



# Crumpler Plastic Pipe, Inc.

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## GALLONS HELD \*\* CPP Smooth-Core Pipes- 20ft long

Volume expressed in gallons per cubic foot  
There are 7.48 gal per ft<sup>3</sup>

$$V = \pi r^2 h$$

4" (100mm): $V = 3.14 (0.166')^2 20$ $V = 1.74446 \times 7.48$ $V = 13.048$ gal per 20' section or $V = .6524$ gal per ft	18" (450mm): $V = 3.14 (0.75')^2 20$ $V = 35.325 \times 7.48$ $V = 264.231$ gal per 20' section or $V = 13.21155$ gal per ft
6" (150mm): $V = 3.14 (0.250')^2 20$ $V = 3.925 \times 7.48$ $V = 29.359$ gal per 20' section or $V = 1.46795$ gal per ft	24" (600mm): $V = 3.14 (1.00')^2 20$ $V = 62.80 \times 7.48$ $V = 469.744$ gal per 20' section or $V = 23.4872$ gal per ft
8" (200mm): $V = 3.14 (0.333')^2 20$ $V = 6.9638292 \times 7.48$ $V = 52.089$ gal per 20' section or $V = 2.60445$ gal per ft	30" (750mm): $V = 3.14 (1.25')^2 20$ $V = 98.125 \times 7.48$ $V = 733.975$ gal per 20' section or $V = 36.69875$ gal per ft
10" (250mm): $V = 3.14 (0.4166')^2 20$ $V = 10.899289168 \times 7.48$ $V = 81.527$ gal per 20' section or $V = 4.07635$ gal per f	36" (900mm): $V = 3.14 (1.50')^2 20$ $V = 141.30 \times 7.48$ $V = 1056.920$ gal per 20' section or $V = 52.846$ gal per ft
12" (300mm): $V = 3.14 (0.5')^2 20$ $V = 15.7 \times 7.48$ $V = 117.436$ gal per 20' section or $V = 5.8718$ gal per ft	42" (1050mm): $V = 3.14 (1.75')^2 20$ $V = 192.325 \times 7.48$ $V = 1,438.59$ gal per 20' section or $V = 71.9295$ gal per ft
15" (375mm): $V = 3.14 (0.625')^2 20$ $V = 24.53125 \times 7.48$ $V = 183.494$ gal per 20' section or $V = 9.1747$ gal per ft	48" (1200mm): $V = 3.14 (2.0')^2 20$ $V = 251.2 \times 7.48$ $V = 1,878.98$ gal per 20' section or $V = 93.949$ gal per ft

\*\*Zero Slope\*\*



FOOTNOTE ON GALLONS -- 60"(1500 mm)  
For Fabricated Fittings

60" (1500 mm):  $V = 3.14 (2.5)^2 20$   
 $V = 392.5 \times 7.48$   
 $V = 2,935.9$  gal per 20 ft section  
 $V = 146.795$  gal per ft