

StormTech MC-4500 Specifications

Storage Volume Per Chamber

| | Bare Chamber Storage ft ³ (m ³) | Chamber and Stone Foundation Depth in. (mm) | | | |
|---------|---|---|----------------|----------------|----------------|
| | | 9 in (230 mm) | 12 in (300 mm) | 15 in (375 mm) | 18 in (450 mm) |
| Chamber | 106.5 (3.01) | 162.6 (4.60) | 166.3 (4.71) | 169.9 (4.81) | 173.6 (4.91) |
| End Cap | 39.5 (1.12) | 115.3 (3.26) | 118.6 (3.36) | 121.9 (3.45) | 125.2 (3.54) |

Note: Assumes 9" (230 mm) row spacing, 40% stone porosity, 12" (300 mm) stone above and includes the bare chamber/end cap volume. End cap volume assumes 12" (300 mm) stone perimeter in front of end cap.

Amount of Stone Per Chamber

| English Tons (yds ³) | Stone Foundation Depth | | | |
|-------------------------------------|------------------------|------------|------------|-------------|
| | 9 in | 12 in | 15 in | 18 in |
| Chamber | 7.4 (5.2) | 7.8 (5.5) | 8.3 (5.9) | 8.8 (6.2) |
| End Cap | 9.8 (7.0) | 10.2 (7.3) | 10.6 (7.6) | 11.1 (7.9) |
| Metric Kilograms (m ³) | 230 mm | 300 mm | 375 mm | 450 mm |
| Chamber | 6713 (4.0) | 7076 (4.2) | 7529 (4.5) | 7983 (4.7) |
| End Cap | 8890 (5.3) | 9253 (5.5) | 9616 (5.8) | 10069 (6.0) |

Note: 12" (300 mm) of stone above and 9" (230 mm) row spacing and 12" (300 mm) of perimeter stone in front of end caps.

Volume Excavation Per Chamber yd³ (m³)

| | Stone Foundation Depth | | | |
|---------|------------------------|----------------|---------------|----------------|
| | 9 in (230 mm) | 12 in (300 mm) | 15 in (375mm) | 18 in (450 mm) |
| Chamber | 10.5 (8.0) | 10.8 (8.3) | 11.2 (8.5) | 11.5 (8.8) |
| End Cap | 9.7 (7.4) | 10.0 (7.6) | 10.3 (7.9) | 10.6 (8.1) |

Note: Assumes 9" (230 mm) of separation between chamber rows, 12" (300 mm) of perimeter in front of the end caps, and 24" (600 mm) of cover. The volume of excavation will vary as depth of cover increases.

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