

**Weights and Measures**  
**Contents in Cubic Feet and U.S. Gallons of Pipes and Cylinders**  
**One Foot in Length**

Diam. In Inches	For 1 Foot in Length		Diam. In Inches	For 1 Foot in Length		Diam. In Inches	For 1 Foot in Length	
	Cubic Feet	U.S. Gallons		Cubic Feet	U.S. Gallons		Cubic Feet	U.S. Gallons
<b>1/4</b>	0.0003	0.0025	<b>6 3/4</b>	0.2485	1.859	<b>19</b>	1.969	14.73
<b>5/16</b>	0.0005	0.0040	<b>7</b>	0.2673	1.999	<b>19½</b>	2.074	15.51
<b>—</b>	0.0008	0.0057	<b>7¼</b>	0.2867	2.145	<b>20</b>	2.182	16.32
<b>7/16</b>	0.0010	0.0078	<b>7½</b>	0.3068	2.295	<b>20½</b>	2.292	17.15
<b>½</b>	0.0014	0.0102	<b>7¾</b>	0.3276	2.450	<b>21</b>	2.405	17.99
<b>9/16</b>	0.0017	0.0129	<b>8</b>	0.3491	2.611	<b>21½</b>	2.521	18.86
<b>—</b>	0.0021	0.0159	<b>8¼</b>	0.3712	2.777	<b>22</b>	2.640	19.75
<b>11/16</b>	0.0026	0.0193	<b>8½</b>	0.3941	2.948	<b>22½</b>	2.761	20.66
<b>¾</b>	0.0031	0.0230	<b>8¾</b>	0.4176	3.125	<b>23</b>	2.885	21.58
<b>13/16</b>	0.0036	0.0269	<b>9</b>	0.4418	3.305	<b>23½</b>	3.012	22.53
<b>—</b>	0.0042	0.0312	<b>9¼</b>	0.4667	3.491	<b>24</b>	3.142	23.50
<b>15/16</b>	0.0048	0.0359	<b>9½</b>	0.4922	3.682	<b>25</b>	3.409	25.50
<b>1</b>	0.0055	0.0408	<b>9¾</b>	0.5185	3.879	<b>26</b>	3.687	27.58
<b>1¼</b>	0.0085	0.0638	<b>10</b>	0.5454	4.080	<b>27</b>	3.976	29.74
<b>1½</b>	0.0123	0.0918	<b>10¼</b>	0.5730	4.286	<b>28</b>	4.276	31.99
<b>1¾</b>	0.0167	0.1249	<b>10½</b>	0.6013	4.498	<b>29</b>	4.587	34.31
<b>2</b>	0.0218	0.1632	<b>10¾</b>	0.6303	4.715	<b>30</b>	4.909	36.72
<b>2¼</b>	0.0276	0.2066	<b>11</b>	0.6600	4.937	<b>31</b>	5.241	39.21
<b>2½</b>	0.0341	0.2550	<b>11¼</b>	0.6903	5.164	<b>32</b>	5.585	41.78
<b>2¾</b>	0.0412	0.3085	<b>11½</b>	0.7213	5.396	<b>33</b>	5.940	44.43
<b>3</b>	0.0491	0.3672	<b>11¾</b>	0.7530	5.633	<b>34</b>	6.305	47.16
<b>3¼</b>	0.0576	0.4309	<b>12</b>	0.7854	5.875	<b>35</b>	6.681	49.98
<b>3½</b>	0.0668	0.4998	<b>12½</b>	0.8522	6.375	<b>36</b>	7.069	52.88
<b>3¾</b>	0.0767	0.5738	<b>13</b>	0.9218	6.895	<b>37</b>	7.467	55.86
<b>4</b>	0.0873	0.6528	<b>13½</b>	0.9940	7.436	<b>38</b>	7.876	58.92

<b>4¼</b>	0.0985	0.7369	<b>14</b>	1.069	7.997	<b>39</b>	8.296	62.06
<b>4½</b>	0.1104	0.8263	<b>14½</b>	1.147	8.578	<b>40</b>	8.727	65.28
<b>4¾</b>	0.1231	0.9206	<b>15</b>	1.227	9.180	<b>41</b>	9.168	68.58
<b>5</b>	0.1364	1.020	<b>15½</b>	1.310	9.801	<b>42</b>	9.621	71.97
<b>5¼</b>	0.1503	1.125	<b>16</b>	1.396	10.44	<b>43</b>	10.085	75.44
<b>5½</b>	0.1650	1.234	<b>16½</b>	1.485	11.11	<b>44</b>	10.559	78.99
<b>5¾</b>	0.1803	1.349	<b>17</b>	1.576	11.79	<b>45</b>	11.045	82.62
<b>6</b>	0.1963	1.469	<b>17½</b>	1.670	12.49	<b>46</b>	11.41	86.33
<b>6¼</b>	0.2131	1.594	<b>18</b>	1.767	13.22	<b>47</b>	12.048	90.13
<b>6½</b>	0.2304	1.724	<b>18½</b>	1.867	13.96	<b>48</b>	12.566	94.00

One cubic foot of water at 39.1°F, 62.4245 pounds.

One cubic foot of air at 32°F., atmospheric pressure, weighs 0.08073 pound.

One pound of water at 39.1°F. has a volume of 0.01602 cubic foot.

One pound of air at 32°F., atmospheric pressure, has a volume of 12.387 cubic feet.

One gallon of water at 62°F weighs 8.336 pounds

One pound of water at 62°F has a volume of 0.1199 U.S. gallon.