Infiltrator Water Technologies
Part of ADS

Infiltrator Chambers in New Jersey

The Quick4 Plus Standard, Quick4 Plus Standard Low Profile (LP), and Quick4 Standard chamber models can be installed in a bed or 36-inch wide trench. Each chamber offers advanced contouring capability for trenches. The endcap systems for the Quick4 Plus and Quick4 chamber product lines allow multi-directional piping entry or exit through several inlet points. The Quick4 Plus endcap system also allows inletting at the top of the endcap, as well as installation of the Quick4 Plus Endcap mid-line within a chamber row for center-fed beds or trenches (see page 4).

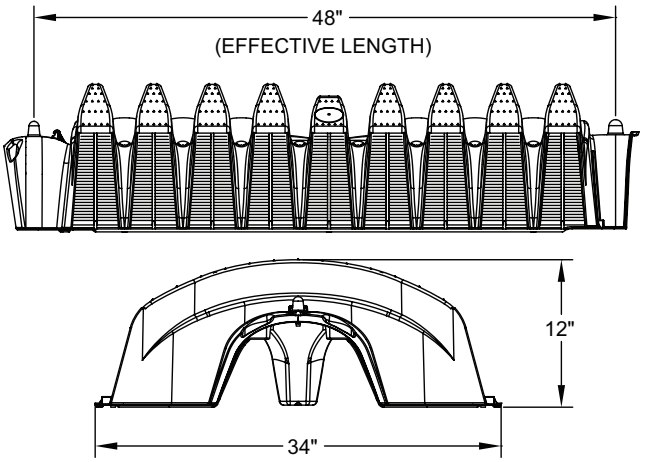
Quick4 Plus Chamber
nominal chamber specifications

Size	34”W x 53”L x 12”H
Effective Length	48”
Invert Elevation	0.6”, 3.3”, 7.3”, 9.0”



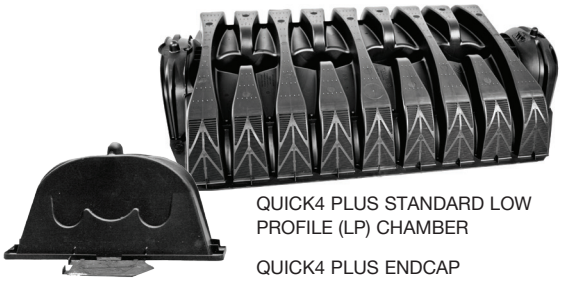
QUICK4 PLUS CHAMBER

QUICK4 PLUS ALL-IN-ONE ENDCAP



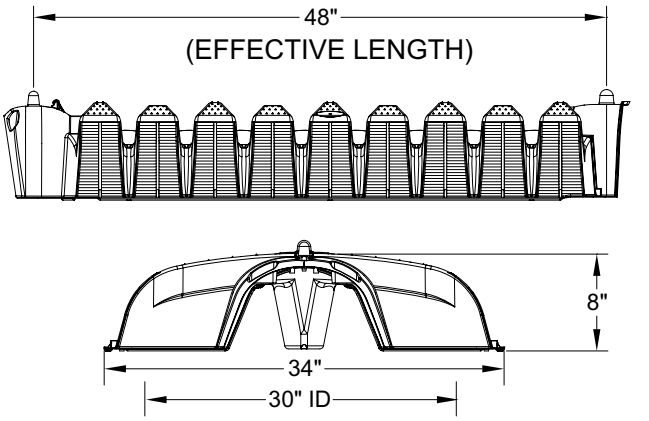
Quick4 Plus Standard Low Profile (LP) Chamber
nominal chamber specifications

Size	34”W x 53”L x 8”H
Effective Length	48”
Invert Elevation	0.6”, 3.3”, 7.3”, 9.0”



QUICK4 PLUS STANDARD LOW PROFILE (LP) CHAMBER

QUICK4 PLUS ENDCAP



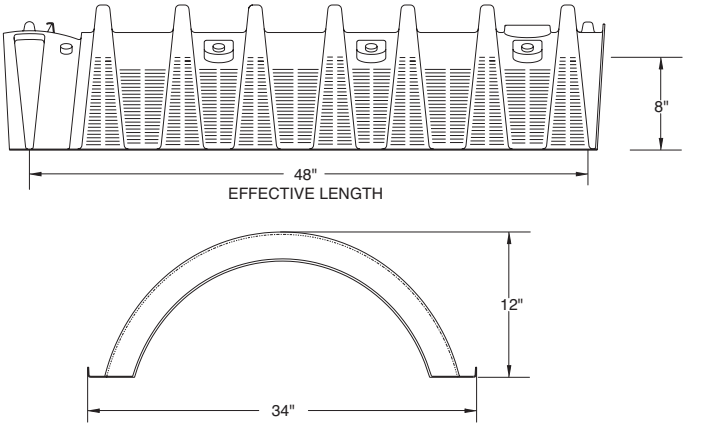
Quick4 Standard Chamber
nominal chamber specifications

Size	34”W x 53”L x 12”H
Effective Length	48”
Invert Elevation	8”



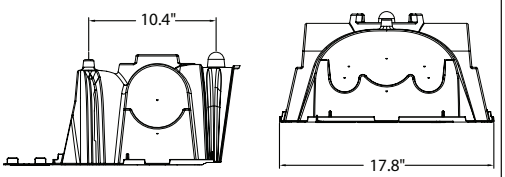
QUICK4 STANDARD CHAMBER

QUICK4 MULTIPORT ENDCAP



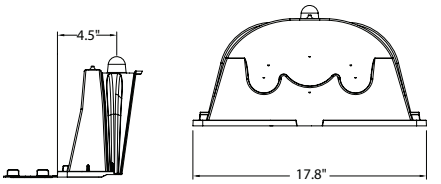
INFILTRATOR CHAMBERS IN NEW JERSEY

QUICK4 PLUS ALL-IN-ONE ENDCAP
SIDE AND END VIEWS (not to scale)



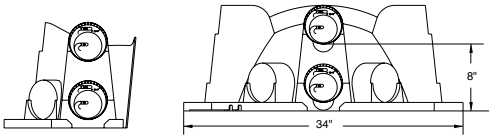
SIDE END

QUICK4 PLUS ENDCAP
SIDE AND END VIEWS (not to scale)



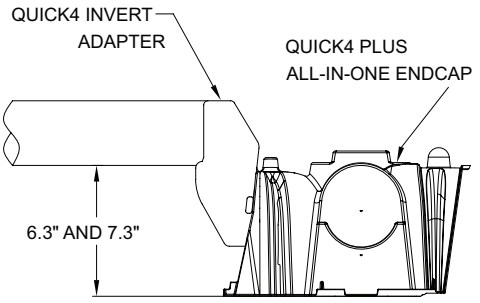
SIDE END

QUICK4 MULTIPORT ENDCAP
SIDE AND END VIEWS (not to scale)

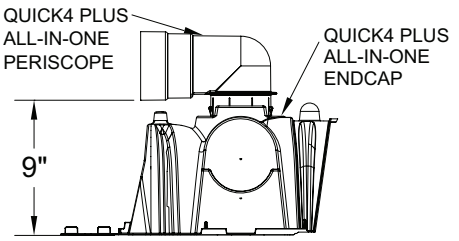


SIDE END

QUICK4 INVERT ADAPTER
SIDE VIEW (not to scale)



QUICK4 PLUS ALL-IN-ONE PERISCOPE
SIDE VIEW (not to scale)



QUICK4 PLUS ALL-IN-ONE ENDCAP INVERTS
(not to scale)

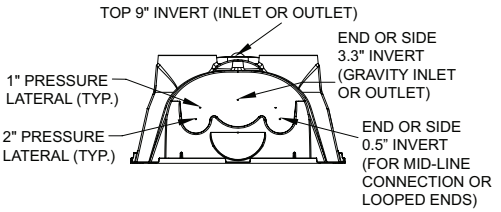


TABLE 1: MINIMUM CHAMBER BED AND TRENCH SIZING SEPTEMBER 1, 2004 TWA

System Configuration and Type	Soil Permeability Class	Permeability (in/hr)	Recharge Rate - Beds - A/Q (ft2GPD) - Trenches - L/Q (ft/GPD)	Chamber Reduction (%)	Conventional Disposal Field				Infiltrator Chamber Quick4 Plus Standard (34"W x 48"L x 12"H) Quick4 Plus Standard LP (34"W x 48"L x 8"H) Quick4 Standard (34"W x 48"L x 12"H)							
					Number of Bedrooms				Number of Bedrooms							
					2	3	4	Each Additional	2		3		4		Each Additional	
					350 GPD	500 GPD	650 GPD	150 GPD	350 GPD		500 GPD		650 GPD		150 GPD	
Bed Sizing					Area (ft^2)				Area (ft^2)	# of chambers	Area (ft^2)	# of chambers	Area (ft^2)	# of chambers	Area (ft^2)	# of chambers
Gravity	K4	6 to 20	1.61	31	563.5	805.0	1046.5	241.5	408.0	36	566.7	50	725.3	64	170.0	15
	K3	2 to 6	2.08	32	728.0	1040.0	1352.0	312.0	498.7	44	714.0	63	929.3	82	215.3	19
Pressure Dosed Conventional	K4	6 to 20	1.61	35	563.5	805.0	1046.5	241.5	408.0	36	532.7	47	691.3	61	158.7	14
	K3	2 to 6	2.08	40	728.0	1040.0	1352.0	312.0	442.0	39	634.7	56	816.0	72	192.7	17
Pressure Dosed Soil Replacement	K4	6 to 20	1.33	35	465.5	665.0	864.5	199.5	408.0	36	442.0	39	566.7	50	136.0	12
	K3	2 to 6	1.33	40	465.5	665.0	864.5	199.5	408.0	36	408.0	36	521.3	46	124.7	11
Trench Sizing					Length (ft) (36" W)				Length (ft)	# of chambers	Length (ft)	# of chambers	Length (ft)	# of chambers	Length (ft)	# of chambers
Gravity	K4	6 to 20	0.40	25	140.0	200.0	260.0	60.0	144.0	36	152.0	38	196.0	49	48.0	12
	K3	2 to 6	0.52	27	182.0	260.0	338.0	78.0	144.0	36	192.0	48	248.0	62	60.0	15
	K2	0.6 to 2	0.64	14	224.0	320.0	416.0	96.0	196.0	49	276.0	69	360.0	90	84.0	21
Pressure Dosed (All EXCEPT Bottom-Lined Soil Replacement)	K4	6 to 20	0.40	29	140.0	200.0	260.0	60.0	144.0	36	144.0	36	188.0	47	44.0	11
	K3	2 to 6	0.52	32	182.0	260.0	338.0	78.0	144.0	36	180.0	45	232.0	58	56.0	14
	K2	0.6 to 2	0.64	19	224.0	320.0	416.0	96.0	184.0	46	260.0	65	340.0	85	80.0	20
Pressure Dosed Bottom-Lined Soil Replacement	K4	6 to 20	1.33	29	155.2	221.7	288.2	66.5	144.0	36	160.0	40	208.0	52	48.0	12
	K3	2 to 6	1.33	32	155.2	221.7	288.2	66.5	144.0	36	152.0	38	196.0	49	48.0	12
	K2	0.6 to 2	1.33	19	155.2	221.7	288.2	66.5	144.0	36	180.0	45	236.0	59	56.0	14

Notes on next page 3.

Notes for Table 1:

1. The area required for 100% disposal area sizing, upon which any reduction in disposal area is based, shall be increased by 50% for any proposed system that will include the use of a garbage grinder or sewage ejector pump.

2. The Quick4 Plus and MultiPort endcap systems provide bottom area. The appropriate reduction factor can be applied on a bed or trench to account for the endcaps. The minimum number of chambers shown above can be reduced by accounting for the area/length provided by the endcaps. Endcap credits are determined using the following information:
   - Quick4 Plus All-In-One Endcap at ends of trench – 1.65 sf of area per endcap and 1.1 feet of length
   - Quick4 Plus All-In-One Endcap installed in-line within a trench – 1.29 sf of area per endcap and 0.87 feet of length
   - Quick4 Plus Endcap at end of trench – 0.56 sf of area per endcap and 0.38 feet of length
   - MultiPort endcaps at ends of trench – 3.56 sf of area per pair of endcaps and 2 feet of length

3. Minimum disposal field area is 400 sf. 4. Bottom-lined soil replacement trenches using pressure dosing are sized like pressure dosed beds per N.J.A.C. 7:9A-10.2 (d).

TABLE 2: MINIMUM CHAMBER BED AND TRENCH SIZING MAY 12, 2000 TWA

System Configuration and Type	Soil Permeability Class	Permeability (in/hr)	Recharge Rate - Beds - A/Q (ft2GPD) - Trenches - L/Q (ft/GPD)	Chamber Reduction (%)	Conventional Disposal Field				Infiltrator Chamber Quick4 Plus Standard (34"W x 48"L x 12"H) Quick4 Plus Standard LP (34"W x 48"L x 8"H) Quick4 Standard (34"W x 48"L x 12"H)							
					Number of Bedrooms				Number of Bedrooms							
					2	3	4	Each Additional	2		3		4		Each Additional	
					350 GPD	500 GPD	650 GPD	150 GPD	350 GPD		500 GPD		650 GPD		150 GPD	
Bed Sizing					Area (ft^2)				Area (ft^2)	# of chambers	Area (ft^2)	# of chambers	Area (ft^2)	# of chambers	Area (ft^2)	# of chambers
Gravity and Pressure Dosed Conventional	K4	6 to 20	1.61	3.33	563.5	805.0	1046.5	241.5	572.8	43	812.5	61	1052.8	79	253.1	19
	K3	2 to 6	2.08	3.33	728.0	1040.0	1352.0	312.0	732.6	55	1052.3	79	1358.6	102	319.7	24
	K2	0.6 to 2	2.56	3.33	896.0	1280.0	1664.0	384.0	905.8	68	1292.0	97	1665.0	125	386.3	29
	K1	0.2 to 0.6	2.94	3.33	1029.0	1470.0	1911.0	441.0	1039.0	78	1478.5	111	1918.1	144	452.9	34
Pressure Dosed Soil Replacement	Pressure Dosing w/ Select Fill		1.33	3.33	465.0	665.0	864.5	199.5	466.2	35	666.0	50	865.8	65	199.8	15
Trench Sizing					Length (ft) (36" W)				Length (ft)	# of chambers	Length (ft)	# of chambers	Length (ft)	# of chambers	Length (ft)	# of chambers
Pressure Dosed (All EXCEPT Bottom-Lined Soil Replacement)	K4	6 to 20	0.40	4.00	140.0	200.0	260.0	60.0	140.0	35	200.0	50	260.0	65	60.0	15
	K3	2 to 6	0.52	4.00	182.0	260.0	338.0	78.0	184.0	46	260.0	65	340.0	85	80.0	20
	K2	0.6 to 2	0.64	4.00	224.0	320.0	416.0	96.0	224.0	56	320.0	80	416.0	104	96.0	24
	K1	0.2 to 0.6	0.74	4.00	259.0	370.0	481.0	111.0	260.0	65	372.0	93	484.0	121	112.0	28
Pressure Dosed Bottom-Lined Soil Replacement	Pressure Dosing w/ Select Fill		1.33	3.00	155.2	221.7	288.2	66.5	156.0	39	224.0	56	292.0	73	68.0	17

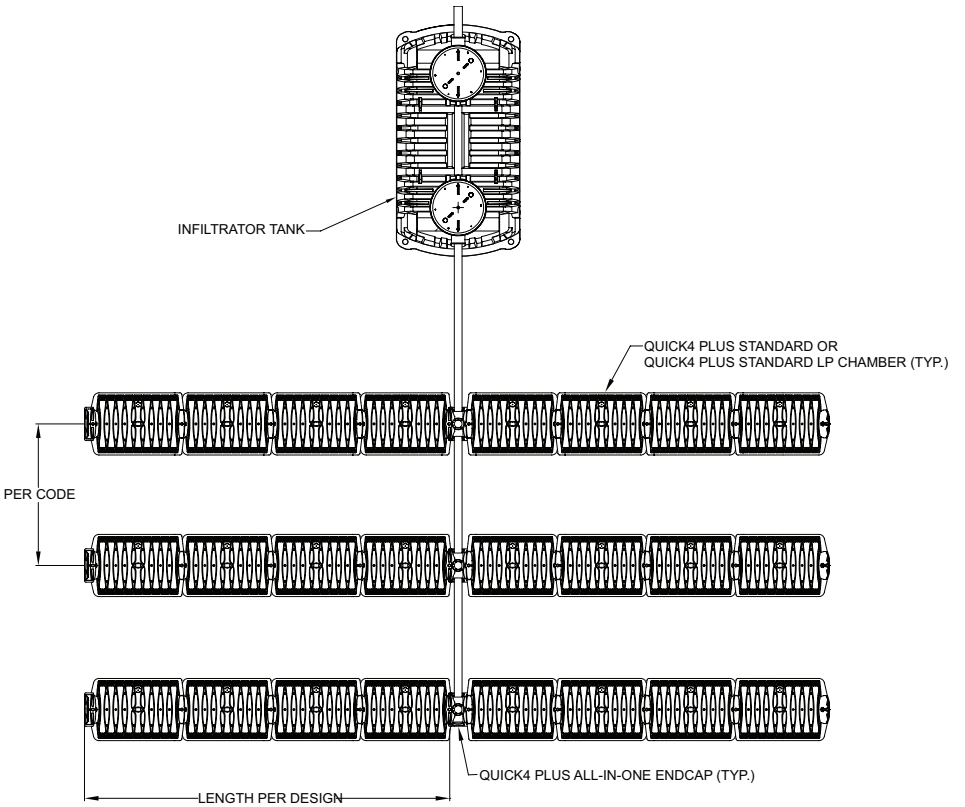
Notes:

1. The bed sizing assumes a 6-inch separation between chambers. The 6-inch separation area is included as effective area, per the May 12, 2000 NJDEP Permit to Construct and Operate Treatment Works authorization.

2. The Quick4 Plus and MultiPort endcap systems provide bottom area. The appropriate reduction factor can be applied on a bed or trench to account for the endcaps. The minimum number of chambers shown above can be reduced by accounting for the area/length provided by the endcaps. Endcap credits are determined using the following information:
   - Quick4 Plus All-In-One Endcap at ends of trench – 1.65 sf of area per endcap and 1.1 feet of length
   - Quick4 Plus All-In-One Endcap installed in-line within a trench – 1.29 sf of area per endcap and 0.87 feet of length
   - Quick4 Plus Endcap at end of trench – 0.56 sf of area per endcap and 0.38 feet of length
   - MultiPort endcaps at ends of trench – 3.56 sf of area per pair of endcaps and 2 feet of length

3. For all gravity and conventional pressure dosed beds and trenches (except for bottom-lined soil replacement trenches), disposal field sizing shall be based upon the permeability at the level of infiltration.

4. Bottom-lined soil replacement trenches using pressure dosing are sized like beds, per N.J.A.C. 7:9A-10.2 (d).



NEW JERSEY LIMITED SEPTIC WARRANTY FOR INFILTRATOR CHAMBERS

(a) The structural integrity of each chamber, end plate, wedge and other accessory manufactured by Infiltrator (collectively referred to as "Units"), when installed and operated in a leachfield of an onsite septic system in accordance with Infiltrator's installation instructions, is warranted to the original purchaser ("Holder") against defective materials and workmanship for one year from the date upon which a septic permit is issued for the septic system containing the Units. In order to exercise its warranty rights, Holder must notify Infiltrator in writing at its corporate headquarters in Old Saybrook, Connecticut within fifteen (15) days of the alleged defect. Infiltrator will supply replacement Units for those Units determined by Infiltrator to be defective and covered by this Limited Warranty. Infiltrator's liability specifically excludes the cost of removal and/or installation of the Units.

(b) THE LIMITED WARRANTY AND REMEDIES IN SUBPARAGRAPH (a) ARE EXCLUSIVE. THERE ARE NO OTHER WARRANTIES WITH RESPECT TO THE UNITS, INCLUDING NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

(c) This Limited Warranty shall be void if any part of the chamber system (chamber, end plate, wedge or other accessory) is manufactured by anyone other than Infiltrator. The Limited Warranty does not extend to incidental, consequential, special or indirect damages. Infiltrator shall not be liable for penalties or liquidated damages, including loss of production and profits, labor and materials, overhead costs, or other losses or expenses incurred by the Holder or any third party. Specifically excluded from Limited Warranty coverage are damage to the Units due to ordinary wear and tear, alteration, accident, misuse, abuse or neglect of the Units; the Units being subjected to vehicle traffic or other conditions which are not permitted by the installation instructions; failure to maintain the minimum ground covers set forth in the installation instructions; the placement of improper materials into the system containing the Units; failure of the Units or the septic system due to improper siting or improper sizing, excessive water usage, improper grease disposal, or improper operation; or any other event not caused by Infiltrator. This Limited Warranty shall be void if the Holder fails to comply with all of the terms set forth in this Limited Warranty.

Further, in no event shall Infiltrator be responsible for any loss or damage to the Holder, the Units, or any third party resulting from installation or shipment, or from any product liability claims of Holder or any third party. For this Limited Warranty to apply, the Units must be installed in accordance with all site conditions required by state and local codes; all other applicable laws; and Infiltrator's installation instructions.

(d) No representative of Infiltrator has the authority to change this Limited Warranty in any manner whatsoever, or to extend this Limited Warranty. No warranty applies to any party other than the original Holder.

The above represents the standard Limited Warranty offered by Infiltrator. A limited number of states and counties have different warranty requirements. Any purchaser of Units should contact Infiltrator's corporate headquarters in Old Saybrook, Connecticut, prior to such purchase, to obtain a copy of the applicable warranty, and should carefully read that warranty prior to the purchase of Units.

Infiltrator™
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U.S. Patents: 4,759,661; 5,017,041; 5,156,488; 5,336,017; 5,401,116; 5,401,459; 5,511,903; 5,716,163; 5,588,778; 5,839,844 Canadian Patents: 1,329,959; 2,004,564 Other patents pending. Infiltrator, Equalizer, Quick4, and SideWinder are registered trademarks of Infiltrator Water Technologies. Infiltrator is a registered trademark in France. Infiltrator Water Technologies is a registered trademark in Mexico. Contour, MicroLeaching, PolyTuff, ChamberSpacer, MultiPort, PosiLock, QuickCut, QuickPlay, SnapLock and StraightLock are trademarks of Infiltrator Water Technologies.
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