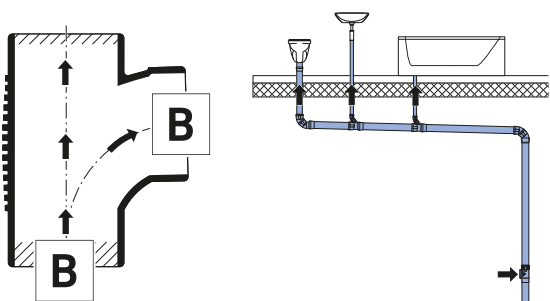
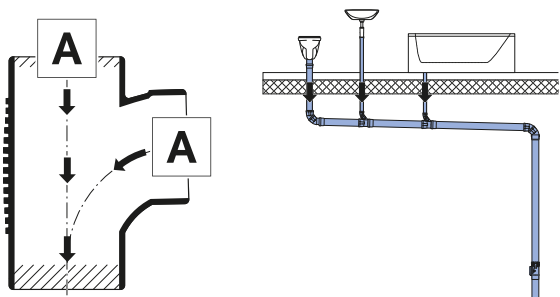
Þvermál rörahreinsiverkfæra

Hreinsunarstefna	Þvermál röra	Hámarksþvermál rörahreinsiverkfæra				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Á ekki við

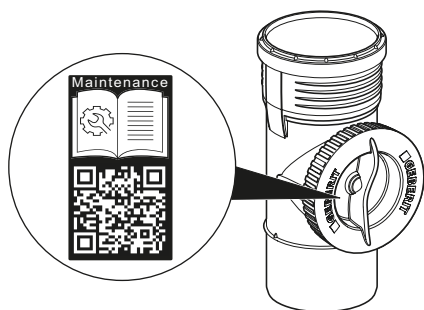
Czyszczenie rurociągów

Opis kierunku czyszczenia

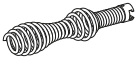
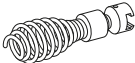
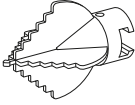
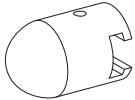
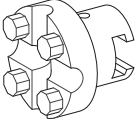
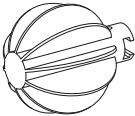
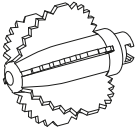
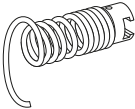


Kod QR na czyszczakach

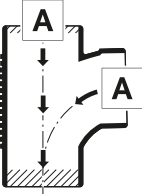
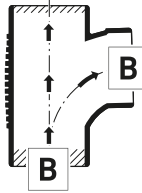
Kod QR na czyszczakach Geberit Silent-Pro i Geberit Silent-PP odsyła do instrukcji serwisowej systemów rurociągów Geberit.



Opis narzędzi do czyszczenia

Narzędzia do rurociągów	Rysunek	Funkcja
Wiertło brzeszczotowe		Do usuwania zatorów i osadów
Podwójne wiertło maczugowe		Do usuwania lekkich zatorów
Przegubowe wiertło maczugowe		Do usuwania lekkich zatorów
Wiertło krzyżowe		Do usuwania zatorów w małych rurociągach
Wiertło kulowe		Do usuwania zatorów w małych rurociągach
Głowica wiertnicza z metalu hartowanego		Do usuwania zatorów spowodowanych silnym osadzeniem się kamienia
Frez kulowy		Do usuwania zatorów spowodowanych silnym osadzeniem się kamienia
Frez jeżowy		Do usuwania zatorów spowodowanych silnym osadzeniem się kamienia
Wirówka łańcuchowa z głowicą wiertniczą z metalu hartowanego		Do usuwania zatorów spowodowanych silnym osadzeniem się kamienia
Wiertło ze spiralą		Do wyjmowania przedmiotów

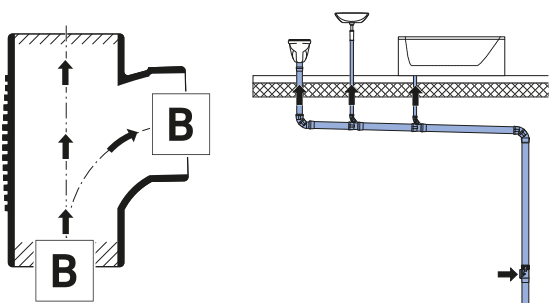
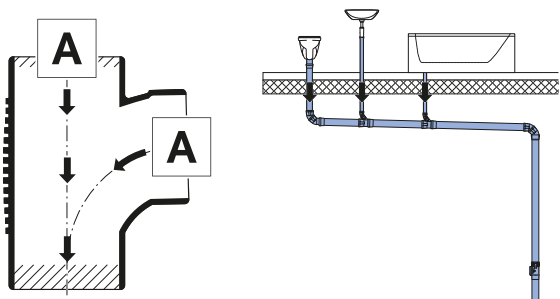
Średnica narzędzi do czyszczenia rur

Kierunek czyszczenia	Średnica rurociągu	Maksymalna średnica narzędzi do czyszczenia rur				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Nie dotyczy

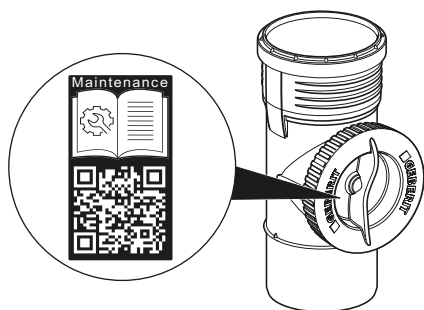
Csővezetékek tisztítása

A tisztítási irány leírása

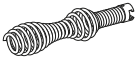
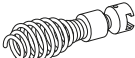
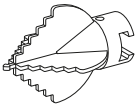
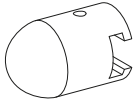
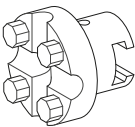
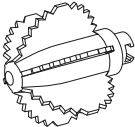
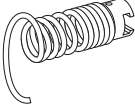


QR-kód a tisztító idomokon

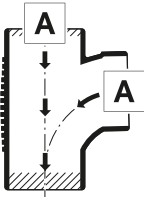
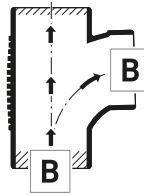
A Geberit Silent-Pro és Geberit Silent-PP tisztító idomokon a QR-kód a Geberit csővezeték-rendszerek karbantartási útmutatójára utal.



A tisztító szerszámok leírása

Csőszerszámok	Ábra	Funkció
Lapfúró		Eltömődések és lerakódások eltávolítására
Kettős klubfúró		Kisebb eltömődések eltávolítására
Csuklós klubfúró		Kisebb eltömődések eltávolítására
Keresztlapfúró		Eltömődések eltávolítására kisméretű csővezetékben
Gömbfejű fúró		Eltömődések eltávolítására kisméretű csővezetékben
Keményfém fúrófej		Erős lerakódás okozta eltömődések eltávolítására
Gömbvégű maró		Erős lerakódás okozta eltömődések eltávolítására
Sünmaró		Erős lerakódás okozta eltömődések eltávolítására
Lánckopogtató keményfém fúrófejjel		Erős lerakódás okozta eltömődések eltávolítására
Visszahúzó fúró		Tárgyak helyreállításához

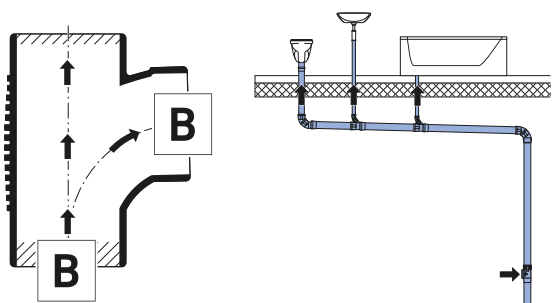
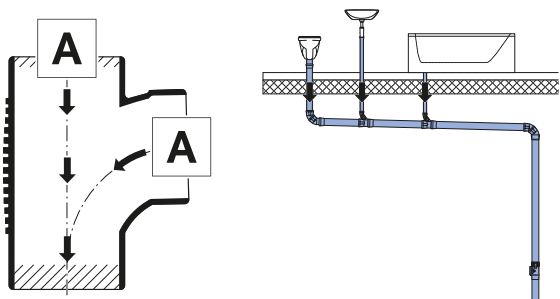
Csőtisztító szerszámok átmérője

Tisztítási irány	Csőátmérő	Csőtisztító szerszámok maximális átmérője				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Nem alkalmazható

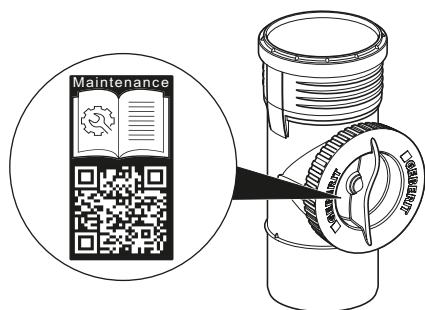
Čistenie potrubí

Popis smeru čistenia

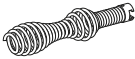
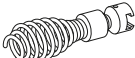
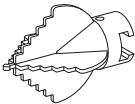
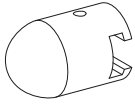
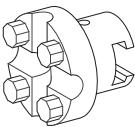
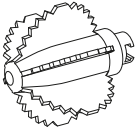
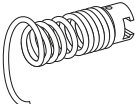


QR kód na čistiacich kusoch

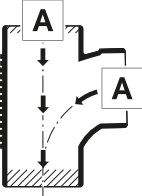
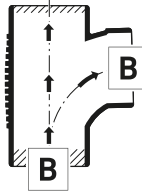
Na čistiacich kusoch Geberit Silent-Pro a Geberit Silent-PP odkazuje QR kód na návod na údržbu rúrových systémov Geberit.



Popis čistiacich nástrojov

Potrubné nástroje	Obrázok	Funkcia
Listový vrták		Na odstraňovanie upchaní a usadenín
Dvojitý kĺbový súdkový vrták		Na odstránenie ľahkých upchaní
Kĺbový súdkový vrták		Na odstránenie ľahkých upchaní
Křížový listový vrták		Na odstraňovanie upchaní v malých potrubiach
Guľový vrták		Na odstraňovanie upchaní v malých potrubiach
Vrtacia hlava zo spekaného karbidu		Na odstránenie upchaní spôsobených intenzívnou inkrustáciou
Fréza s guľovou hlavou		Na odstránenie upchaní spôsobených intenzívnou inkrustáciou
Ježková fréza		Na odstránenie upchaní spôsobených intenzívnou inkrustáciou
Retiazkový vrták s hlavou zo spekaného karbidu		Na odstránenie upchaní spôsobených intenzívnou inkrustáciou
Spätný hákový vrták		Na uvoľnenie predmetov

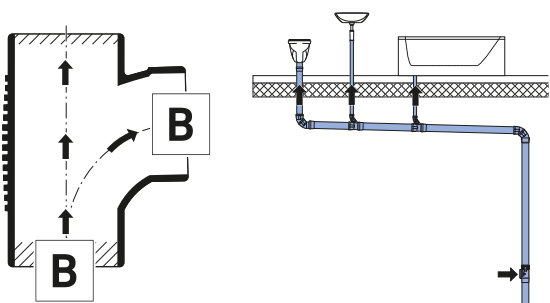
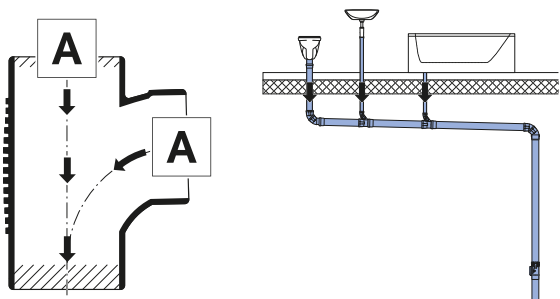
Priemer nástrojov na čistenie rúr

Smer čistenia	Priemer rúr	Maximálny priemer nástrojov na čistenie rúr				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro/ Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Neaplikovateľné

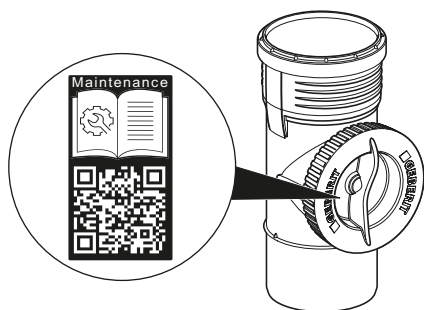
Čištění potrubních vedení

Popis směru čištění

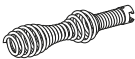
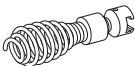
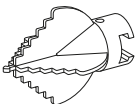
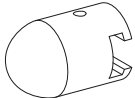
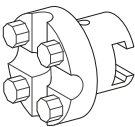
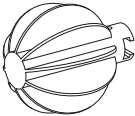
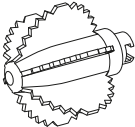
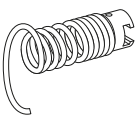


QR kód na čisticích kusech

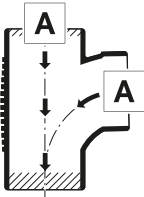
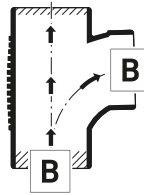
Na čisticích kusech Geberit Silent-Pro a Geberit Silent-PP odkazuje QR kód na návod k údržbě potrubních systémů Geberit.



Popis čisticích nástrojů

Potrubní nářadí	Obrázek	Funkce
Listový vrták		K odstranění ucpání a usazenin
Dvojitý soudkovitý vrták		Pro odstranění lehkých ucpání
Soudkovitý vrták na kloubu		Pro odstranění lehkých ucpání
Křížový listový vrták		Pro odstranění ucpání v malých potrubích
Kulový vrták		Pro odstranění ucpání v malých potrubích
Vrtací hlava z tvrdého kovu		Pro odstranění ucpání způsobených silnou tvorbou usazenin
Fréza s kulovou hlavou		Pro odstranění ucpání způsobených silnou tvorbou usazenin
Ježková fréza		Pro odstranění ucpání způsobených silnou tvorbou usazenin
Řetězový prak s vrtací hlavou z tvrdého kovu		Pro odstranění ucpání způsobených silnou tvorbou usazenin
Vytahovací vrták		Na vytažení předmětů uvízlých v potrubí

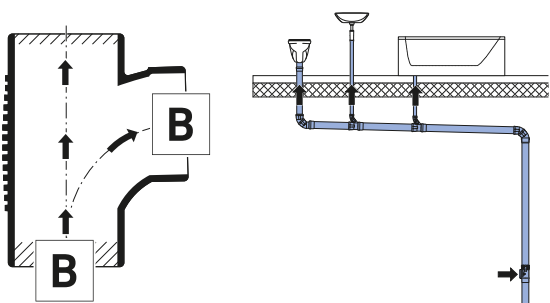
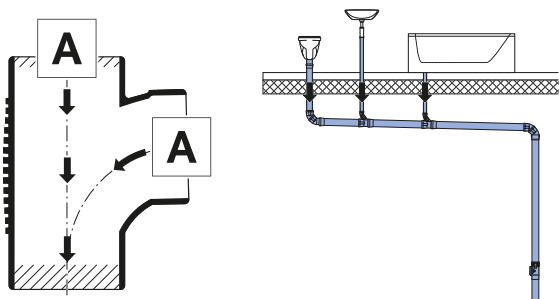
Průměr nástrojů na čištění trubek

Směr čištění	Průměr trubky	Maximální průměr nástrojů na čištění trubek				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _i [mm]	d _i [mm]	d _i [mm]	d _i [mm]	d _i [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Nelze použít

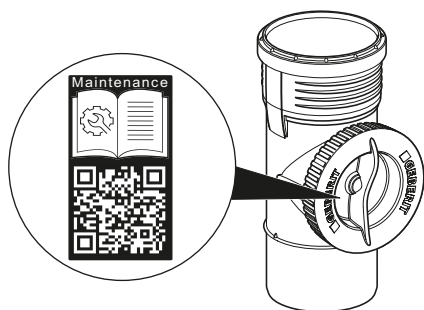
Čiščenje cevovodov

Opis smeri čiščenja

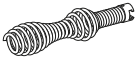
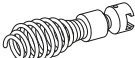
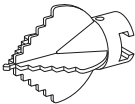
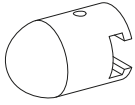
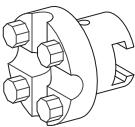
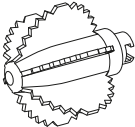
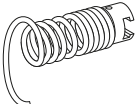


QR-koda na čistilnih kosih

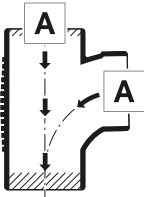
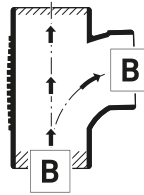
QR-koda na čistilnih kosih Geberit Silent-Pro in Geberit Silent-PP se nanaša na navodila za vzdrževanje cevnih sistemov Geberit.



Opis orodij za čiščenje

Orodja za cevovode	Slika	Funkcija
Listni sveder		Za odstranjevanje zamašitev in usedlin
Dvojni betičasti sveder		Za odstranjevanje rahlih zamašitev
Zgibni betičasti sveder		Za odstranjevanje rahlih zamašitev
Križni listni sveder		Za odstranjevanje zamašitev v majhnih ceveh
Sveder s kroglasto glavo		Za odstranjevanje zamašitev v majhnih ceveh
Vrtalna glava iz trde kovine		Za odstranjevanje zamašitev zaradi močne inkrustacije
Rezkalo s kroglasto glavo		Za odstranjevanje zamašitev zaradi močne inkrustacije
Ježasto rezkalo		Za odstranjevanje zamašitev zaradi močne inkrustacije
Verižno orodje z vrtalno glavo iz trde kovine		Za odstranjevanje zamašitev zaradi močne inkrustacije
Sveder za odstranjevanje predmetov		Za odstranjevanje predmetov

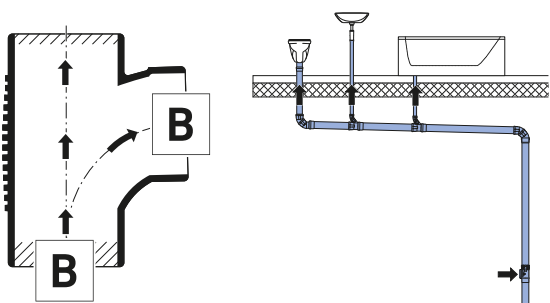
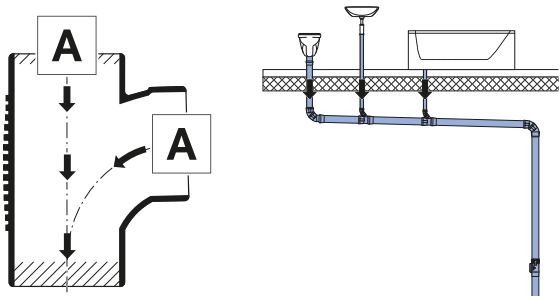
Premjer orodja za čiščenje cevi

Smer čiščenja	Premjer cevi	Največji premer orodja za čiščenje cevi				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Ni uporabno

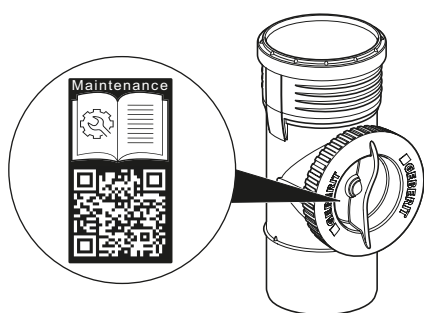
Čišćenje cjevovoda

Opis smjera čišćenja

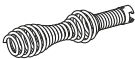
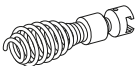
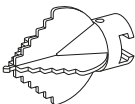
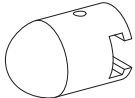
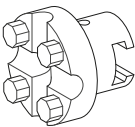
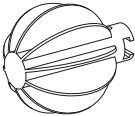
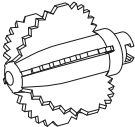
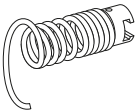


QR kôd na elementima za čišćenje

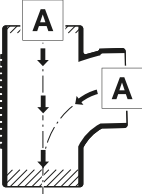
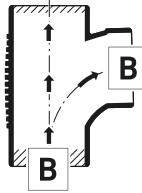
QR kôd na Geberit Silent-Pro i Geberit Silent-PP elementima za čišćenje cjevovoda vodi na upute za održavanje Geberit cijevnih sistema.



Opis alata za čišćenje

Alati za cjevovode	Slika	Funkcija
Plosnato svrdlo za čišćenje cijevi		Za uklanjanje začepljenja i naslaga
Dvostruko svrdlo u obliku palice		Za uklanjanje manjih začepljenja
Zglobno svrdlo u obliku palice		Za uklanjanje manjih začepljenja
Križno svrdlo za čišćenje cijevi		Za uklanjanje začepljenja u malim cjevovodima
Svrdlo s kuglastim vrhom		Za uklanjanje začepljenja u malim cjevovodima
Karbidno svrdlo		Za uklanjanje začepljenja uzrokovanih tvrdokornim naslagama
Glodalo s kuglastim vrhom		Za uklanjanje začepljenja uzrokovanih tvrdokornim naslagama
Iglično glodalo		Za uklanjanje začepljenja uzrokovanih tvrdokornim naslagama
Lančana centrifugalna glava s karbidnim svrdlom		Za uklanjanje začepljenja uzrokovanih tvrdokornim naslagama
Svrdlo za izvlačenje predmeta iz cijevi		Za izvlačenje predmeta

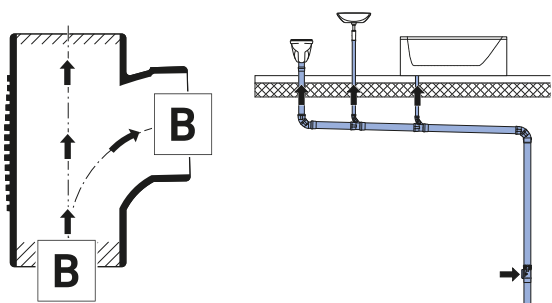
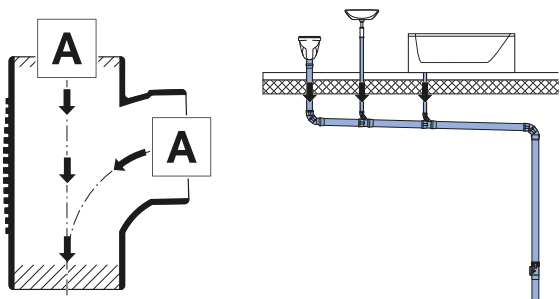
Promjer alata za čišćenje cijevi

Smjer čišćenja	Promjer cijevi	Maksimalni promjer alata za čišćenje cijevi				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _i [mm]	d _i [mm]	d _i [mm]	d _i [mm]	d _i [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56 – 63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56 – 63	40	40	—	—	—
	50	40	40	40	40	30

— Nije primjenjivo

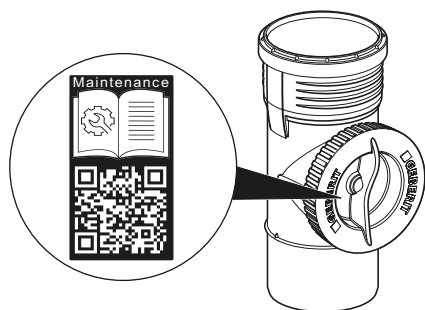
Čiščenje cevovoda

Opis pravca čiščenja

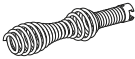
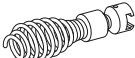
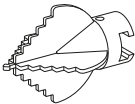
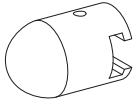
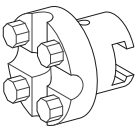
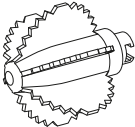
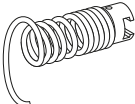


QR kôd na revizionim komadima

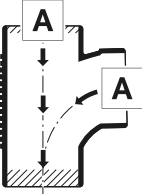
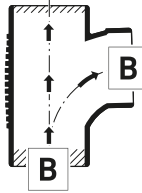
QR kôd na Geberit Silent-Pro i Geberit Silent-PP revizionim komadima vodi na uputstvo za održavanje Geberit cevnih sistema.



Opis alata za čišćenje

Alati za cevovode	Slika	Funkcija
Ravna burgija za čišćenje cevi		Za uklanjanje začepjenja i naslaga
Dvostruka burgija u obliku palice		Za uklanjanje manjih začepjenja
Zglobna burgija u obliku palice		Za uklanjanje manjih začepjenja
Križna burgija za čišćenje cevi		Za uklanjanje začepjenja u malim cevovodima
Burgija sa kugličnim vrhom		Za uklanjanje začepjenja u malim cevovodima
Karbidna burgija		Za uklanjanje začepjenja izazvanih tvrdokornim naslagama
Glodalo sa kugličnim vrhom		Za uklanjanje začepjenja izazvanih tvrdokornim naslagama
Iglično glodalo		Za uklanjanje začepjenja izazvanih tvrdokornim naslagama
Lančana centrifugalna glava sa karbidnom burgijom		Za uklanjanje začepjenja izazvanih tvrdokornim naslagama
Burgija za vađenje predmeta iz cevi		Za vađenje predmeta

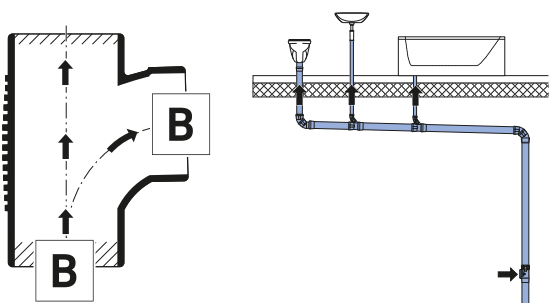
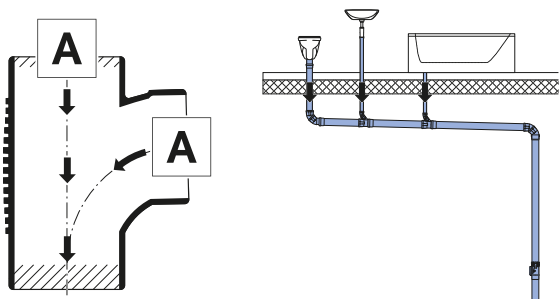
Prečnik alata za čiščenje cevi

Pravac čiščenja	Prečnik cevi	Maksimalni prečnik alata za čiščenje cevi				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Nije primenljivo

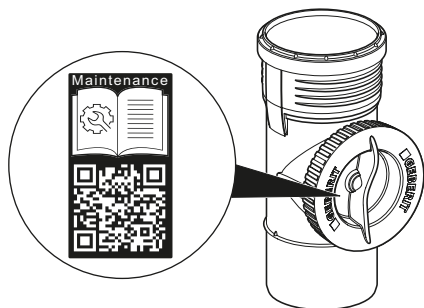
Torustike puhastamine

Puhastussuuna kirjeldus

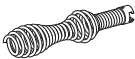
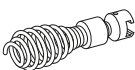
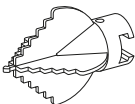
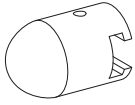
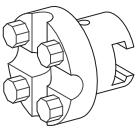
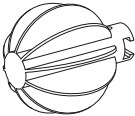
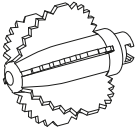
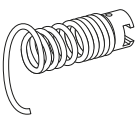


QR-kood puhastusdetailidel

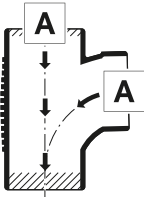
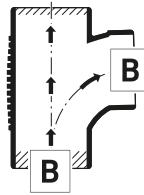
Geberit Silent-Pro ja Geberit Silent-PP puhastusdetailidel viitab QR-kood Geberit torustikesüsteemide hooldusjuhendile.



Puhastustööriistade kirjeldus

Torustiku tööriistad	Joonis	Funktsioon
Lehtpuur		Ummistuste ja ladestiste eemaldamiseks
Topeltpuur		Kergele ummistuste eemaldamiseks
Liigendpuur		Kergele ummistuste eemaldamiseks
Ristteraga puur		Ummistuste eemaldamiseks väikestest torustikest
Kuulpeapuur		Ummistuste eemaldamiseks väikestest torustikest
Kõvametallist puuripea		Tugevatest inkrustatsioonidest tingitud ummistuste eemaldamiseks
Kuulpeafrees		Tugevatest inkrustatsioonidest tingitud ummistuste eemaldamiseks
Siilfrees		Tugevatest inkrustatsioonidest tingitud ummistuste eemaldamiseks
Kõvametall-puuripeaga kettpuhasti		Tugevatest inkrustatsioonidest tingitud ummistuste eemaldamiseks
Tagastuspuur		Esemete tagasitoomiseks

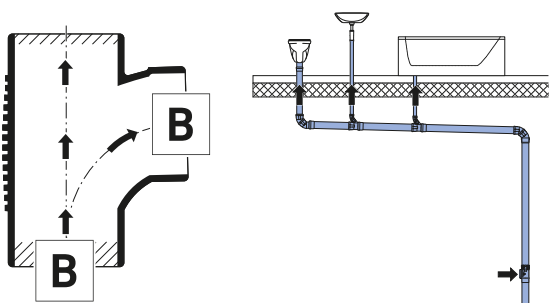
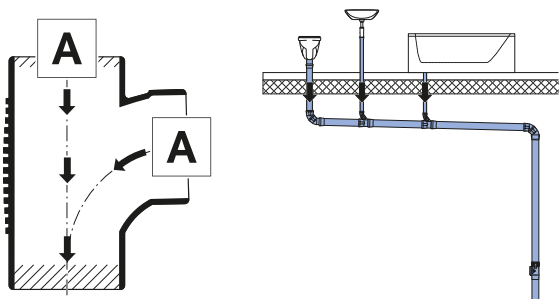
Torupuhastustööriistade läbimõõt

Puhastussuund	Toru läbimõõt	Torupuhastustööriistade maksimaalne läbimõõt				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Ei ole kasutatav

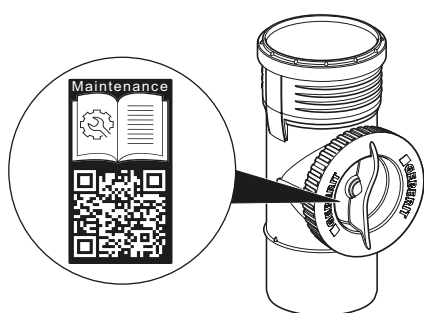
Cauruļvadu tīrīšana

Tīrīšanas virziena apraksts

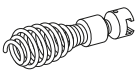
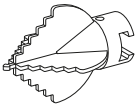
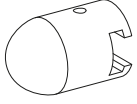
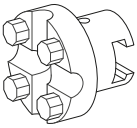
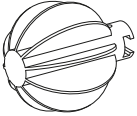
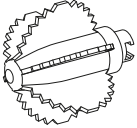
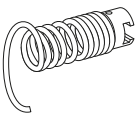


Fasona detaļu QR kods

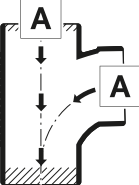
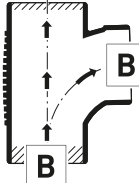
Geberit Silent-Pro un Geberit Silent-PP cauruļvadu fasona detaļu QR kods norāda uz Geberit cauruļvadu sistēmas tehniskā stāvokļa uzturēšanas pamācību.



Tīrīšanas instrumentu apraksts

Cauruļvadu instrumenti	Attēls	Funkcija
Urbis ar lāpstiņveida galviņu		Aizsprostojumu un nogulšņu likvidēšanai
Dubultā ovālā spirāle		Vieglu aizsprostojumu likvidēšanai
Ovālā spirāle ar šarnīru		Vieglu aizsprostojumu likvidēšanai
Urbis ar krusta lāpstiņveida galviņu		Aizsprostojumu likvidēšanai mazās caurulēs
Lodveida urbis		Aizsprostojumu likvidēšanai mazās caurulēs
Karbīda urbja uzgalis		Lielu kaļķakmens nogulšņu radīto aizsprostojumu likvidēšanai
Lodveida frēze		Lielu kaļķakmens nogulšņu radīto aizsprostojumu likvidēšanai
Dzelonfrēze		Lielu kaļķakmens nogulšņu radīto aizsprostojumu likvidēšanai
Ķēdes centrifūga ar karbīda urbja uzgali		Lielu kaļķakmens nogulšņu radīto aizsprostojumu likvidēšanai
Izvilšanas urbis		Priekšmetu izvilšanai

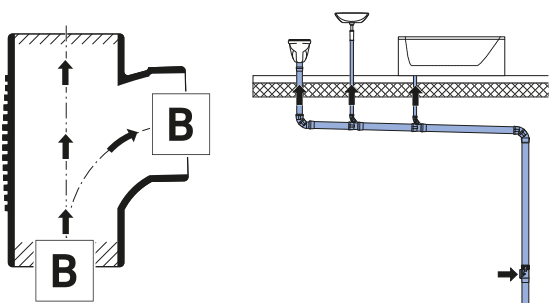
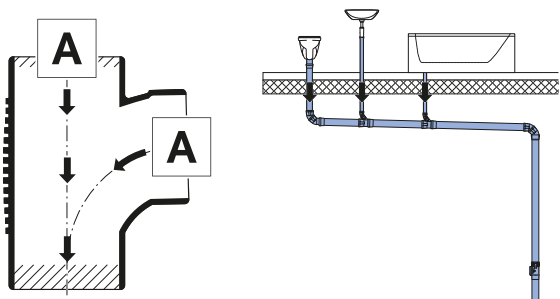
Cauruļu tīrīšanas instrumentu diametrs

Tīrīšanas virziens	Cauruļu diametrs	Cauruļu tīrīšanas instrumentu maksimālais diametrs				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Netiek piemērots

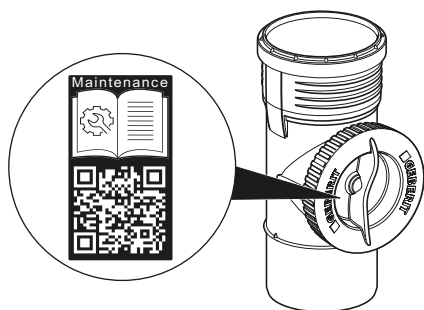
Vamzdynų valymas

Valymo krypties aprašymas

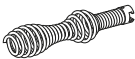
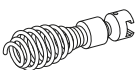
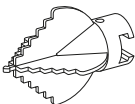
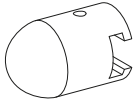
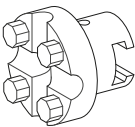
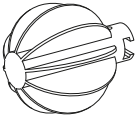
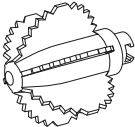
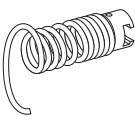


QR kodas ant valymo priemonių

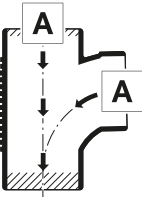
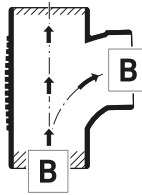
Prie Geberit Silent-Pro ir Geberit Silent-PP valymo priemonių esančiame QR kode pateikiama nuoroda į Geberit vamzdynų priežiūros instrukciją.



Valymo įrankių aprašymas

Vamzdynų įrankiai	Paveikslas	Funkcija
Lakštų grąžtas		Užsikimšimams ir nuosėdoms šalinti
Dvigubas buožės grąžtas		Skirta lengviems užsikimšimams šalinti
Sujungimų buožės grąžtas		Skirta lengviems užsikimšimams šalinti
Kryžminis lakštų grąžtas		Skirtas užsikimšimams mažuose vamzdžiuose šalinti
Grąžtas su rutuline galvute		Skirtas užsikimšimams mažuose vamzdžiuose šalinti
Kietmetalo gręžimo galvutė		Skirta stipriai pridžiūvusiems užsikimšimams šalinti
Frezos su rutuline galvute		Skirta stipriai pridžiūvusiems užsikimšimams šalinti
Adatinė freza		Skirta stipriai pridžiūvusiems užsikimšimams šalinti
Grandinės stropas su kietmetalo gręžimo galvute		Skirta stipriai pridžiūvusiems užsikimšimams šalinti
Grąžinimo grąžtas		Objektams atkurti

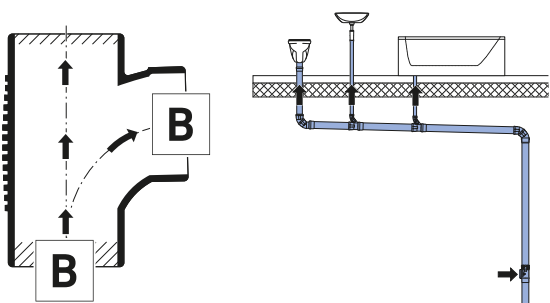
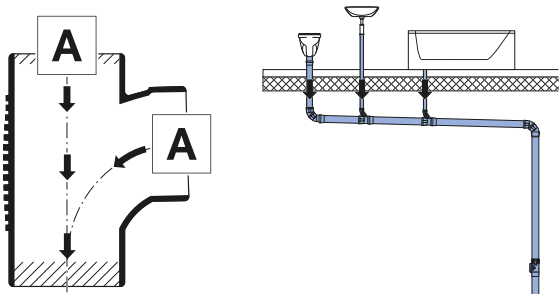
Vamzdžių valymo įrankių skersmuo

Valymo kryptis	Vamzdžio skersmuo	Didžiausias vamzdžių valymo įrankių skersmuo				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Netaikoma

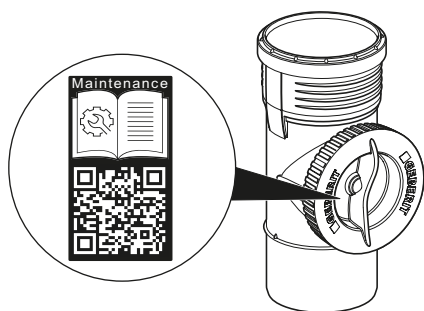
Почистване на тръбопроводи

Описание на посоката на почистване

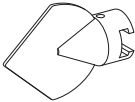
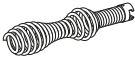
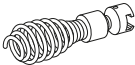
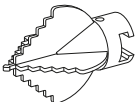
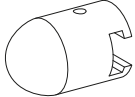
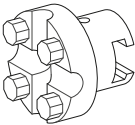
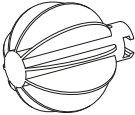
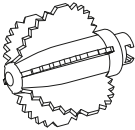
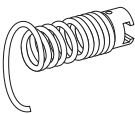


QR код върху частите за почистване

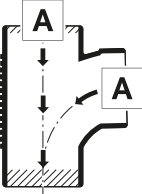
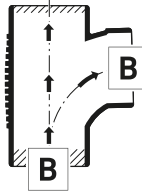
QR кодът върху ръководството на поддръжка на тръбопроводните системи на Geberit препраща към частите за почистване Geberit Silent-Pro и Geberit Silent-PP.



Описание на инструментите за почистване

Инструменти за тръбопроводи	Фигура	Функция
Плоско свредло		За отстраняване на запушвания и отлагания
Двойно свредло със спирала		За отстраняване на леки запушвания
Шарнирно свредло със спирала		За отстраняване на леки запушвания
Кръстато плоско свредло		За отстраняване на запушвания в малки тръбопроводи
Свредло с обла глава		За отстраняване на запушвания в малки тръбопроводи
Твърдосплавна глава за свредло		За отстраняване на запушвания поради големи отлагания
Фрезер с обла глава		За отстраняване на запушвания поради големи отлагания
Иглен фрезер		За отстраняване на запушвания поради големи отлагания
Верижна центрофуга с твърдосплавна глава за пробиване		За отстраняване на запушвания поради големи отлагания
Свредло за изваждане		За запазване на предмети

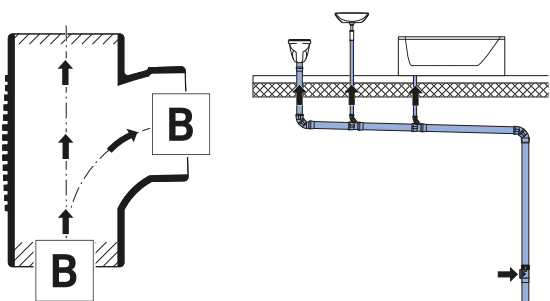
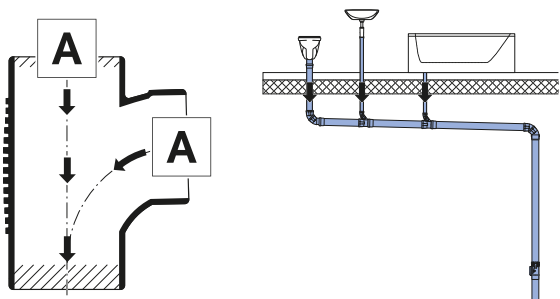
Диаметър на инструментите за почистване на тръби

Посока на почистване	Диаметър на тръбата	Максимален диаметър на инструментите за почистване на тръби				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro/Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56 – 63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56 – 63	40	40	—	—	—
	50	40	40	40	40	30

— Неприложимо

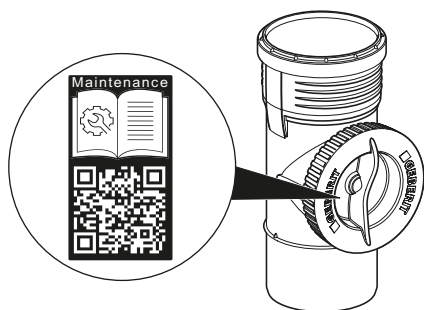
Curățare conducte

Descrierea direcției de curățare

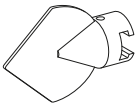
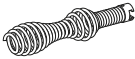
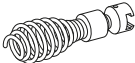
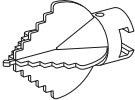
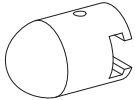
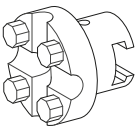
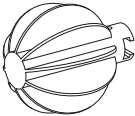
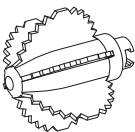
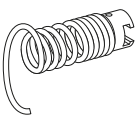


Cod QR pe piesele de curățare

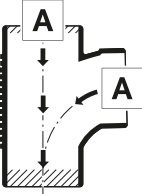
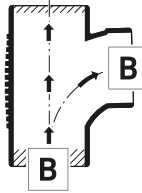
Pe piesele de curățare Geberit Silent-Pro și Geberit Silent-PP, codul QR face trimitere la instrucțiunile pentru lucrări de întreținere a țevelor Geberit.



Descrierea sculelor pentru curățare

Scule pentru conducte	Figura	Funcție
Ejector de grăsime		Pentru îndepărtarea blocajelor și a depunerilor
Burghiu dublu pentru suport		Pentru îndepărtarea blocajelor ușoare
Burghiu articulată pentru suport		Pentru îndepărtarea blocajelor ușoare
Burghiu cu lamă transversală		Pentru îndepărtarea blocajelor din conductele mici
Burghiu cu vârf sferic		Pentru îndepărtarea blocajelor din conductele mici
Vârf de burghiu din carbură		Pentru îndepărtarea blocajelor datorate unor incrustații puternice
Freză cu capăt sferic		Pentru îndepărtarea blocajelor datorate unor incrustații puternice
Freză arici		Pentru îndepărtarea blocajelor datorate unor incrustații puternice
Șlefuitor cu lanț cu vârf de burghiu din carbură		Pentru îndepărtarea blocajelor datorate unor incrustații puternice
Burghiu de extragere		Pentru recuperarea obiectelor

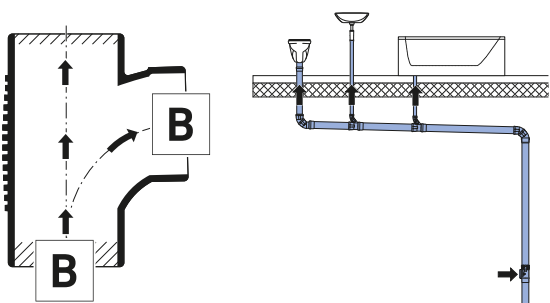
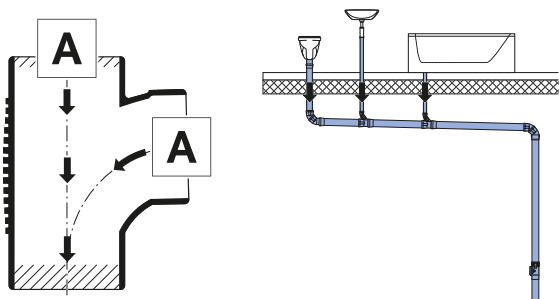
Diametrul sculelor de curățare a conductelor

Direcția de curățare	Diametru conductă	Diametrul maxim al sculelor de curățare a conductelor				
		Geberit HDPE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Nu se aplică

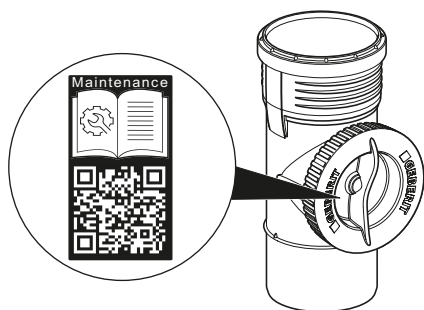
Pastrimi i tubacioneve

Përshkrimi i drejtimit të pastrimit

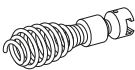
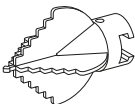
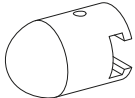
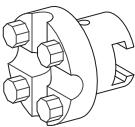
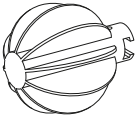
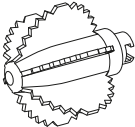
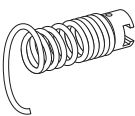


Kodi QR në pjesët e pastrimit

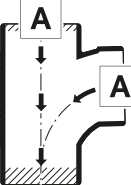
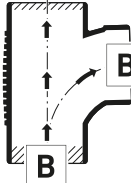
Në pjesët e pastrimit Geberit Silent-Pro dhe Geberit Silent-PP kodi QR i referohet manualit të mirëmbajtjes së sistemeve të tubacioneve Geberit.



Përshkrimi i veglave të pastrimit

Veglat e tubacioneve	Ilustrimi	Funksioni
Kokë zhbllokuese gjethesh		Për heqjen e bllokimeve dhe shtresave
Kokë zhbllokuese dyshe me balonë		Për eliminimin e bllokimeve të lehta
Kokë zhbllokuese me balonë me çernier		Për eliminimin e bllokimeve të lehta
Kokë zhbllokuese me fletë kryq		Për eliminimin e bllokimeve në tuba të vegjël
Kokë zhbllokuese sferike		Për eliminimin e bllokimeve në tuba të vegjël
Kokë gërryese prej metali të fortë		Për eliminimin e bllokimeve të shkaktuara nga formimi i madh i bi-gorrit
Frezë me kokë sferike		Për eliminimin e bllokimeve të shkaktuara nga formimi i madh i bi-gorrit
Frezë me thumba		Për eliminimin e bllokimeve të shkaktuara nga formimi i madh i bi-gorrit
Gërryese me zinxhir me kokë shpimi prej metali të fortë		Për eliminimin e bllokimeve të shkaktuara nga formimi i madh i bi-gorrit
Kokë zhbllokuese me grep		Për kapjen e objekteve

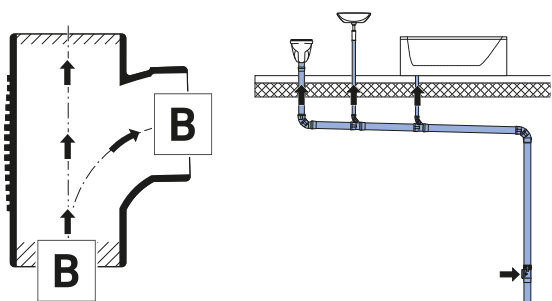
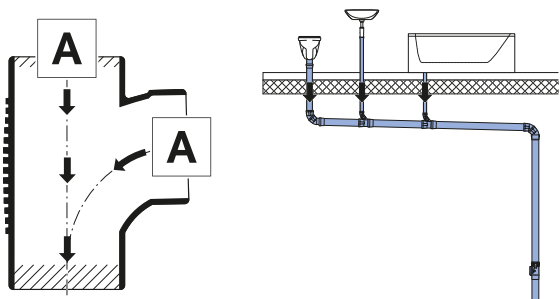
Diametri i veglave të pastrimit të tubacioneve

Drejtimi i pastrimit	Diametri i tubit	Diametri maksimal i veglave të pastrimit të tubacioneve				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56-63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56-63	40	40	—	—	—
	50	40	40	40	40	30

— E papërdorshme

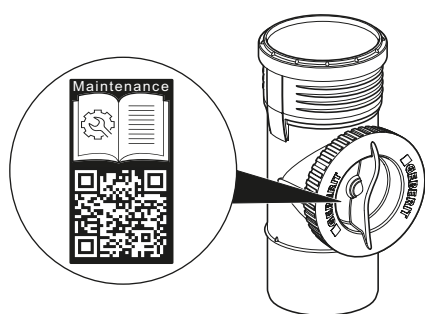
Чистење цевководи

Опис на насоката на чистење

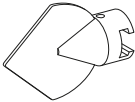
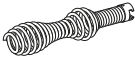
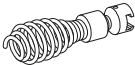
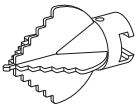
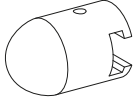
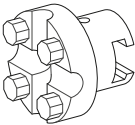
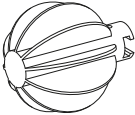
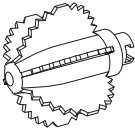
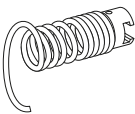


QR-код на парчињата за чистење

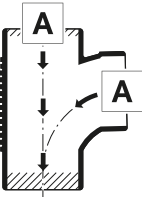
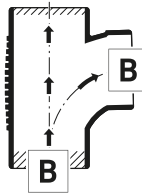
На парчињата за чистење Geberit Silent-Pro и Geberit Silent-PP QR-кодот упатува на упатството за одржување на Geberit системите за цевководи.



Опис на алатките за чистење

Алатки за цевковод	Илустрација	Функција
Дупчалка на листови		За отстранување затнувања и наслаги
Дупчалка со спирала		За отстранување лесни затнувања
Зглобна дупчалка со спирала		За отстранување лесни затнувања
Дупчалка со крст-сечило		За отстранување затнувања во мали цевководи
Дупчалка со топчеста глава		За отстранување затнувања во мали цевководи
Карбидна глава за дупчење		За отстранување затнувања предизвикани од тешки закоравувања
Фреза со топчеста глава		За отстранување затнувања предизвикани од тешки закоравувања
Иглеста фреза		За отстранување затнувања предизвикани од тешки закоравувања
Удирач со синџири со карбидна глава за дупчење		За отстранување затнувања предизвикани од тешки закоравувања
Повратно сврдло		За спасување предмети

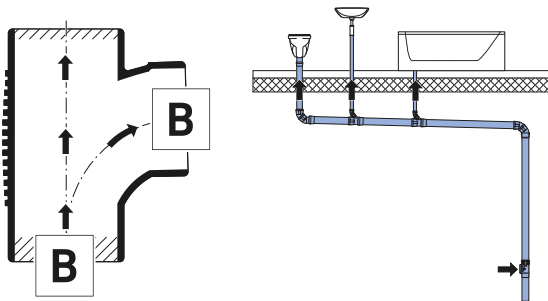
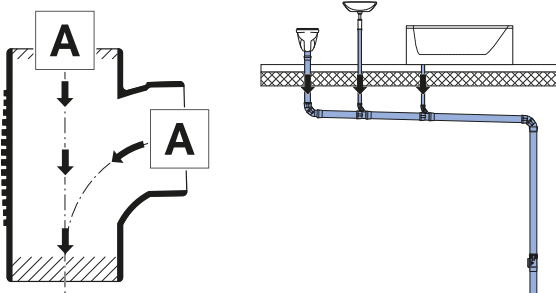
Дијаметар на алатките за чистење

Насока на чистење	Дијаметар	Максимален дијаметар на алатките за чистење цевки				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Неприменливо

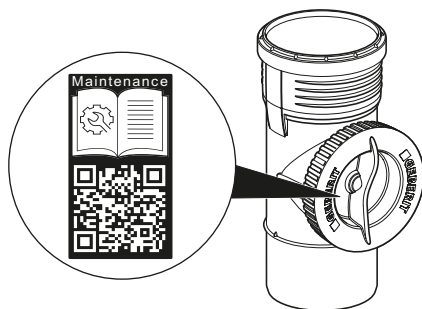
Καθαρισμός σωληνώσεων

Περιγραφή της κατεύθυνσης καθαρισμού

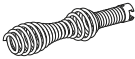
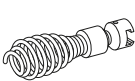
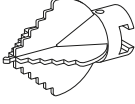
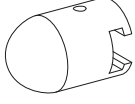
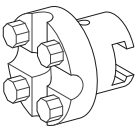
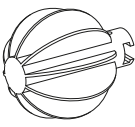
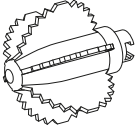
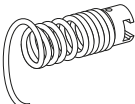


Κωδικός QR στα τεμάχια καθαρισμού

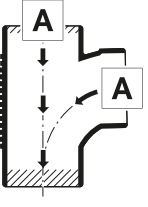
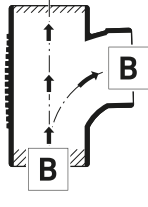
Στα τεμάχια καθαρισμού Geberit Silent-Pro και Geberit Silent-PP ο κωδικός QR παραπέμπει στο εγχειρίδιο συντήρησης των συστημάτων σωλήνωσης Geberit.



Περιγραφή των εργαλείων καθαρισμού

Εργαλεία σωληνώσεων	Εικόνα	Λειτουργία
Κεφαλή φύλλων		Για την απομάκρυνση εμφράξεων και εναποθέσεων
Διπλή ελατηριωτή κεφαλή		Για την απομάκρυνση ελαφριών εμφράξεων
Αρθρωτή ελατηριωτή κεφαλή		Για την απομάκρυνση ελαφριών εμφράξεων
Σταυρωτή κεφαλή φύλλων		Για την αφαίρεση εμφράξεων σε μικρές σωληνώσεις
Τρυπάνι με σφαιρική κεφαλή		Για την αφαίρεση εμφράξεων σε μικρές σωληνώσεις
Κεφαλή τρυπανιού σκληρού μετάλλου		Για την απομάκρυνση εμφράξεων λόγω σκληρών επικαθίσεων
Φρέζα με σφαιρική κεφαλή		Για την απομάκρυνση εμφράξεων λόγω σκληρών επικαθίσεων
Φρέζα οδοντωτή		Για την απομάκρυνση εμφράξεων λόγω σκληρών επικαθίσεων
Φυγοκεντρικός διανομέας αλυσίδας με κεφαλή τρυπανιού σκληρού μετάλλου		Για την απομάκρυνση εμφράξεων λόγω σκληρών επικαθίσεων
Τρυπάνι επαναφοράς		Για την ανάκτηση αντικειμένων

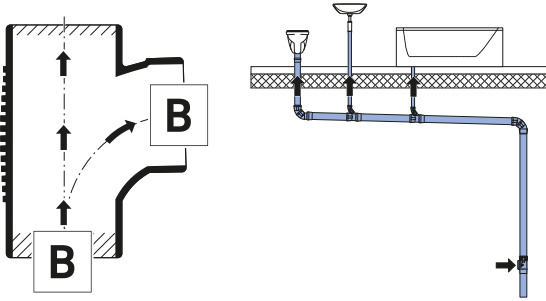
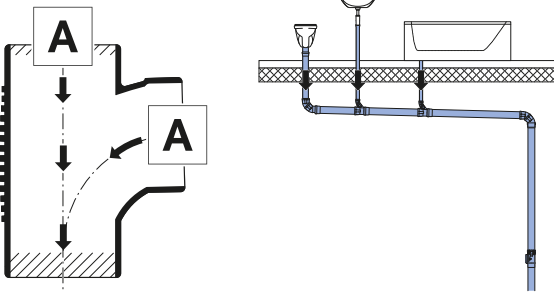
Διάμετρος των εργαλείων καθαρισμού σωληνώσεων

Κατεύθυνση καθαρισμού	Διάμετρος σωλήνα	Μέγιστη διάμετρος των εργαλείων καθαρισμού σωληνώσεων				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _i [mm]	d _i [mm]	d _i [mm]	d _i [mm]	d _i [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Δεν εφαρμόζεται

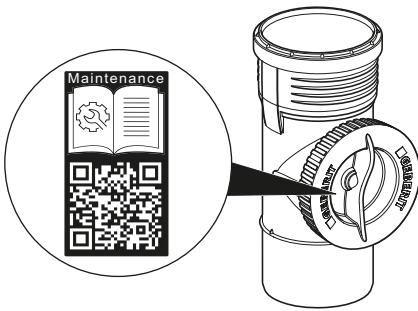
Boru hatlarının temizlenmesi

Temizleme yönüyle ilgili açıklama

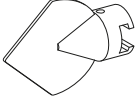
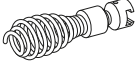
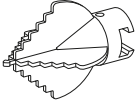
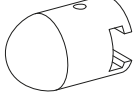
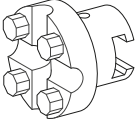
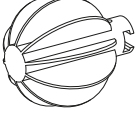
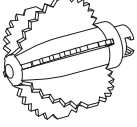
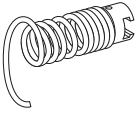


Temizleme kapaklarının üzerindeki QR kodu

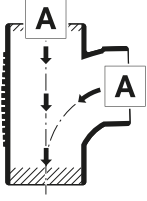
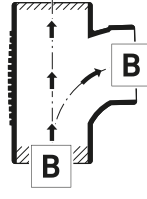
Geberit Silent-Pro ve Geberit Silent-PP temizleme kapaklarının üzerindeki QR kodu Geberit boru sistemlerinin bakım kılavuzlarına yönlendirir.



Temizleme araçlarıyla ilgili açıklama

Boru hattı araçları	Şekil	Fonksiyon
Yaprak matkap ucu		Tıkanıklıkları ve biriken atıkları gidermek için
Çift ağızlı kanal açma ucu		Hafif tıkanıklıkları gidermek için
Çene mafsallı kanal açma ucu		Hafif tıkanıklıkları gidermek için
Çapraz bıçaklı matkap ucu		Küçük boru hatlarındaki tıkanıklıkları gidermek için
Top diş matkap ucu		Küçük boru hatlarındaki tıkanıklıkları gidermek için
Karbür matkap ucu		Yüksek düzey kireçlenmelerin neden olduğu tıkanıklıkları gidermek için
Bilyalı freze		Yüksek düzey kireçlenmelerin neden olduğu tıkanıklıkları gidermek için
Helis freze kesici başı		Yüksek düzey kireçlenmelerin neden olduğu tıkanıklıkları gidermek için
Karbür matkap uçlu zincir kafa		Yüksek düzey kireçlenmelerin neden olduğu tıkanıklıkları gidermek için
Çekme yayı		Nesneleri geri çekmek için

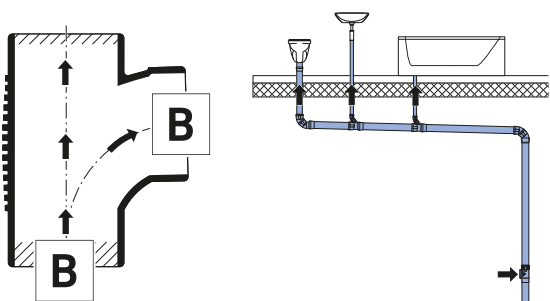
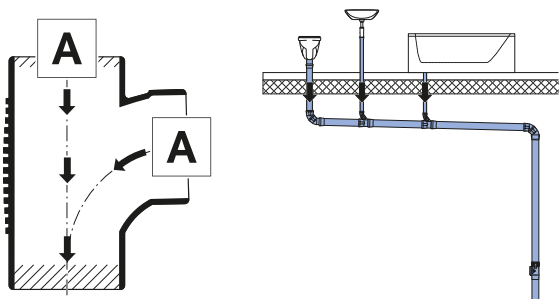
Boru hattı temizleme araçlarının çapı

Temizleme yönü	Boru çapı	Gider temizleme araçlarının maksimum çapı				
		Geberit HDPE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56-63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56-63	40	40	—	—	—
	50	40	40	40	40	30

— Uygulanmaz

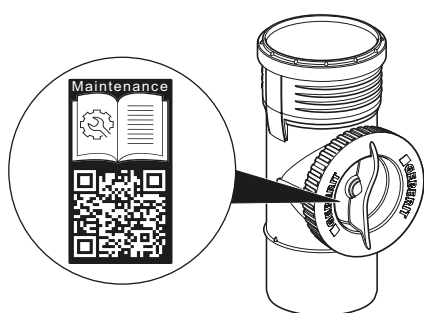
Очистка труб

Описание направления очистки

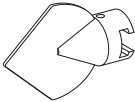
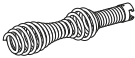
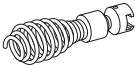
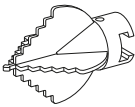
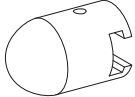
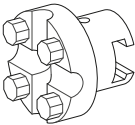
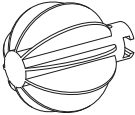
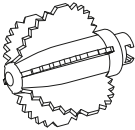
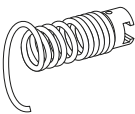


QR-код на ревизиях

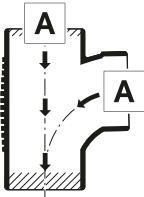
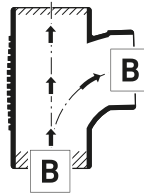
По QR-коду на ревизиях Geberit Silent-Pro и Geberit Silent-PP можно перейти к руководству по поддержанию в исправном состоянии для трубопроводных систем Geberit.



Описание инструментов для очистки

Инструменты для очистки труб	Рисунок	Функция
Лопаточный бур		Для устранения засоров и отложений
Двойной грушевидный бур		Для устранения небольших засоров
Шарнирный грушевидный бур		Для устранения небольших засоров
Крестообразный лопаточный бур		Для устранения засоров в небольших трубах
Шарообразный бур		Для устранения засоров в небольших трубах
Твердосплавная буровая головка		Для устранения засоров, образовавшихся в результате значительных отложений
Шарообразная фреза		Для устранения засоров, образовавшихся в результате значительных отложений
Зубчатая фреза		Для устранения засоров, образовавшихся в результате значительных отложений
Цепная молотилка с твердосплавной буровой головкой		Для устранения засоров, образовавшихся в результате значительных отложений
Крюкообразная ловилка		Для извлечения предметов

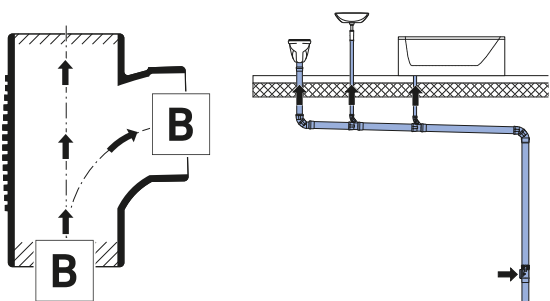
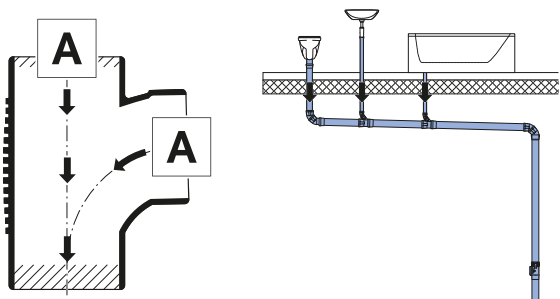
Диаметр инструментов для очистки труб

Направление очистки	Диаметр трубы	Максимальный диаметр инструментов для очистки труб				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro/ Geberit Silent-PP Carve
						
	d [мм]	d _t [мм]	d _t [мм]	d _t [мм]	d _t [мм]	d _t [мм]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Не применяется

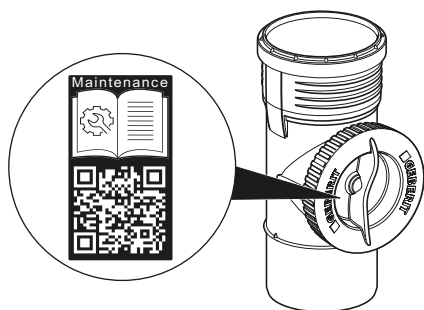
Очищення трубопроводів

Опис напрямку очищення

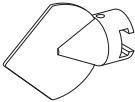
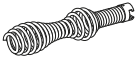
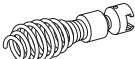
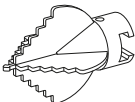
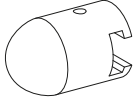
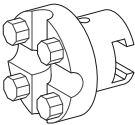
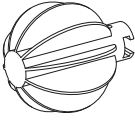
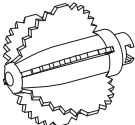
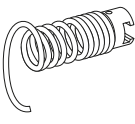


QR-код на ревзіях

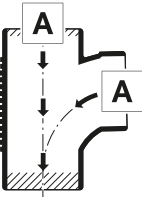
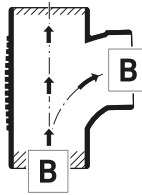
QR-код на ревзіях Geberit Silent-Pro та Geberit Silent-PP спрямовує до інструкції з технічного обслуговування систем трубопроводів Geberit.



Опис інструментів для очищення

Інструменти для трубопроводів	Зображення	Функція
Лопатеве пласке свердло		Для усунення засмічень і відкладень
Подвійне булавоподібне свердло		Для усунення невеликих засмічень
З'єднуване булавоподібне свердло		Для усунення невеликих засмічень
Хрестоподібне лопатеве пласке свердло		Для усунення засмічень у невеликих трубопроводах
Свердло з кулястою головою		Для усунення засмічень у невеликих трубопроводах
Твердосплавна свердлильна головка		Для усунення засмічень через сильні відкладення
Фреза з кулястою головою		Для усунення засмічень через сильні відкладення
Фреза-йорж		Для усунення засмічень через сильні відкладення
Ланцюговий виштовхувач із твердосплавною свердлильною головою		Для усунення засмічень через сильні відкладення
Витягувальне свердло		Для витягування предметів

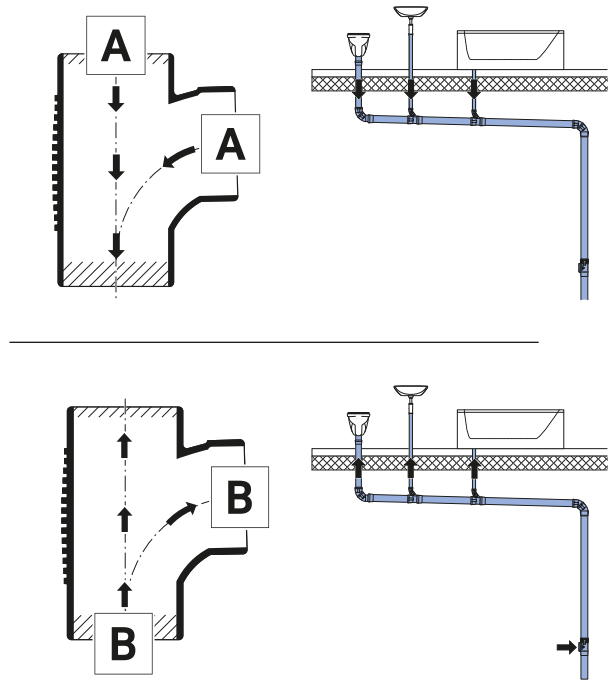
Діаметр інструментів для очищення труб

Напрямок очищення	Діаметр труби	Максимальний діаметр інструментів для очищення труб				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [мм]	d _t [мм]	d _t [мм]	d _t [мм]	d _t [мм]	d _t [мм]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56–63	40	40	—	—	—
	50	40	40	40	40	30

— Не застосовується

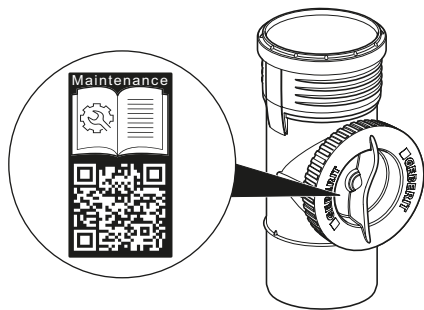
疏通管路

疏通方向说明

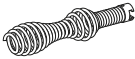
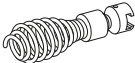
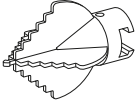
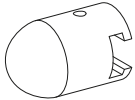
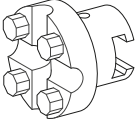
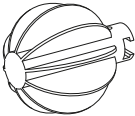
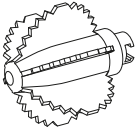
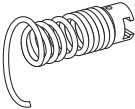


疏通件上的二维码

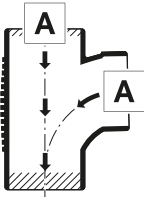
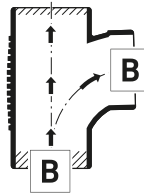
Geberit Silent-Pro 和 Geberit Silent-PP 疏通件上的二维码链接至 Geberit 管道系统的维护手册。



疏通工具说明

管路工具	插图	功能
一字刀头		用于清除堵塞和沉积物
双鼓刀头		用于清除轻微堵塞
万向接头鼓形刀头		用于清除轻微堵塞
十字刀头		用于清除细小管路中的堵塞
球头刀头		用于清除细小管路中的堵塞
硬质合金钻头		用于清除因严重结垢而造成的堵塞
球头铣刀		用于清除因严重结垢而造成的堵塞
刺猬铣刀		用于清除因严重结垢而造成的堵塞
带硬质合金钻头的链式刮板机		用于清除因严重结垢而造成的堵塞
带钩刀头		用于打捞物品

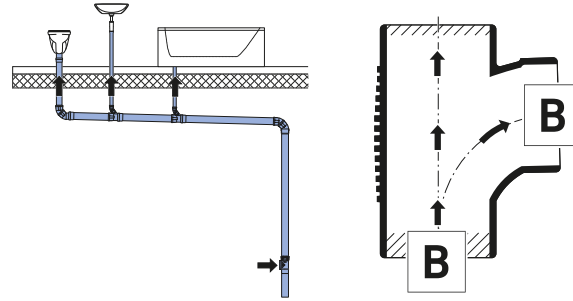
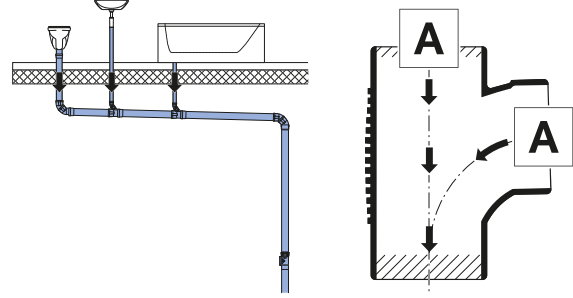
管道疏通工具直径

疏通方向	管径	管道疏通工具最大直径				
		Geberit PE	Geberit Silent-db20	Geberit Silent-PP	Geberit Silent-Pro	Geberit Silent-Pro / Geberit Silent-PP Carve
						
	d [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]	d _t [mm]
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56-63	40	40	—	—	—
	50	40	40	40	40	30
	110	90	90	90	90	60
	90	75	75	75	75	60
	75	50	50	50	50	45
	56-63	40	40	—	—	—
	50	40	40	40	40	30

— 不适用

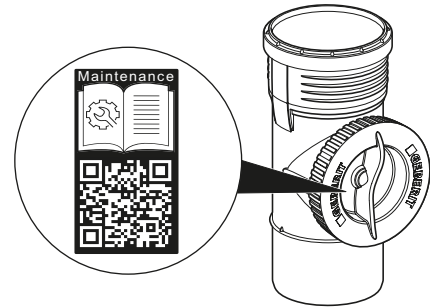
تنظيف خطوط الأنابيب

وصف اتجاه التنظيف

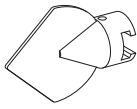
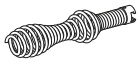
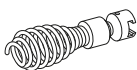
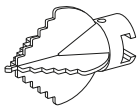
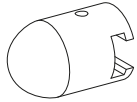
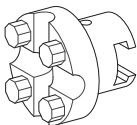
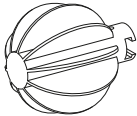
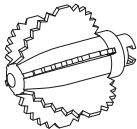
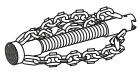
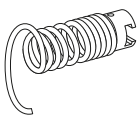


رمز الاستجابة السريعة على قطع التنظيف

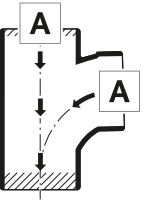
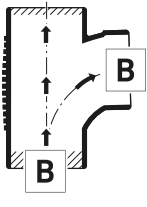
يشير رمز الاستجابة السريعة الموجود على قطع التنظيف من الشركة المصنعة Geberit Silent-Pro و Geberit Silent-PP إلى تعليمات صيانة أنظمة خطوط الأنابيب من الشركة المصنعة Geberit.



وصف أدوات التنظيف

أدوات الأنابيب	الشكل	الوظيفة
مثقاب بنصل		إزالة الانسدادات والترسبات
مثقاب وتد مزدوج		إزالة الانسدادات الخفيفة
مثقاب وتد مفصلي		إزالة الانسدادات الخفيفة
مثقاب بنصل متقاطع		إزالة الانسدادات في خطوط الأنابيب الصغيرة
مثقاب برأس كروي		إزالة الانسدادات في خطوط الأنابيب الصغيرة
رأس ثقب من كريد الأنغستين		إزالة الانسدادات بسبب القشرة السمكة
قاطع برأس كروي		إزالة الانسدادات بسبب القشرة السمكة
قاطع قنفذ		إزالة الانسدادات بسبب القشرة السمكة
نايذة طرد مركزي سلسلة برأس ثقب من كريد الأنغستين		إزالة الانسدادات بسبب القشرة السمكة
مثقاب إرجاع		لاستعادة الأشياء

قطر أدوات تنظيف الأنابيب

الحد الأقصى لقطر أدوات تنظيف الأنابيب					قطر الأنبوب	اتجاه التنظيف
Geberit Silent-Pro / Geberit Silent-PP Carve	Geberit Silent-Pro	Geberit Silent-PP	Geberit Silent-db20	Geberit PE		
						
d _t [مم]	d _t [مم]	d _t [مم]	d _t [مم]	d _t [مم]	d [مم]	
60	90	90	90	90	110	
60	75	75	75	75	90	
45	50	50	50	50	75	
—	—	—	40	40	63–56	
30	40	40	40	40	50	
60	90	90	90	90	110	
60	75	75	75	75	90	
45	50	50	50	50	75	
—	—	—	40	40	63–56	
30	40	40	40	40	50	

— لا ينطبق

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