

TYPE A DISPERSAL BED

DEMAND-DOSE CONFIGURATION

With maximum hydraulic load of 308 L/m² per day

Ecoflo Model	Daily Flow	T < 15 min/cm		T > 15 min/cm			
		Stone Area	Sand Area	Stone Area	Sand		
					Area	Min. Width	Min. Distance from Ecoflo
POLYETHYLENE							
ST/STB-570P/PR	1,755 L/d	23 m ²	23 m ² or 1.88 × T	23 m ²	98 m ² or 4.4 × T	5 m	15 m
ST/STB-730P/PR	2,250 L/d	30 m ²	30 m ² or 2.65 × T	30 m ²	142 m ² or 5.6 × T	7.5 m	15 m
CONCRETE							
STB-650B/BR	2,000 L/d	27 m ²	27 m ² or 2.35 × T	27 m ²	124 m ² or 5 × T	6.5 m	15 m
STB-840B/BR	2,600 L/d	35 m ²	31 m ² or 3.06 × T	35 m ²	148 m ² or 6.5 × T	7.5 m	15 m
FIBREGLASS							
ST-500	1,600 L/d	21 m ²	21 m ² or 1.88 × T	21 m ²	89 m ² or 4 × T	4.5 m	15 m
ST-650	2,000 L/d	27 m ²	27 m ² or 2.35 × T	27 m ²	124 m ² or 5 × T	6.5 m	15 m
ST-750	2,310 L/d	31 m ²	31 m ² or 2.72 × T	31 m ²	143 m ² or 5.8 × T	7.5 m	15 m

TIME-DOSE CONFIGURATION

With maximum hydraulic load of 385 L/m² per day

Ecoflo Model	Daily Flow	T < 15 min/cm		T > 15 min/cm			
		Stone Area	Sand Area	Stone Area	Sand		
					Area	Min. Width	Min. Distance from Ecoflo
POLYETHYLENE							
ST/STB-570P/PR	2,200 L/d	29 m ²	29 m ² or 2.59 × T	29 m ²	112 m ² or 5.5 × T	5.5 m	15 m
ST/STB-730P/PR	2,810 L/d	37 m ²	37 m ² or 3.31 × T	37 m ²	150 m ² or 7 × T	7.5 m	15 m
CONCRETE							
STB-650B/BR	2,500 L/d	33 m ²	33 m ² or 2.94 × T	33 m ²	131 m ² or 6.3 × T	6.5 m	15 m
STB-840B/BR	3,250 L/d	44 m ²	44 m ² or 3.82 × T	44 m ²	157 m ² or 8.2 × T	7.5 m	15 m
FIBREGLASS							
ST-500	2,000 L/d	27 m ²	27 m ² or 2.35 × T	27 m ²	102 m ² or 5 × T	5 m	15 m
ST-650	2,500 L/d	33 m ²	33 m ² or 2.94 × T	33 m ²	131 m ² or 6.3 × T	6.5 m	15 m
ST-750	2,890 L/d	39 m ²	39 m ² or 3.4 × T	39 m ²	151 m ² or 7.2 × T	7.5 m	15 m

SOIL DEPTH UNDER CRUSHED STONE

Percolation Time	Vertical Separation
T < 1 min/cm	600 mm*
T > 50 min/cm	600 mm*
1 < T < 50 min/cm	300 mm†

* As per the Ontario Building Code.

† Premier Tech recommendation.

MAXIMUM PUMPING DISTANCES

	Maximum Length Ø 25 mm (1") Pipe				
	7.5 m (25')	18 m (60')	21 m (70')	24 m (80')	27 m (90')
Water head	7.5 m (25')	6 m (20')	4.5 m (15')	3 m (10')	1.5 m (5')