

PE DRAINAGE



HDPE PIPING SYSTEM

The Geberit Polyethylene (PE) drainage system is ideally suited for use in a wide range of applications including: above and below ground drainage, normal and industrial waste and stormwater, as well as rainwater discharge inside domestic and industrial buildings.



Standards and Quality Marks

Geberit PE Drainage is produced in conformity with the unified standard EN 1519 and has Watermark License W210 under MP52 Spec 005: - Sanitary plumbing pipes and pipe fittings.

Benefits

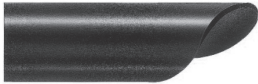
- Quick and simple to install, via either butt welding or electrofusion welding
- Safe, secure and flexible
- Fewer blockages as PE's non-wettable surface resists build up and aids faster flow to reduce the likelihood of blockages
- High impact resistance, even at low temperatures
- Low noise transmission
- Wide temperature range
- Excellent abrasion resistance
- Good chemical resistance, please contact our sales team for suitability

Applications

A Geberit PE Drainage system is ideally suited to applications where high integrity is required:

- DWV services and ducts in and under buildings
- Industrial waste drainage
- Hot and cold waste lines
- Sewer or drain rehabilitation
- Where ground or structural movement could occur (e.g. earthquakes)
- Siphonic roof drainage systems
- "Greasy" tradewaste

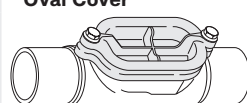
For information relating to Siphonic drainage systems and Sovent ventilated stack systems please contact our sales team.

PE DRAINAGE PIPE				
	Code	Size OD (mm)	Wall Thickness (mm)	Internal Diameter (mm)
PE Drainage Pipe 5 Metre Lengths 	PPED/040	40	3	34
	PPED/050	50	3	44
	PPED/056	56	3	50
	PPED/063	63	3	57
	PPED/075	75	3	69
	PPED/090	90	3.5	83
	PPED/110	110	4.3	101.4
	PPED/125	125	4.9	115.2
	PPED/160	160	6.2	147.6
	*PPED/200	200	7.7	184.6
	*PPED/250	250	9.7	230.6
	*PPED/315	315	12.2	290.6
*SDR26 rated				
PE Drainage Pipe 5 Metre Lengths 	PPED33/200	200	6.2	187.6
	PPED33/250	250	7.8	234.4
	PPED33/315	315	9.8	295.4
SDR33 rated				

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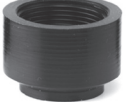
HDPE PIPING SYSTEM

PE DRAINAGE FITTINGS						
	Code	Size OD (mm)			Code	Size OD (mm)
Electrofusion Coupler 	FPEDEC/040	40	Equal Tee 	Reducing Tee 	FPEDT/040	40
	FPEDEC/050	50			FPEDT/050	50
	FPEDEC/056	56			FPEDT/056	56
	FPEDEC/063	63			FPEDT/063	63
	FPEDEC/075	75			FPEDT/075	75
	FPEDEC/090	90			FPEDT/090	90
	FPEDEC/110	110			FPEDT/110	110
	FPEDEC/125	125			FPEDT/160	160
	FPEDEC/160	160			FPEDT/200	200
	FPEDEC/200	200			FPEDT/250	250
	FPEDEC/250	250			FPEDT/315	315
	FPEDEC/315	315				
	Elbow 45°  *Larger sizes prefabricated	FPEDEL45/040			40	88.5° Swept Tee 
FPEDEL45/050		50	FPEDRT/056X050	56 x 50		
FPEDEL45/056		56	FPEDRT/075X040	75 x 40		
FPEDEL45/063		63	FPEDRT/075X050	75 x 50		
FPEDEL45/075		75	FPEDRT/075X056	75 x 56		
FPEDEL45/090		90	FPEDRT/075X063	75 x 63		
FPEDEL45/110		110	FPEDRT/110X040	110 x 40		
FPEDEL45/125		125	FPEDRT/110X050	110 x 50		
FPEDEL45/160		160	FPEDRT/110X056	110 x 56		
FPEDEL45/200		200	FPEDRT/110X063	110 x 63		
*FPEDEL45/250		250	FPEDRT/110X075	110 x 75		
*FPEDEL45/315		315	FPEDRT/110X090	110 x 90		
Bend 88°  *Larger sizes prefabricated		FPEDEL88/040	40	Access Pipe With Oval Cover 	4 Way Riser 	
	FPEDEL88/050	50	FPEDRT/160X110			160 x 110
	FPEDEL88/056	56	FPEDRT/200X110			200 x 110
	FPEDEL88/063	63	FPEDRT/200X160			200 x 160
	FPEDEL88/075	75	FPEDRT/250X110			250 x 110
	FPEDEL88/090	90	FPEDRT/250X160			250 x 160
	FPEDEL88/110	110	FPEDRT/315X160			315 x 160
	FPEDEL88/125	125	FPEDRT/315X200			315 x 200
	*FPEDEL88/160	160	FPEDRT/315X250			315 x 250
			FPEDST/110x110			110
	90° Bend Long Spigot  *Larger sizes prefabricated	FPEDB90LS/040	40			Ball Chambers with 2, 3 or 4 branches - available on request
FPEDB90LS/050		50				
FPEDB90LS/056		56				
FPEDB90LS/063		63				
FPEDB90LS/075		75				
90° Segmented Bend *Prefabricated to order	FPEDB90LS/090	90				
	FPEDB90LS/110	110				
	FPEDB90LS/160	160				
	*FPEDB90LS/200	200				
	*FPEDB90LS/250	250				
Stub Flange 	*FPEDB90LS/315	315				
	FPEDSF/050	50				
	FPEDSF/056	56				
	FPEDSF/063	63				
	FPEDSF/075	75				
	FPEDSF/090	90				
	FPEDSF/110	110				
	FPEDSF/160	160				
	FPEDSF/200	200				
	FPEDSF/250	250				
	FPEDSF/315	315				

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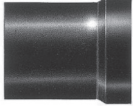
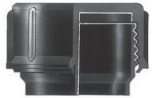
PE DRAINAGE FITTINGS								
	Code	Size OD (mm)			Code	Size OD (mm)		
Wye Junction 45°  *Larger sizes prefabricated	FPEDWYE/040	40	45° Double Branch 		FPEDDWYE/110X110	110 x 110		
	FPEDWYE/050	50						
	FPEDWYE/056	56						
	FPEDWYE/063	63						
	FPEDWYE/075	75						
	FPEDWYE/090	90						
	FPEDWYE/110	110						
	FPEDWYE/125	125						
	FPEDWYE/160	160						
	*FPEDWYE/200	200						
Reducing Wye Junction 	*FPEDWYE/250	250	Eccentric Reducer 		FPEDER/050X040	50x40		
	*FPEDWYE/315	315			FPEDER/056X040	56x40		
	FPEDWYE/050X040	50 x 40			FPEDER/056X050	56x50		
	FPEDWYE/056X050	56 x 50			FPEDER/063X050	63x50		
	FPEDWYE/063X040	63 x 40			FPEDER/063X056	63x56		
	FPEDWYE/063X050	63 x 50			FPEDER/075X040	75x40		
	FPEDWYE/063X056	63 x 56			FPEDER/075X050	75x50		
	FPEDWYE/075X040	75 x 40			FPEDER/075X056	75x56		
	FPEDWYE/075X050	75 x 50			FPEDER/075X063	75x63		
	FPEDWYE/075X056	75 x 56			FPEDER/090X050	90x50		
	FPEDWYE/075X063	75 x 63			FPEDER/090X056	90x56		
	FPEDWYE/090X040	90 x 40			FPEDER/090X063	90x63		
	FPEDWYE/090X050	90 x 50			FPEDER/090X075	90x75		
	FPEDWYE/090X056	90 x 56			FPEDER/110X040	110x40		
	FPEDWYE/090X063	90 x 63			FPEDER/110X050	110x50		
	FPEDWYE/090X075	90 x 75			FPEDER/110X056	110x56		
	FPEDWYE/110X040	110 x 40			FPEDER/110X063	110x63		
	FPEDWYE/110X050	110 x 50			FPEDER/110X075	110x75		
	FPEDWYE/110X056	110 x 56			FPEDER/110X090	110x90		
	FPEDWYE/110X075	110 x 75			FPEDER/125X050	125x50		
	FPEDWYE/110X090	110 x 90			FPEDER/125X056	125x56		
	FPEDWYE/125X063	125 x 63			FPEDER/125X063	125x63		
	FPEDWYE/125X075	125 x 75			FPEDER/125X075	125x075		
	FPEDWYE/125X090	125 x 90			FPEDER/125X090	125x90		
	FPEDWYE/125X110	125 x 110			FPEDER/125X110	125x110		
	FPEDWYE/160X075	160 x 75			FPEDER/160X110	160x110		
	FPEDWYE/160X090	160 x 90			FPEDER/160X125	160x125		
	FPEDWYE/160X110	160 x 110			Long Spigot Eccentric Reducer 		FPEDERLS/200X110	200x110
	FPEDWYE/160X125	160 x 125					FPEDERLS/200X125	200x125
	*FPEDWYE/200X110	200 x 110					FPEDERLS/200X160	200x160
	*FPEDWYE/200X125	200 x 125					FPEDERLS/250X200	250x200
	*FPEDWYE/200X160	200 x 160					FPEDERLS/315X200	315x200
*FPEDWYE/250X110	250 x 110	FPEDERLS/315X250	315x250					
*FPEDWYE/250X160	250 x 160							
*FPEDWYE/250X200	250 x 200							
*FPEDWYE/315X110	315 x 110	Male Threaded Adaptor 		FPEDMA/050X11/2	50x1½"			
*FPEDWYE/315X160	315 x 160			FPEDMA/056X2	56x2"			
*FPEDWYE/315X200	315 x 200			FPEDMA/063X2	63x2"			
*FPEDWYE/315X250	315 x 250			FPEDMA/075X21/2	75x2½"			
Loose Nut Threaded Adaptor 	FPEDLNUT/050X11/2	50 x 1½"	Female Threaded Adaptor 		FPEDFA/040X1	40x1"		
	FPEDLNUT/050X2	50 x 2"			FPEDFA/050X11/2	50x1½"		
					FPEDFA/056X2	56x2"		
					FPEDFA/063X2	63x2"		
					FPEDFA/075X21/2	75x2½"		

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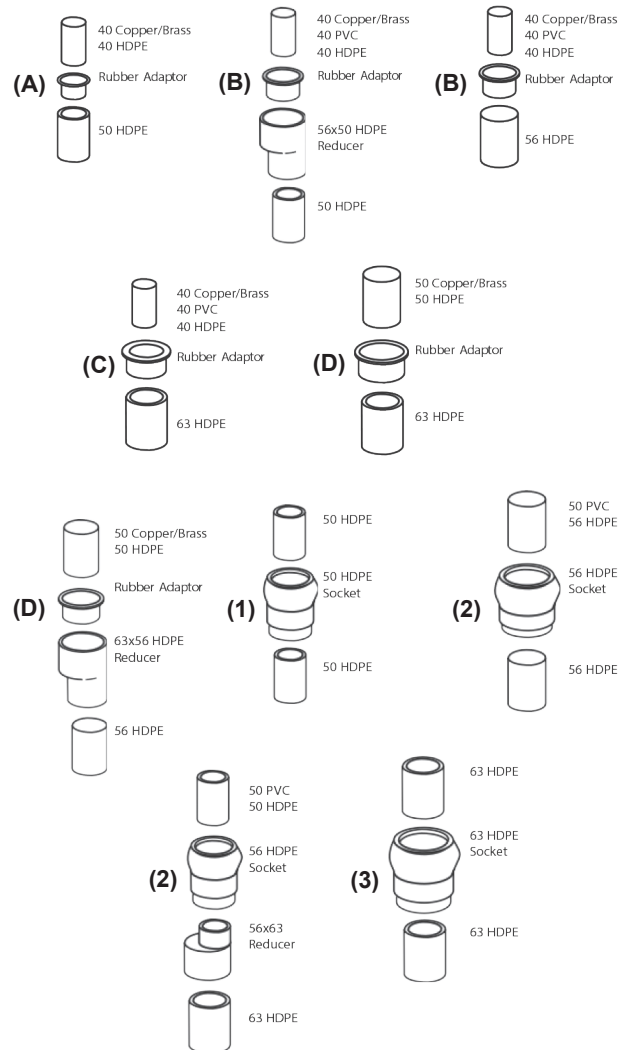


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PE DRAINAGE FITTINGS

	Code	Size OD (mm)
Pan Connector 	FPEDPC/110	110 x 135 Rubber
Screwed End Cap 	FPEDSEC/040	40
	FPEDSEC/050	50
	FPEDSEC/056	56
	FPEDSEC/060	63
	FPEDSEC/070	75
	FPEDSEC/090	90
	FPEDSEC/110	110
Long Spigot Screwed End Cap	FPEDSECLS/056	56
	FPEDSECLS/075	75
	FPEDSECLS/090	90
S Trap 	FPEDSTRAP/050X050	50
	FPEDSTRAP/050X056	50x56
P Trap 	FPEDPTRAP/050X050	50
	FPEDPTRAP/050X056	50x56
P Trap - Short Fixed 	FPEDSPT/050	50
	FPEDSPT/056	56
	FPEDSPT/063	63
	FPEDSPT/075	75
	FPEDSPT/090	90
	FPEDSPT/110	110
	FPEDSPT/160	160
	Note: Other P Trap sizes also available	
P Trap - Long Fixed 	FPEDLPT/050	50
	FPEDLPT/056	56
	FPEDLPT/063	63
	FPEDLPT/075	75
	FPEDLPT/090	90
	FPEDLPT/110	110
	FPEDLPT/160	160
	Note: Other P Trap sizes also available	
P Trap Short Adjustable 	FPEDAPT/110	110
Note: Other P Trap sizes also available		

Adaptors from 50, 56, 63mm HDPE to the fixture trap or tundish



Reduce pipe > 63mm using PE eccentric reducer then adaptors from above

KEY	Code	Size OD (mm)
(A)	FPEDRTA/050X040	50 x 40
(B)	FPEDRTA/056X040	56 x 40
(C)	FPEDRTA/063X040	63 x 40
(D)	FPEDRTA/063X050	63 x 50
(Butt Weld only)		
(1)	FPEDRRJ/050	50
(2)	FPEDRRJ/056	56
(3)	FPEDRRJ/063	63
OR Long Spigot for EF		
(1)	FPEDRRJLS/050	50
(2)	FPEDRRJLS/056	56
(63mm not available)		

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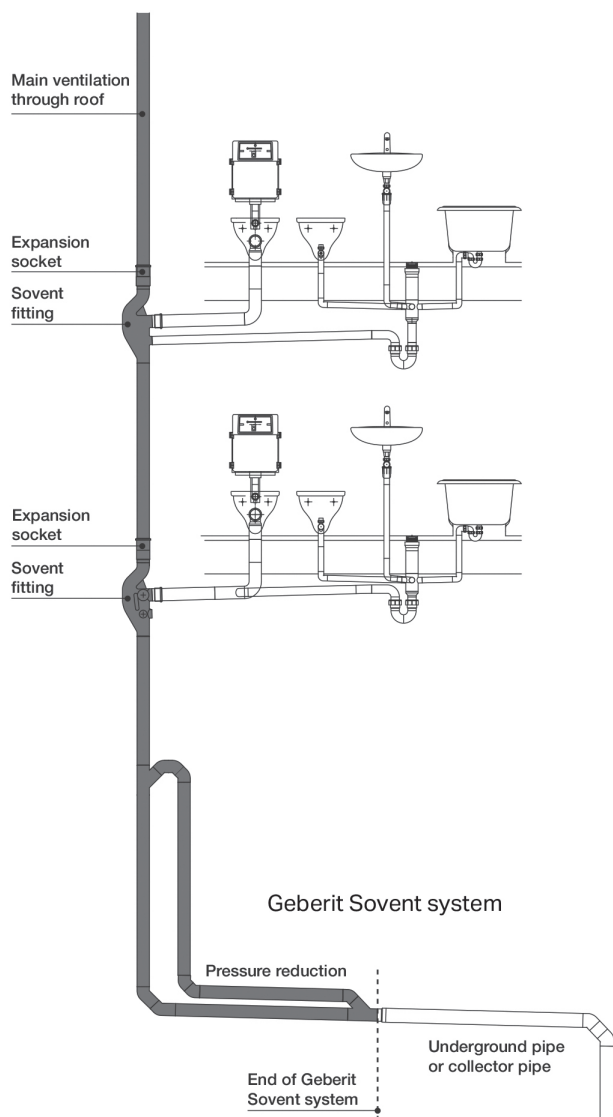


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PE DRAINAGE FITTINGS

Due to its high capacity and excellent performance Geberit Sovent is an ideal drainage system for:

- High-rise office buildings
- Hotels
- Multi-storey residential buildings



Why is Geberit Sovent a better solution?

There is a simple answer to that:

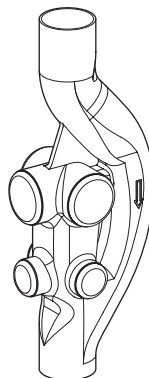
- Better performance, less space, labour and material cost

Better performance.

In comparison with conventional systems, Geberit Sovent:

- Reduces the pneumatic and hydraulic pressure
- Offers versatile branch joining possibilities
- Reduces stack sizes with the same loading capacities as a secondary ventilated system
- Saves space

Sovent Ventilation Branch



FPEDVBHF/110	110
FPEDVB/160	160

- Pre-fabricated ventilation branches offered to reduce In-situ welding and costs
- More than one PE/PVC ring seal adaptor: can be welded to a ventilation branch
- Off take locations and orientation to be confirmed at time of order

Expansion Joint



FPEDEJ/050	50
FPEDEJ/056	56
FPEDEJ/063	63
FPEDEJ/075	75
FPEDEJ/090	90
FPEDEJ/110	110
FPEDEJ/125	125
FPEDEJ/160	160
FPEDEJ/200	200
FPEDEJ/250	250
FPEDEJ/315	315

Ring Seal Adaptor



Long spigot will suit butt weld & EF

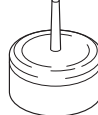
FPEDRRJ/040	40
FPEDRRJ/050	50
FPEDRRJ/056	56
FPEDRRJ/063	63
FPEDRRJ/075	75
FPEDRRJ/090	90
FPEDRRJ/110	110
FPEDRRJ/160	160

PE Slab Adaptor



FPEDSLAB/110	110
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Long Spigot Weld On End Cap



FPEDWECLS/050	50
FPEDWECLS/056	56
FPEDWECLS/075	75
FPEDWECLS/090	90
FPEDWECLS/110	110
FPEDWECLS/160	160

EF (Anchor) Tape

FPEDEFTAPE/110	110
FPEDEFTAPE/160	160
FPEDEFTAPE/200	200
FPEDEFTAPE/250	250
FPEDEFTAPE/315	315

Open Weave Cloth

FPEDOC

Electrofusion Control Unit

Welds 3 joints at one time (up to 110mm)

GEBERITESG3	40 - 315
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PE Drainage Tooling and Accessories are also available. Please refer to our Machines and Tooling Catalogue.

PE DRAINAGE



HDPE PIPING SYSTEM

GEBERIT PLUVIA SIPHONIC ROOF DRAINAGE SYSTEM

Double the amount of rainwater discharge.

Half the pipe diameter.

Geberit Pluvia outlets have been specially constructed to ensure rapid removal of rainwater from the roof using siphonic principles with a vacuum effect.

Greater installation flexibility.

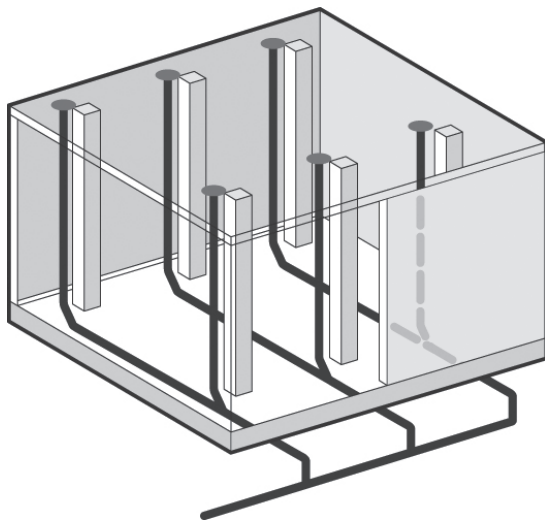
The Pluvia system is simpler because no slopes are required for horizontal pipe runs, reducing ceiling space. Smaller pipe diameters can lead to lower material cost and greater installation flexibility.

Service and support.

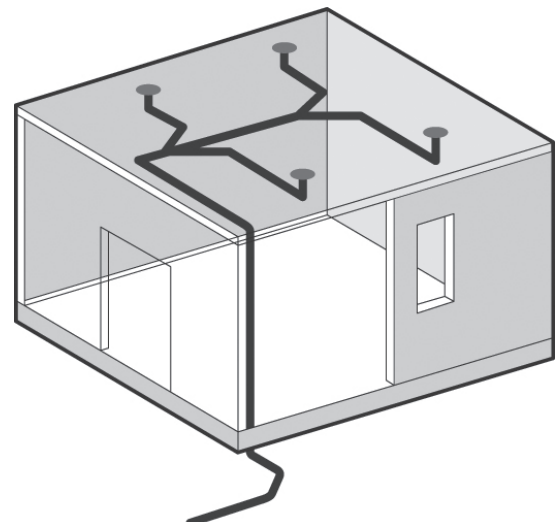
Geberit offers a comprehensive

service package for customers from training to designing and onsite technical support. Fully accredited, our staff are able to assist consultants with the design of the Pluvia roof drainage system.

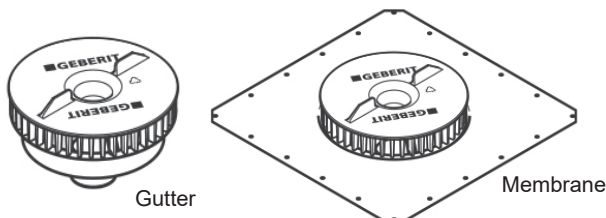
Advantages of Geberit Pluvia over conventional roof drainage systems



- Many roof outlets
- Pipe laying necessary on a slope
- Many stacks
- Complicated underground pipes
- Large pipe dimensions



- Fewer roof outlets due to the high drainage capacity per roof outlet
- Space savings
- Reduced construction effort
- Smaller pipe dimensions
- Self-cleaning of the pipes due to high flow speeds
- Architectural freedom



Roof outlets are a key component of a siphonic roof drainage system. Geberit roof outlets are available in gutter and membrane styles. Various sizes are available.

Roof outlets are not sold individually as they are supplied as part of the total siphonic system.

Each siphonic system is custom designed to suit individual buildings and roofs and the required ARI.

Siphonic roof drainage systems are quoted as a lump sum, and must be ordered as a package.

Pipework Support:

It is recommended that Geberit siphonic roof drainage systems are installed using a suspension rail system and appropriate pipe clamps. Anchor brackets (fixed points) must be provided when the pipeline changes orientation and also to control expansion and contraction.

Please enquire about pipe clamps designed to be used with the EF (anchor) tape listed below.