

### Prestige Solar Thermal Pack Sizing Guide Domestic hot water

Property size / household occupants	Solar Collector orientation	Vacuum Tube Collector CPC (INOX or OEM)	Flat Plate Collector FK series	Solar Cylinder Size
1 Bedroom apartment, 1-2 occupants with 1 bathroom	SE to SW	1 x CPC 12 or 2 x CPC 6 (2m <sup>2</sup> aperture area)	1 x FK 250 (1.88m <sup>2</sup> aperture area)	180 litre
1 - 2 Bedroom apartment, 1-3 occupants with 1 bathroom	SE to SW	1 x CPC 12 or 2 x CPC 6 (2m <sup>2</sup> aperture area)	1 x FK 500 (2.35m <sup>2</sup> aperture area)	210 litre
2 - 3 Bedroom House, 3-4 occupants with 1 bathroom & 1 en-suite	SE to SW	1 x CPC 18 or 3 x CPC 6 (3m <sup>2</sup> aperture area)	2 x FK 250 (3.76m <sup>2</sup> aperture area)	250 litre
2 - 3 Bedroom House, 3-4 occupants with 1 bathroom & 2 en-suite	SE to SW	1 x CPC 18 or 3 x CPC 6 (3m <sup>2</sup> aperture area)	2 x FK 250 (3.76m <sup>2</sup> aperture area)	250 litre
4 - 5 Bedroom House, 4-5 occupants with 1 bathroom & 2 en-suite	SE to SW	2 x CPC 12 or 4 x CPC 6 (4m <sup>2</sup> aperture area)	2 x FK 500 (4.70m <sup>2</sup> aperture area)	300- 400 litre
4 - 5 Bedroom House, 4-6 occupants with 2 bathroom & up to 2 en-suite	SE to SW	2 x CPC 12 or 4 x CPC 6 (4m <sup>2</sup> aperture area)	3 x FK 250 (5.64m <sup>2</sup> aperture area)	400 litre
Property size / household occupants	Solar Collector orientation	Vacuum Tube Collector CPC (INOX or OEM)	Flat Plate Collector FK series	Solar Cylinder Size
1 Bedroom apartment, 1-2 occupants with 1 bathroom	East / West System	2 x CPC 6 (2m <sup>2</sup> aperture area) 1 x collector on each elevation	1 x FK 500 (2.35m <sup>2</sup> aperture area) 1 x collector on west elevation	180 litre
1 - 2 Bedroom apartment, 1-3 occupants with 1 bathroom	East / West System	2 x CPC 6 (2m <sup>2</sup> aperture area) 1 x collector on each elevation	1 x FK 500 (2.35m <sup>2</sup> aperture area) 1 x collector on west elevation	210 litre
3 - 4 Bedroom House, 3-4 occupants with 1 bathroom & up to 2 en-suite	East / West System	2 x CPC 12 or 4 x CPC 6 (4m <sup>2</sup> aperture area) 1 x CPC 12 or 2 CPC 6 on each elevation	2 x FK 500 (4.70m <sup>2</sup> aperture area) 1 x collector on each elevation	300- 400 litre

The above examples are only a guideline and further solar thermal pack / sizing combinations can be requested, please consult your sales representative.

Domestic heating compliance guide states the solar cylinder dedicated solar volume should be no less than 25 litres per net metre square of solar collector absorber area.

TSOL solar thermal simulation software should always be used to correctly dimension each individual system, SOLFEX energy systems dedicated solar thermal sales team will carry this out for all clients free of charge.