

SEPTIC & STORMWATER CHAMBERS

CULTEC Contactor® Chamber Specification Information

Available in Standard Duty or Heavy Duty

Heavy Duty Models are designated by adding "HD" after the model number.

For example, Contactor 125HD.

		Contactor® Field Drain™ Model C-4	Contactor® Model EZ-24	Contactor® Model 100	Contactor® Model 100HD	Contactor® Model 125
Length	<i>feet</i>	8.50	8.50	8.00	8.00	7.50
	<i>meters</i>	2.59	2.59	2.44	2.44	2.29

Installed Length	feet	8.00	8.00	7.40	7.50	6.25
	meters	2.44	2.44	2.29	2.29	1.91
Length Adjustment	feet	0.50	0.50	0.60	0.50	1.25
	meters	0.15	0.15	0.15	0.15	0.381
Width	Inches	48	16	36	36	30
	mm	1219	406	914	914	762
Height	Inches	8.5	12	12.5	12.5	18
	mm	216	305	318	318	457
Storage Capacity of Model R	gallons	107.57	52.06	117.30	111.61	124.55
	liters	407.20	197.10	422.41	422.50	471.50
Storage Capacity	ft ³ /ft	1.692	0.819	1.961	1.866	2.220
	m ³ /m	0.157	0.076	0.170	0.173	0.206
Chamber Storage Capacity	ft ³ /unit	13.53	6.55	14.51	13.99	13.87
	m ³ /unit	0.38	0.19	0.40	0.40	0.39
Min. Storage Capacity [1]	ft ³ /unit	29.99	14.06	28.85	28.81	29.16
	m ³ /unit	0.85	0.40	0.82	0.82	0.83
Max. Inlet Opening [2]	Inches	4.5	6	10	10	12
	mm	100	150	250	250	300

CULTEC Recharger® Chamber Specification Information

Recharger 150 and Recharger V8 are only available in Heavy Duty.
 Recharger 180, 280 & 330 are available in Standard Duty or Heavy Duty
 Heavy Duty Models are designated by adding "HD" after the model number.
 For example, Recharger 180HD.

		Recharger® Model 150	Recharger® Model 180	Recharger® Model 280	Recharger® Model 330	Recharger® Model V8 I
Length	feet	8.50	7.33	8.00	7.50	8.00
	meters	2.59	2.23	2.44	2.29	2.44
Installed Length	feet	7.50	6.33	7.00	6.25	7.50
	meters	2.29	1.93	2.13	1.90	2.29
Length Adjustment	feet	1.00	1.00	1.00	1.25	0.50
	meters	0.30	0.30	0.30	0.38	0.15
Width	inches	33	36	47	52	54
	mm	838	914	1194	1321	1372
Height	Inches	18.50	20.50	26.50	30.50	34
	mm	470	521	673	775	864
Storage Capacity of Model R	gallons	168.50	188.90	363.81	418.50	N/A
	liters	637.80	715.10	1377.21	154.21	N/A
Storage Capacity	ft ³ /ft	2.650	3.445	6.079	7.459	8.933
	m ³ /m	0.250	0.320	0.560	0.690	0.830
Chamber Storage Capacity	ft ³ /unit	19.87	21.80	42.55	46.61	66.99
	m ³ /unit	0.56	0.62	1.20	1.32	1.90
Min. Storage Capacity [3]	ft ³ /unit	36.71	35.37	64.46	70.77	97.72
	m ³ /unit	1.04	1.00	1.83	2.00	2.77
Max. Inlet Opening [4]	Inches	12	15	18	24	24
	mm	300	375	450	600	600

Water Quality Structures

CULTEC STORMFILTER® Stormwater Filter Chamber Specification Information

		Stormfilter® Model 400	Stormfilter® Model T-80
Length	feet	7.50	3.50
	meters	2.286	1.067
Width	Inches	52	31
	mm	1321	787
Height	Inches	38	26.5
	mm	965	673
Access Opening	Inches	22.5 dia.	16.5 dia.
	mm	572 dia.	420 dia.
Capacity	gallons	425	
	liters	1609	
Solid removal		70-85%	
Treatment capability		2940 gpm	
CFS		2.3 continuous filtration capacity 6.5 maximum surge capacity	
Max. Inlet Opening	Inches	Fully filtered = 8, Overflow capability = 24	
	mm	Fully filtered = 200, Overflow capability = 600	

GEOTEXTILE

CULTEC No. 410™ Non-Woven 4 oz. Filter Fabric Specification Information

Substitutions must meet or exceed these minimums.

	Test Method	Test Results
Grab Tensile Strength	ASTM-D-4632	90 lbs.
Grab Tensile Elongation	ASTM-D-4632	50%
Mullen Burst	ASTM-D-3786	225 psi
Puncture	ASTM-D-4833	65 lbs.
Trapezoid Tear	ASTM-D-4533	45 lbs.
UV Resistance	ASTM-D-4355	70%
Apparent Opening Size	ASTM-D-4751	70 US Sieve
Permittivity	ASTM-D-4491	2.5 Sec. -1
Flow Rate	ASTM-D-4491	175 gpm/ft ²

HVLV HEADER SYSTEM & ACCESSORIES

CULTEC HVLV™ 180 Header System Specification Information

Available in Heavy Duty only.

		HVLV™ 180 BT Blind Tee	HVLV™ 180 SC Straight Connector
Length	feet	5.63	5.02
	meters	1.7	1.53

Installed Length	feet	Used with Recharger 180 = 5.250 Used with Recharger 280 = 4.333 Used with Recharger 330 = 4.833	
	meters	Used with Recharger 180 = 1.6 Used with Recharger 280 = 1.3 Used with Recharger 330 = 1.5	
Width	inches	36	
	mm	914	
Height	inches	20.5	
	mm	521	
Storage Capacity	ft ³ / ft	3.445	
	m ³ /m	0.32	
Min. Storage Capacity Surrounded in Stone when used with Recharger® 180 [5]	ft ³ / ft	5.59	
	m ³ /m	0.52	
Min. Storage Capacity Surrounded in Stone when used with Recharger® 280 [6]	ft ³ / ft	7.63	
	m ³ /m	0.71	
Min. Storage Capacity Surrounded in Stone when used with Recharger® 330 [7]	ft ³ / ft	8.91	
	m ³ /m	0.83	
Max. Inlet Opening [8]	inches	15	N/A
	mm	375	
Sidewall portal dimensions to accept HVLV™ F-24 Feed Connector [9]	inches	12 x 16	
	mm	305 x 406	

2' (0.61 m) section = Model HVLV™ F-24x2 Feed Connector (used w/ Recharger® 180, not exposed)

4' (1.22 m) section = Model HVLV™ F-24x4 Feed Connector (used with Recharger® 280 or 330, 2' (0.61 m) exposed)

8' (2.44 m) section = Model HVLV™ F-24x8 Feed Connector (uncut unit, can be overlapped to extend long lengths. Effective installed length of multiple units = 8.0' (2.44 m))

		HVLV™ F-24x2 Feed Connector	HVLV™ F-24x4 Feed Connector	HVLV™ F-24x8 Feed Connector
Length	inches	22.15	44.25	96
	mm	563	1124	2438
Width	inches	16		
	mm	406		
Height	inches	12.5		
	mm	318		
Storage Capacity	ft ³ / ft	0.819		
	m ³ /m	0.08		

CULTEC HVLV™ V8 Header System Specification Information

Available in Heavy Duty only.

		HVLV™ Model V8R Stand Alone Unit	HVLV™ Model V8S Starter	HVLV™ Model V8I Intermediate	HVLV™ Model V8E End
Length	inches	61	55	40	55
	mm	1550	1397	1016	1397
Width	Inches	54			
	mm	1372			
Height	inches	34			
		864			

	<i>mm</i>		
Storage Capacity	<i>ft³ / ft</i>		8.933
	<i>m³/m</i>		0.83
Min. Storage Capacity Surrounded in Stone when used with Recharger® V8 I Intermediate [10]	<i>ft³ / ft</i>		13.03
	<i>m³/m</i>		1.21
Max. Inlet Opening [11]	<i>inches</i>		24
	<i>mm</i>		600
Sidewall connector dimensions to accept HVLV™ F-110™ Feed [12] Connector	<i>inches</i>	18 x 21	Max. pipe opening = 12
	<i>mm</i>	457 x 533	Max. pipe opening = 300

		HVLV™ F-110x2 Feed Connector	HVLV™ F-110x4 Feed Connector
Length	<i>inches</i>	18.5	39
	<i>mm</i>	478	991
Width	<i>inches</i>	27.5	
	<i>mm</i>	699	
Height	<i>inches</i>	18	
	<i>mm</i>	457	
Storage Capacity	<i>ft³ / ft</i>	1.968	
	<i>m³/m</i>	0.18	

[\[1\]](#) Based on installed length. Stone void is calculated at 40%. Includes 6" stone base, 6" above chamber crown and stone around units based on typical minimum center to center spacing.

[\[2\]](#) Based on HDPE pipe.

[\[3\]](#) Based on installed length. Stone void is calculated at 40%. Includes 6" stone base, 6" above chamber crown and stone around units based on typical minimum center to center spacing.

[\[4\]](#) Based on HDPE pipe.

[\[5\]](#) Based on installed length. Stone void is calculated at 40%. Includes 6" stone base, 6" above chamber and stone around units based on min. center to center spacing.

[\[6\]](#) Based on installed length. Stone void is calculated at 40%. Includes 6" stone base, 6" above chamber and stone around units based on min. center to center spacing.

[\[7\]](#) Based on installed length. Stone void is calculated at 40%. Includes 6" stone base, 6" above chamber and stone around units based on min. center to center spacing.

[\[8\]](#) Based on HDPE pipe.

[\[9\]](#) Sizing when trimmed on site.

[\[10\]](#) Based on installed length. Stone void is calculated at 40%. Includes 6" stone base, 6" above chamber and stone around units based on min. center to center spacing.

[\[11\]](#) Based on HDPE pipe.

[\[12\]](#) Sizing when trimmed on site.