



Experts in water.

## APPLICATIONS

Ideal for:

- All size swimming pools
- Swim spas
- Maximising your swim season and enjoyment

## WHY CHOOSE THE Davey Premium Solar Pool Heating System?

### “Free” heat from the sun

Davey’s new Premium Pool Heating System captures the free heat generated by the sun and transfers it into your pool water at virtually no cost. In addition, the unique design of the new absorber system helps to maximise the latent heat transfer from your roof, substantially improving the overall heat gain achieved in your pool.

### More enjoyment...

Regardless of where your pool is located there will always be a significant difference in your pool water temperature, even in the middle of summer, those extra few degrees provided by solar heating can be welcome. Your swimming pool is a major investment, so you deserve to enjoy it more, for longer. This can all be achieved with the installation of a Davey Solar Pool Heating System.

### SolarMatic™ Digital Solar Controller


The addition of a Davey SolarMatic™ Controller provides for:

- Total control over your solar pool heating system and equipment by utilising the latest advanced touch pad technology
- A fully weather protected UV stabilised rust proof cabinet with large digital display showing pool, roof and set temperatures.
- A contact free switching relay for the solar pump, provides for exceptional reliability and only operates when free heat from the sun is available on the roof
- An Auto-purge function regularly flushes your complete solar system, virtually eliminating the incidence of bacteria, mould, fungus and algae growing within the absorber when not in use
- Computer enhanced temperature modelling and sensing that can predict the pool water temperatures throughout the year within + or - 2°C
- A built in Tropical Night mode to cool water in tropical areas

### Customised Roof Solar Systems are also available –

- Solar absorbers PVC matting (12 Tube x 30m & 12 Tube x 50m)
- Solar pre moulded manifolds, elbows, tube collars and relief valves
- Solar accessories and fittings

For a customised solar pool heating systems please contact Davey on 1300 232 839.



SolarMatic™  
Controller

## Davey Premium Solar Pool Heating Systems

Type – Kit Numbers:  
B3P-20, B3P-28, B3P-40, B3P-50 & B3P-65

Davey’s new Premium Solar Pool Heating Systems allow you to capture the free heat from the sun and heat your pool for virtually free. The installation of a Davey Solar Pool Heating system means you can extend your swim season and enjoyment for longer throughout the year.



**NEW**

Pool solar pump  
Non return check valve  
2 way full flow gate valve

Typical solar installation

Davey's new Premium Solar Pool Heating Systems are:

- Complete, ready to install roof solar kits for pool heating applications
- Suited to pools between 20,000 and 65,000 litres
- Lightweight, compact pre-assembled modular components that quickly and easily lock together
- Easy and quick to install for pool professionals, saving time and money
- Davey SolarMatic™ controllers and pumps, sold separately

Excludes PVC pipes, valves and fittings required for connection to and from the roof and pool to the solar pump.

OCT

NOV

DEC

JAN

FEB

MAR

APR

Normal Season

Extended Season in a typical solar heated pool

SOLAR PUMP SELECTION GUIDE				
Type	Pool Size (litres)	Single Storey House*	Two Storey House*	Three Storey House and above
B3P-20 m <sup>2</sup> Kit	20,000	SLS75	SLS100	Consult Davey
B3P-28 m <sup>2</sup> Kit	28,000	SLS75	SLS100	Consult Davey
B3P-40 m <sup>2</sup> Kit	40,000	SLS100	SLS100	Consult Davey
B3P-50 m <sup>2</sup> Kit	50,000	SLS100	SLS150	Consult Davey
B3P-65 m <sup>2</sup> Kit	65,000	SLS100	SLS150	Consult Davey

\* The above is a guide only. It is based on the average roof height of a single storey house, (5mtrs) and a two storey house, (8mtrs) and the location of the solar pump being within 8-15 meters of the swimming pool. Please consult Davey or your Solar Pool Heating installation specialist for solar pump sizing advice.

NOTE • Optimal solar gain and performance is achieved when installed on a north facing roof.  
 • It is important to fit a non-return check valve (Part No. Q4080) and a two-way valve (Part No. Q4020) on the discharge side of the solar pump. (see diagram above)



[davey.com.au](http://davey.com.au) | [daveynz.co.nz](http://daveynz.co.nz)

This literature is not a complete guide to product usage. Further information is available from your Davey Dealer, Davey Support Centre and from the relevant product Installation and Operating Instructions. Must be read in conjunction with the relevant product Installation and Operating Instructions and all applicable statutory requirements. Product specifications may change without notice.  
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