

## Buildup Caps

### Acrylic (Density 1.185 g/cm<sup>3</sup>)

#### Farmer – with acrylic <sup>60</sup>Co buildup cap (PTW 16.4 mm O.D.)

Nom. energy	Nom. d <sub>max</sub>	Wall thickness	Model
4 MV	1.1 cm	4.2 mm	660-004
6 MV	1.5 cm	7.6 mm	660-006
8 MV	2.0 cm	11.8 mm	660-008
10 MV	2.4 cm	15.2 mm	660-010
15 MV	2.7 cm	17.7 mm	660-015
18 MV	3.0 cm	20.3 mm	660-018
20 MV	3.5 cm	24.5 mm	660-020
24 MV	4.0 cm	28.7 mm	660-024

#### Farmer – without <sup>60</sup>Co buildup cap (0.6 cc PTW, NE, Capintec, Wellhofer)

4 MV	1.1 cm	9.3 mm	661-404
6 MV	1.5 cm	12.7 mm	661-406
8 MV	2.0 cm	16.9 mm	661-408
10 MV	2.4 cm	20.3 mm	661-410
15 MV	2.7 cm	22.8 mm	661-415
18 MV	3.0 cm	25.3 mm	661-418
20 MV	3.5 cm	29.5 mm	661-420
24 MV	4.0 cm	33.8 mm	661-424

<b>PTW 0.1 cc</b>	23323
<b>PTW 0.125 cc</b>	31002, 31005, 31008, 31010, 31011, 233642, 233643
<b>PTW 0.3 cc</b>	31003, 31013, 233641

4 MV	1.1 cm	8.5 mm	662-004
6 MV	1.5 cm	11.9 mm	662-006
8 MV	2.0 cm	16.1 mm	662-008
10 MV	2.4 cm	19.5 mm	662-010
15 MV	2.7 cm	22.0 mm	662-015
18 MV	3.0 cm	24.6 mm	662-018
20 MV	3.5 cm	28.8 mm	662-020
24 MV	4.0 cm	33.0 mm	662-024

### Notes

- The total buildup should be calculated using the above wall thicknesses and the thimble thickness with the appropriate density.
- It is believed that suitable data can be obtained as long as the total buildup is within a few percent of d<sub>max</sub>.
- Nominal d<sub>max</sub> values shown here are for photon energies.



<b>Farmer – without <sup>60</sup>Co buildup cap</b> (0.6 cc, PTW, NE Capintec, Wellhofer)	<b>PTW 0.1 cc</b>	23323
	<b>PTW 0.125 cc</b>	31002, 31005, 31008, 31010, 233642, 233643
	<b>PTW 0.3 cc</b>	31003, 31013, 233641

Nom. Energy	Nom. d <sub>max</sub>	Wall thickness	Model	Nom. d <sub>max</sub>	Wall thickness	Model
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### Aluminum (Density 2.718 g/cm<sup>3</sup>)

4 MV	1.1 cm	4.0 mm	661-104			
6 MV	1.5 cm	5.5 mm	661-106	1.5 cm	5.2 mm	662-106
8 MV	2.0 cm	7.4 mm	661-108			
10 MV	2.4 cm	8.8 mm	661-110	2.4 cm	8.5 mm	662-110
15 MV	2.7 cm	9.9 mm	661-115			
18 MV	3.0 cm	11.0 mm	661-118	3.0 cm	10.7 mm	662-118
20 MV	3.5 cm	12.9 mm	661-120			
24 MV	4.0 cm	14.7 mm	661-124	4.0 cm	14.4 mm	662-124

### Brass (Density 8.515 g/cm<sup>3</sup>)

4 MV	1.1 cm	1.3 mm	661-204			
6 MV	1.5 cm	1.8 mm	661-206	1.5 cm	1.6 mm	662-206
10 MV	2.4 cm	2.8 mm	661-210	2.4 cm	2.7 mm	662-210
15 MV	2.7 cm	3.2 mm	661-215	2.7 cm	3.1 mm	662-215
18 MV	3.0 cm	3.5 mm	661-218	3.0 cm	3.4 mm	662-218
20 MV	3.5 cm	4.1 mm	661-220	3.5 cm	4.0 mm	662-220
24 MV	4.0 cm	4.7 mm	661-224			

### Lead (Density 11.35 g/cm<sup>3</sup>)

6 MV	1.5 cm	1.3 mm	661-306	1.5 cm	1.2 mm	662-306
18 MV	3.0 cm	2.6 mm	661-318	3.0 cm	2.6 mm	662-318
20 MV	3.5 cm	3.1 mm	661-320	3.5 cm	3.0 mm	662-320
24 MV	4.0 cm	3.5 mm	661-324			