



DAVEY

POOL & SPA PRODUCT GUIDE

Pumps | Chlorinators | Filters | Heaters

PROUDLY AUSTRALIAN SINCE 1934
Where water matters, you can Depend on Davey



For over 80 years, Davey Water Products has been manufacturing products that help protect and enhance people's lives.

Davey global headquarters in Melbourne manufactures and distributes a comprehensive range of products for pools and spas, conservation, treatment, filtration and fire fighting.

A market leader in Australia and New Zealand we also export to over 50 countries internationally where our products perform in some of the world's toughest environments.

With a strong engineering capability, Davey develops and markets leading water products for homes, businesses, farms, fire and flood protection, rainwater harvesting, pool and spa and communities.

Where water matters, you can Depend on Davey.

Pool water that's clean & safe



pH Pump

ChloroMatic

ChloroMatic salt water chlorinators

Combine the feel of natural, clean, sparkling pool water with automated pool chlorination. With an extensive range of models, the Davey ChloroMatic salt water chlorinators are ideal for all residential pools. Plus you get Davey's easy-to-use controls, easy-to-clean reverse polarity cell and pH pump control capability.



AquaReviva

AquaReviva mineral and salt water sanitisers

Safe, sparkling salt water all season long becomes a reality with the all new AquaReviva. The Davey AquaReviva combines easy to use, "set and forget" automation with a reverse polarity cell, making cleaning quick and easy. AquaReviva – relax and enjoy your pool.



FilterMate

FilterMate controller

Take control of your leisure time. Davey FilterMate automates your pool and spa equipment with a simple to operate and very smart all-in-one controller. Imagine the possibilities of commanding filtration, lights and other outside entertainment devices.

Pool water circulation



ProMaster Premium VSD400

ProMaster Variable Speed Drive (VSD) pool pumps

Davey's latest range of high efficiency ProMaster VSD Pool Pumps are ideal for today's swimming pools. The ProMaster range is an innovative advancement from traditional pool pumps, boasting a patented water cooling design for smooth and super quiet operation, with a large leaf basket to reduce the intervals needed between cleaning.

The ProMaster VSD200 provides simple operating speed adjustment. The new VSD400 has this and more, including weatherproof RJ45 communication port, selectable time based full speed boost cycling, constant flow/speed compensation and alternating backwash speed cycling technology. This automated technology gives you more time to sit back and enjoy your pool. Running your variable speed pump at low speed uses less energy to turnover the same amount of pool water, saving money on energy running costs.



PowerMaster ECO

PowerMaster ECO Series pool pumps

The Davey PowerMaster ECO Series gives you outstanding 6 & 8-star energy efficiency with low running costs and exceptional performance. With three speeds at your fingertips on the PMECO model, you can control every pool operation for maximum savings.



PowerMaster

PowerMaster pool pumps

The original Davey PowerMaster workhorse is a robust and powerful single speed pool pump with several motor sizes, designed to suit all pool sizes and many light commercial applications. Suitable for pumping high salinity water as well as sea water.



Silensor SLL

Silensor pool pumps

Are you after the quietest of pool pumps? The name says it all...Davey Silensor. The patented water cooled motor makes Silensor so quiet, you can use it at any time of the day or night. The range offers an optional extra large leaf basket for fewer cleans, giving you the perfect single speed pool pump for any residential use. Silensor is perfect for above ground pools or smaller pools.



Davey SureFlo

Davey SureFlo pool pumps

Why buy a pool pump that is too big for what you need? If you have a smaller above or below ground pool, the Davey SureFlo is an economic, compact pump which is ideal for you. Affordable to run, these powerful universal, multi-fit pumps are also perfect for solar pool heating pump applications.



StarFlo

StarFlo pool pumps

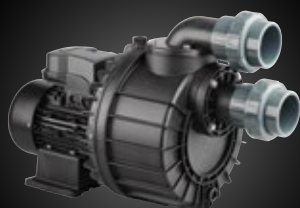
Ideal for above or in-ground pools, the Davey StarFlo is both tough and versatile. The StarFlo is constructed from strong corrosion resistant and UV resistant materials and houses a high performance silicon carbide Viton mechanical seal for long life. The powerful pumping delivers optimum flow rates for rapid pool water turnover. StarFlo, tough and versatile. Retro-fittable to many other pumps.



Typhoon

Typhoon pool pumps

Capture the power of a Typhoon. The Davey Typhoon offers exceptional flow rates and high performance water circulation for your larger pool, with a choice of seven models. Typhoon is also ideal for multi-story solar heating applications and in floor cleaning systems.



Hurricane

Hurricane counter swim jet system

Turn your pool into a leisure and sports zone with the Davey Hurricane counter swim system. Easy to install, this high powered pump and specially designed turbo swim jet outlet provides a high flow of jet water to swim against. With 3 settings for increased swim resistance, the Davey Hurricane swim system is a fantastic addition to turn your “fun” pool into an efficient swim station.

Clean water that stays clean



CrystalClear & EcoPure
media filters

CrystalClear and EcoPure media filters

Make your pool water sparkle with Davey's new media filters. The CrystalClear range uses Davey designed 'T-laterals' for more efficient water use during filtration and backwashing; extending the time between backwashes saving you time, water and money. The EcoPure range is economical, very reliable and easy to use. Davey EcoPure & CrystalClear filters come with a 10 year guarantee providing peace of mind and crystal clear pool water, time after time.



CrystalClear & EcoPure
cartridge filters

CrystalClear and EcoPure cartridge filters

Davey cartridge filters are the economic alternative for the water-conscious swimming pool or spa pool owner, with no backwashing required. Suited to energy efficient pumps, such as Davey PowerMaster ECO series, Davey cartridge filters are easy to use and built with high quality materials. CrystalClear can be matched with any pump or pool size. If you have a smaller pool, choose the EcoPure.

Pool cleaning



Davey pool handover kits

Davey pool handover kits include a quality 38mm supaflex hose (either 11 or 15 metre), vacuum head, deep bag leaf skimmer, professional wall brush, floating thermometer, test kit, 2.4 – 4.8m telepole and a CPR sign.

Keeping your pool water warm



Davey by Nirvana heat pump

Davey by Nirvana electric heat pumps

These premium heat pumps are one of the industry's best performers. Boasting an industry high, co-efficiency of performance (COP) of up to 7, these heat pumps are very efficient to operate. Producing an energy output of up to 7kW's for every 1kW of energy input, these units are the ideal choice when it comes to heating your pool seasonally or all year round. Running costs, energy efficiency and the COP are further enhanced with the use of either a water-cooled Davey Silensor or ProMaster pool pump.



Davey gas heaters

Pool & spa gas heaters

Swim and entertain all year round with a Davey gas heater. These heaters run on natural gas or propane and utilise hot surface ignition for optimal energy savings. Straightforward to operate, Davey gas heaters come with an optional in-house remote control. Great for both indoor and outdoor installations, they're the ideal choice for heating virtually any pool and spa.

Your poolside oasis



Davey Cascade Waterfall

Davey Cascade Waterfalls

Make your friends green...or blue or red with envy by adding 'spectacular' to your pool and garden design with the Davey Cascade Waterfall LED light and waterfall system. Shimmering ambient lights in gorgeous colours and the tranquil sounds of running water are available at the flick of a switch from your wireless remote control system.



Pool & Spa Lights

Davey – PAL Colour Touch LED pool lights

Energy efficient low voltage 12V DC lights, fully integrated Wi-Fi and remote control technology at your fingertips. Control your pool lights with the convenience of your smart phone with the PAL app. Lights to suit both fibreglass and concrete pools. Run up to 8 PAL Colour Touch pool lights from one driver and transformer.

Spa control, power & bubbles



SpaPower Controllers
with Titanium Heater Elements



SpaPower Blower

SpaPower controllers, pumps, blower & touchpads

Davey's range of SpaPower controllers, spa pool systems, spa pumps and touchpad controls offer a wide range of features, flexibility and functionality.

The range allows you to easily control your LED spa lights, spa blower, spa pump and spa jets, all from the convenience of your spa-side touchpad control. Control has never been easier.



Touchpads to suit
SpaPower Controllers



SpaPower QB Series
Booster Pump

DAVEY
SpaPOWER®

ChloroMatic salt water chlorinators

CHLORINE OUTPUT	Model	Chlorine Gas Production (g/hr 100%)	Calcium Hypochlorite (g/hr 65% equivalent)	*With optional 12V Pool Light Transformer	Maximum Pool Size (Litres)		
					Cool Climates <25°C	Temperate Climates 25°C to 30°C	Hot & Tropical Climates >30°C
	MCS16C*	16	25	✓	80,000	50,000	35,000
	MCS24C*	24	37	✓	120,000	75,000	55,000
	MCS36C	36	55	✗	180,000	112,000	80,000
	MCS50C	50	77	✗	250,000	200,000	160,000

*To order with optional light transformer add 'T' to the end of the model number.

DIMENSIONS (mm)									
Model	Controller				Cell Housing				
	Height (mm)	Width (mm)	Depth (mm)	Mounting holes	Height (mm)	Width (mm)	Diameter	Inlet/Outlet	Plumbing Holes
MCS16C	390	235	130	66 (centre to centre)	141	376	123	50	194 (centre to centre)
MCS24C									
MCS36C									
MCS50C					206	415	125		214 (centre to centre)

ELECTRICAL DATA All models	Voltage (V)	220-240
	Phase	1
	Supply Frequency (Hz)	50
	Enclosure Class (IP)	34
	Approval No.	TUV16001EA

IMPORTANT NOTES:

1. In 'hard water' applications (above 275ppm), reverse polarity systems will require regular (monthly) inspection and manual cleaning.
2. If using mineral salts in areas with hard water, reverse polarity systems may require occasional manual cleaning. Mineral salts can form scale on the cell that isn't removed through the polarity reversal process, therefore more frequent manual cleaning may be required. In some cases this scale is soft enough to remove with a strong jet of water if acid cleaning proves ineffective.
3. The appropriate chlorinator size for your pool is dependent on the local climate and the bather load of the pool. Please note that chlorinator cell life can be increased with shorter running times during winter and lower output settings. Davey recommends that a chlorinator is run for between 6 - 8 hours a day during summer and between 2 - 4 hours a day during winter. A 24 hour super chlorination is recommended after heavy pool use.
4. Please read instruction manual for further pool size and running time information.

AquaReviva mineral and salt water sanitisers

SANITISER OUTPUT	Model	Chlorine Gas Production (g/hr 100%)	Calcium Hypochlorite (g/hr 65% equivalent)	Maximum Pool Size (Litres)		
				Cool Climates <25°C	Temperate Climates 25°C to 30°C	Hot & Tropical Climates >30°C
	DAR14C	14	22	70,000	43,000	30,000
	DAR20C	20	31	100,000	62,000	44,000
	DAR26C	26	40	130,000	81,000	57,000

DIMENSIONS (mm)								
Controller				Cell Housing				
Height (mm)	Width (mm)	Depth (mm)	Mounting holes	Height (mm)	Width (mm)	Diameter	Inlet	Outlet
360	235	125	66 (centre to centre)	110	250	100	50	50

ELECTRICAL DATA All models	Voltage (V)	220-250
	Phase	1
	Supply Frequency (Hz)	50
	Enclosure Class (IP)	34
	Approval No.	TUV16592EA

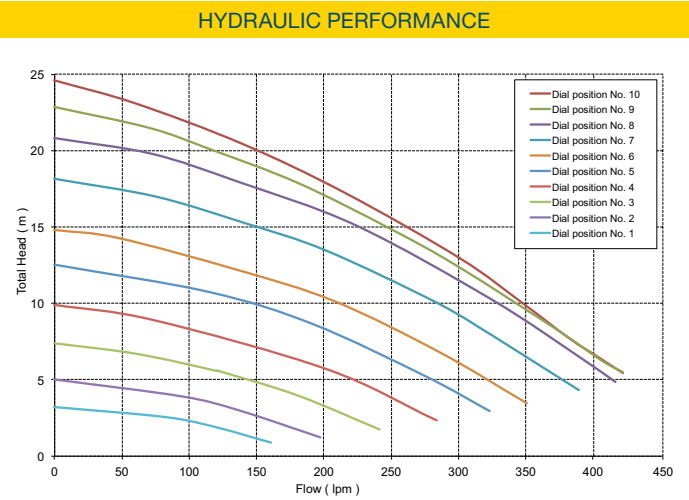
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4. Preferably used with media filters rather than cartridge filters. Cartridge filtration is okay however may require more frequent cleaning of cartridge element.

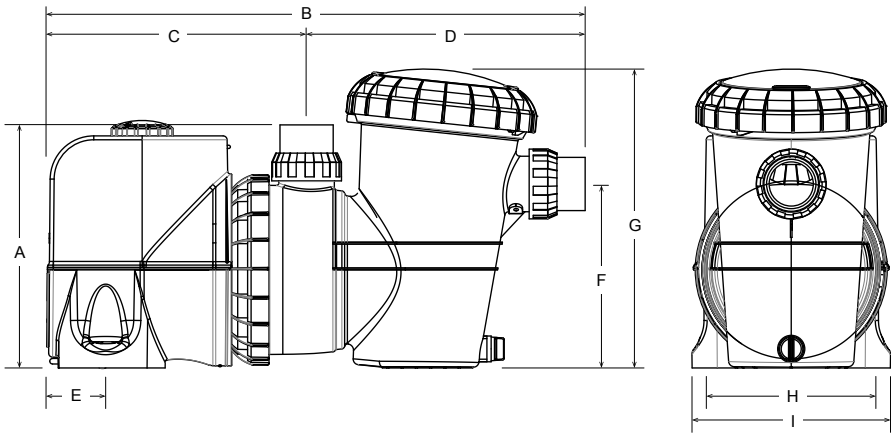
ProMaster Premium VSD400 pool pump

ELECTRICAL DATA	
Voltage (V)	240
Supply frequency (Hz)	50
Motor input power (W/hp)	120W/0.16hp @ Dial 1 660W/0.85hp @ Dial 5 1,630W/2.2hp @ Dial 10 Variable speed @ Backwash
Motor speed (rpm)	1,050 to 3,100
Backwash (rpm)	Variable speed
Enclosure class (IP)	45
Insulation class	F
Power lead length	3m
Approval No.	SGS-150025-EA

OPERATING LIMITS	Max. water temperature	Max. ambient temperature
	40°C	50°C



DIMENSIONS (mm)												
Model	A	B	C	D	E	F	G	H	I	Mounting Holes Diameter	Inlet/Outlet PVC	Net Weight (kg)
PM400PV	305	670	320	350	65	230	380	200	250	10	50	14.5



ProMaster VSD200 pool pump

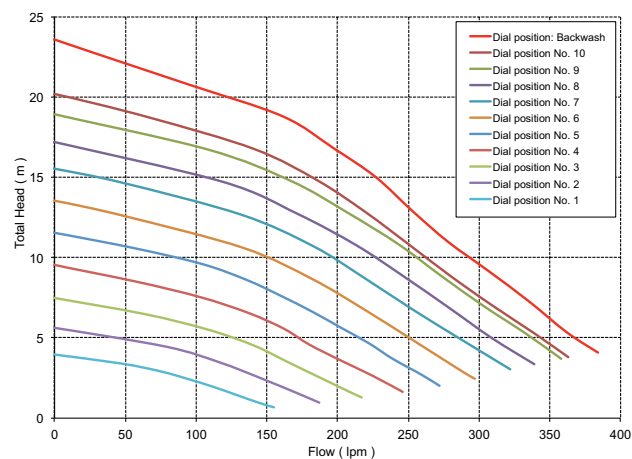
ELECTRICAL DATA

Voltage (V)	240
Supply frequency (Hz)	50
Motor input power (W/hp)	116W/0.16hp @ Dial 1 488W/0.65hp @ Dial 5 1,000W/1.34hp @ Dial 10 1316W/1.76hp @ Backwash
Motor speed (rpm)	1,500 to 3,600
Backwash (rpm)	3800
Enclosure class (IP)	45
Insulation class	F
Power lead length	3m
Approval No.	SGS-150025

OPERATING LIMITS

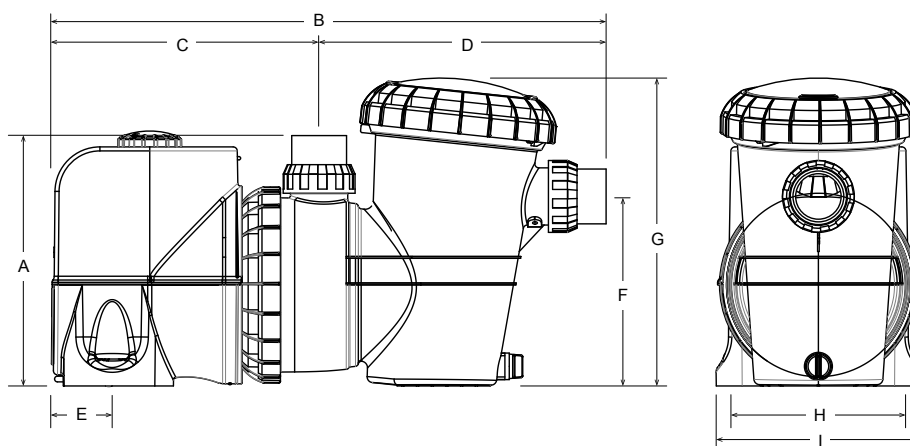
Max. water temperature	Max. ambient temperature	Noise level (AS 5102.2)
40°C	50°C	50 dBA (at Speed 1)

HYDRAULIC PERFORMANCE



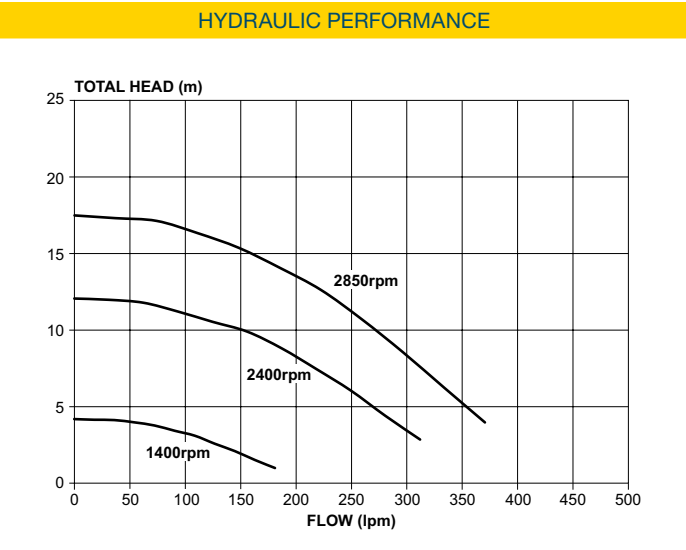
DIMENSIONS (mm)

Model	A	B	C	D	E	F	G	H	I	Mounting Holes Diameter	Inlet/Outlet PVC	Net Weight (kg)
PM200SV	305	670	320	350	65	230	380	200	250	10	40/50	14



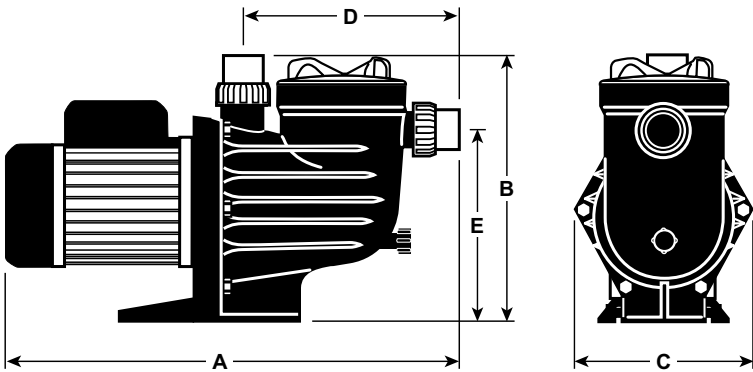
PowerMaster ECO Series pool pumps

ELECTRICAL DATA	
Model	PMECO
RPM	Eco Flow Speed – 1400
	Mid Flow Speed – 2400
	High Flow Speed – 2850
Enclosure Class (IP)	24
Insulation Class	Class B 130 Insulation
Voltage (V)	240 AC
Supply Frequency (Hz)	50
Run current (A)	6.3
Motor Input Power (W/hp)	Eco Flow - 180W / 0.24hp
	Mid Flow - 720W / 0.96hp
	Hi Flow - 990W / 1.32hp
Motor Output Power (W/hp)	Eco Flow - 127W / 0.17hp
	Mid Flow - 521W / 0.70hp
	Hi Flow - 853W / 1.14hp



OPERATING LIMITS	Max. water temperature	Max. ambient temperature
	50°C	55°C

DIMENSIONS (mm)									
Model	A	B	C	D	E	Mounting Holes Diameter	Inlet PVC	Outlet PVC	Net Weight (kg)
PMECO	645	330	250	305	246	10	*40/50	*40/50	15.9

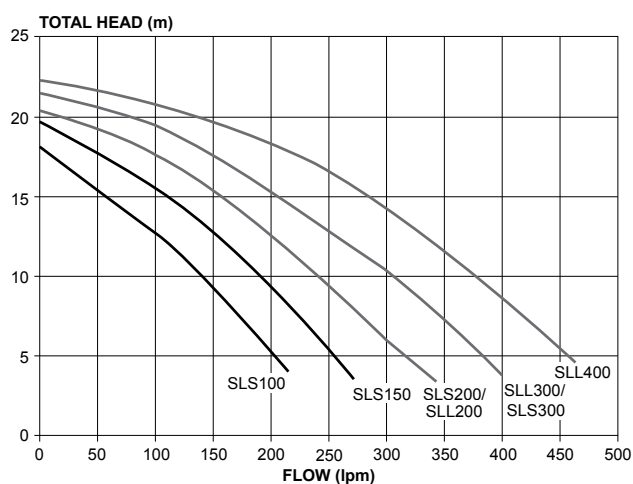


Silensor by Davey pool pump

ELECTRICAL DATA

Model	SLS100	SLS150	SLS200	SLS300	SLL200	SLL300	SLL400
Voltage (V)	220/240						
Supply Freq (Hz)	50						
Motor Input Power (W/hp)	740W/1.0hp	860W/1.2hp	1090W/1.5hp	1400W / 1.9hp	1130W / 1.5hp	1400W / 1.9hp	1760W / 2.4hp
Motor Output Power (W/hp)	525W/0.7hp	620W/0.8hp	775W/1.0hp	960W / 1.3hp	830W / 1.1hp	960W / 1.3hp	1200W / 1.6hp
RPM	2850						
Enclosure Class (IP)	56						
Insulation Class	F						
Approval No.	A/10EA						
Lead Length	3m						

HYDRAULIC PERFORMANCE

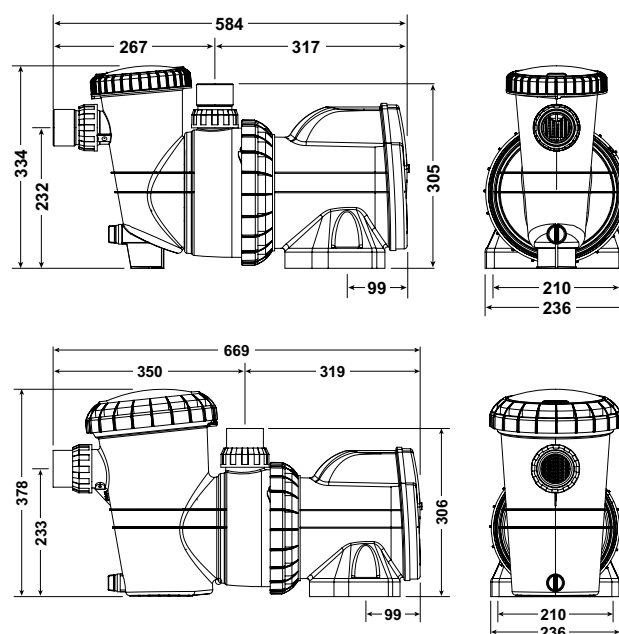


OPERATING LIMITS

Max water temperature	40°C
Max ambient temperature	40°C
Noise level (AS 5102.2)	54 to 56dBa

DIMENSIONS (mm)

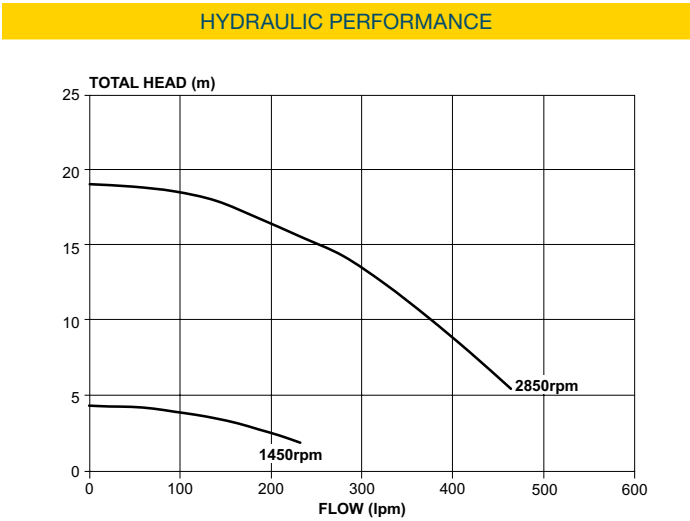
Model	Mounting Holes Diameter	Inlet PVC	Outlet PVC	Net Weight (kg)
SLS100	10 x 34	40	40	11.0
SLS150		40	40	11.0
SLS200		40	40	11.5
SLS300		40	40	11.5
SLL200		40 / 50	40 / 50	12.5
SLL300		50	50	12.5
SLL400		50	50	13.0



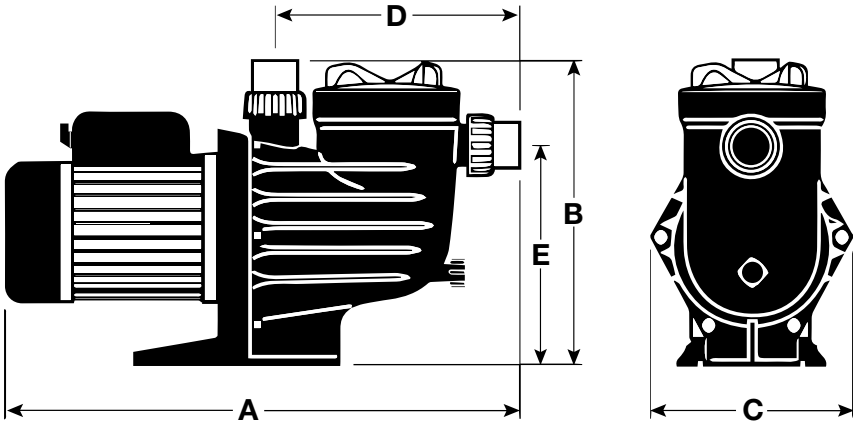
PowerMaster ECO 2 pool pumps

ELECTRICAL DATA	
Model	PMECO2
RPM	Eco Flow Speed – 1450
	High Flow Speed – 2850
Enclosure Class (IP)	25
Insulation Class	Class F155 Insulation
Voltage (V)	240 AC
Supply Frequency (Hz)	50
Run Current (A)	7.1
Motor Input Power (W/hp)	Eco Flow - 279W/0.37hp
	Hi Flow - 1510W/2.02hp
Motor Output Power (W/hp)	Eco Flow - 223W/0.30hp
	Hi Flow - 1208W /1.62hp

OPERATING LIMITS	Maximum water temperature	50°C
	Maximum ambient temperature	55°C
	Noise level (AS 5102.2)	54.3 dBa



DIMENSIONS (mm)								
A	B	C	D	E	Mounting Holes Diameter	Inlet PVC	Outlet PVC	Net Weight (kg)
645	330	250	305	246	10	*40/50	*40/50	16.8

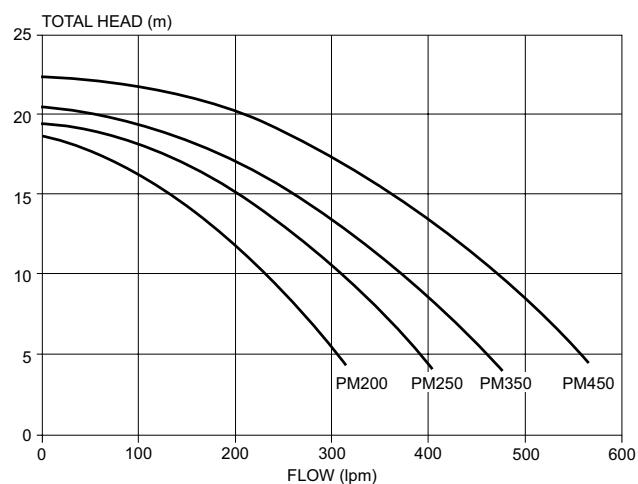


PowerMaster pool pumps

ELECTRICAL DATA

Model	PM200	PM250	PM350	PM450	PM4503
Voltage (V)	220-240				380-415
Phase	1				3
Supply frequency (Hz)	50				
Start current (A)	27	27	27	40	24
Run current (A)	5.8	6.5	7.7	10.0	3.6
Motor input power (W)	1200	1360	1675	2300	2040
Motor output power (W)	900	1000	1200	1775	1750
RPM	2850				
Enclosure class (IP)	56				
Insulation class	F				
Approval No.	A/10EA				

HYDRAULIC PERFORMANCE

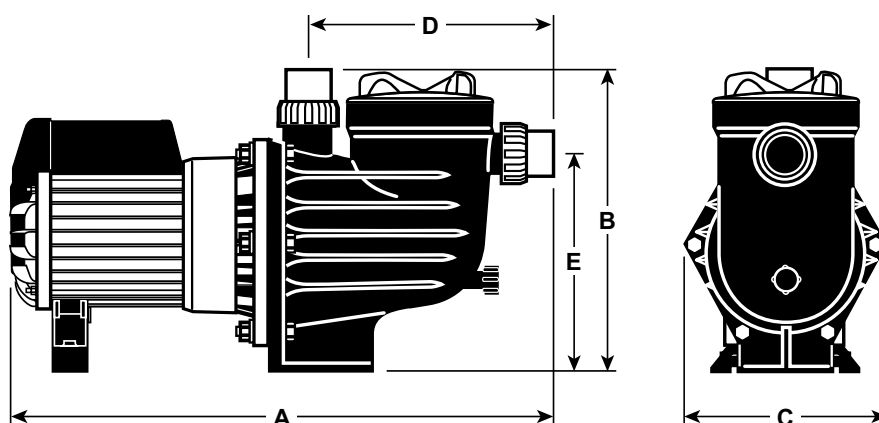


OPERATING LIMITS

Max. water temperature	Max. ambient temperature	dBa @ 1 metre
50°C	55°C	64 - (PM 200/250/350) 65 - (PM 450/4503)

DIMENSIONS (mm)

Model	A	B	C	D	E	Mounting Holes Diameter	Inlet PVC	Outlet PVC	Net Weight (kg)
PM200	615	330	250	305	246	10	*40/50	*40/50	15.9
PM250	615	330	250	305	246	10	*40/50	*40/50	15.9
PM350	615	330	250	305	246	10	*40/50	50	16.0
PM4503	665	330	250	305	246	10	50	50	18.0



SureFlo pool pump

ELECTRICAL DATA

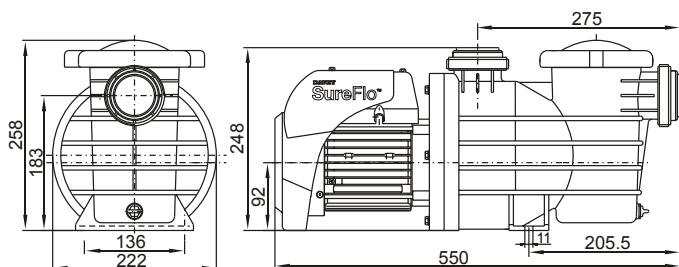
Model	DSF750	DSF900	DSF1100	DSF1350
Voltage (V)	220/240			
Phase	Single			
Supply Freq (Hz)	50			
Run current (A)	3.8	4.6	5.8	6.2
Motor Input Power (W/hp)	750W / 1.00hp	900W / 1.21hp	1100W / 1.47hp	1350W / 1.81hp
Motor Output Power (W/hp)	550W / 0.74hp	650W / 0.87hp	750W / 1.00hp	1000W / 1.34hp
RPM	2900			
Enclosure Class (IP)	55			
Insulation Class	F			
Approval No.	TUV020457EA			

OPERATING LIMITS

Max Water temperature	40°C
Max ambient temperature	40°C
Noise level (AS 5102.2)	54 to 56dBa

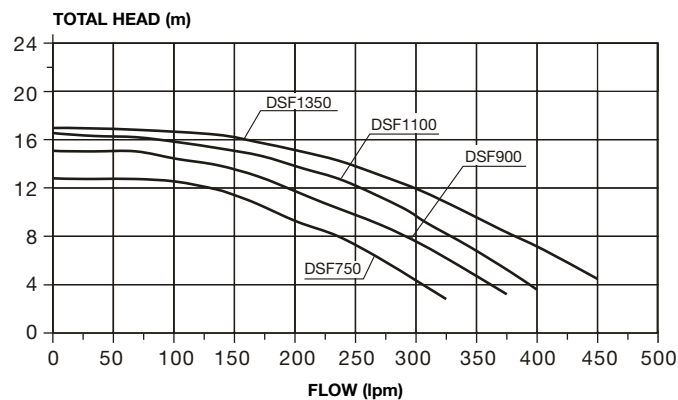
DIMENSIONS (mm)

Model	Mounting Holes Diameter	Inlet PVC	Outlet PVC	Net Weight (kg/lbs)
DSF750	11	40/50*	40/50*	10.0
DSF900				10.5
DSF1100				11.5
DSF1350				12.0



* Suction and delivery accepts 40mm PVC pipe on the I.D. and a 50mm socket or bell end on the O.D. (Barrel unions not shown)

HYDRAULIC PERFORMANCE



StarFlo pool pump

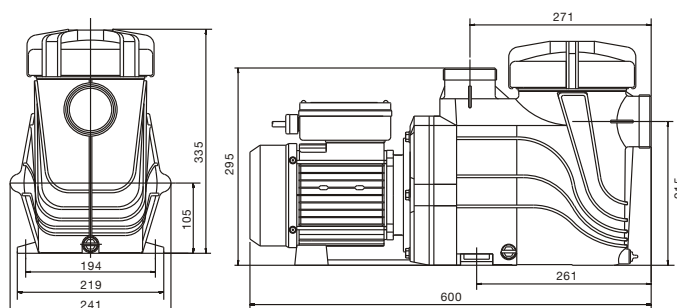
ELECTRICAL DATA

Model	DSF300	DSF420
Voltage (V)	220-240	
Phase	Single	
Supply frequency (Hz)	50	
Run current (A)	5.8	8.3
Motor input power (W)	1100	1650
Motor output power (W)	750	1300
RPM	2900	
Enclosure class (IP)	55	
Insulation class	F	
Approval No.	TUV02147EA	

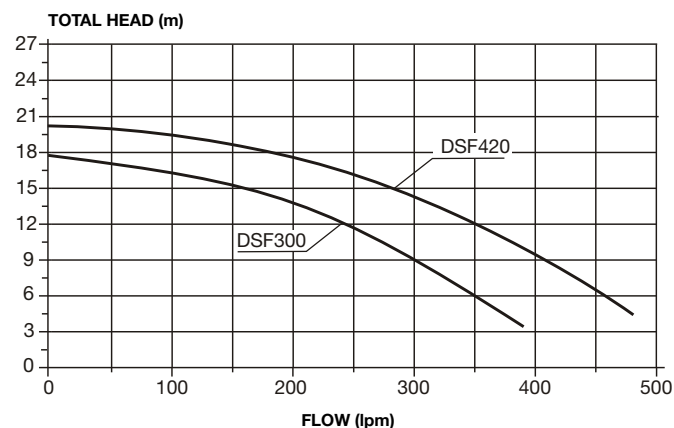
OPERATING LIMITS	Max. water temperature	Max. ambient temperature	dBa @ 1 metre
	40°C	50°C	62 - (DSF300) 65 - (DSF420)

DIMENSIONS (mm)

Model	Mounting Holes Diameter	Inlet PVC	Outlet PVC	Net Weight (kg)
DSF300	11	40 & 50	40 & 50	10.0
DSF420				11.5



HYDRAULIC PERFORMANCE

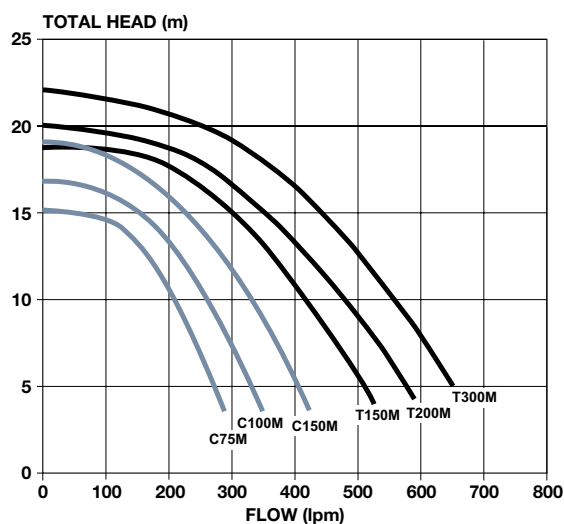


Typhoon pool pump

ELECTRICAL DATA

Model – Typhoon	C75M	C100M	C150M	T150M	T200M	T300M
Voltage (V)	240					
Supply frequency (Hz)	50					
Phase	1					
Run Current (A)	5.0	5.8	6.6	7.9	9.2	10.8
Motor Input Power (W/hp)	1100W/1.60hp	1200W/1.90hp	1600W/2.00hp	1900W/2.50hp	2200W/2.90hp	2800W/3.50hp
Motor Output Power (W/hp)	550/0.7	750/1	1100/1.5	1100/1.5	1500/2	2200/2.9
RPM	2900					
Enclosure class (IP)	55					
Insulation class	F					
Approval No.	W2442					

HYDRAULIC PERFORMANCE



OPERATING LIMITS

Max. water temperature

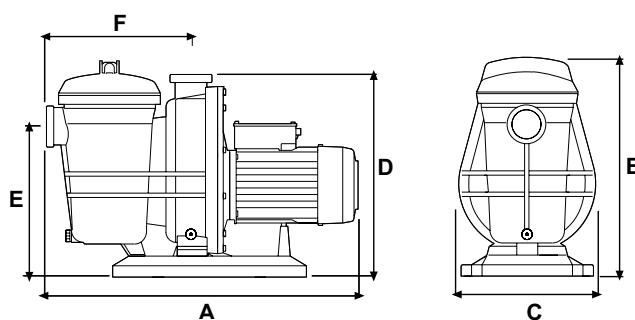
35°C

Max. ambient temperature

50°C

DIMENSIONS (mm)

Model	Description	A	B	C	D	E	F	Inlet/Outlet PVC	Net Weight (kg)
M7501B	C75M	532	330	238	345	225	262	40 / 50	10.4
M7502B	C100M								11.4
M7503B	C150M								13.5
M7521B	T150M	612	429	268	397	295	284		18
M7522B	T200M								21
M7523B	T300M (15A)								23



Hurricane counter swim jet system

ELECTRICAL DATA

Model	Hurricane
Voltage (V)	220-250
Supply frequency (Hz)	50
Phase	1
Run Current (A)	12.5
Motor Input Power (W/hp)	3000W/4.02hp
Motor Output Power (W/hp)	2300W/3.08hp
RPM	2900
Enclosure class (IP)	55
Insulation class	F
Approval No.	W2442

OPERATING LIMITS

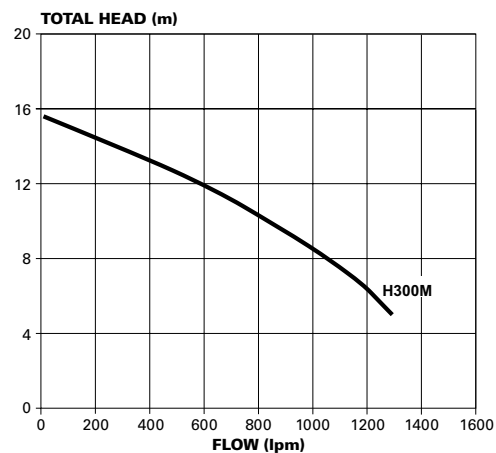
Max. water temperature

35°C

Max. ambient temperature

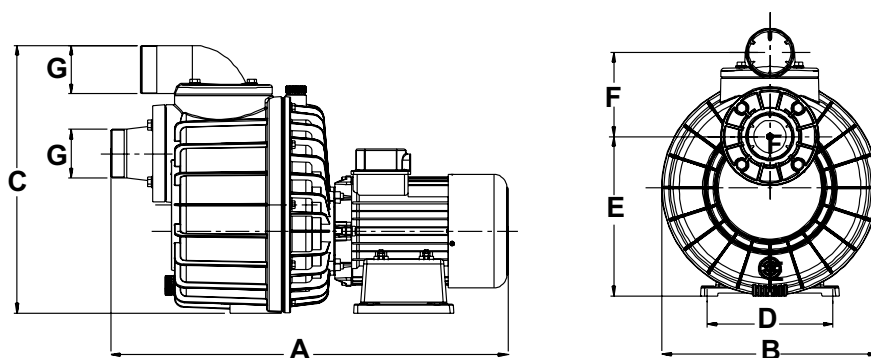
50°C

HYDRAULIC PERFORMANCE



DIMENSIONS (mm)

Type	A	B	C	D	E	F	G	Net Weight (kg)
H300M	6155	335	414.6	195	247	130	65	26



CrystalClear and EcoPure media filters

PERFORMANCE DATA & MEDIA REQUIRED

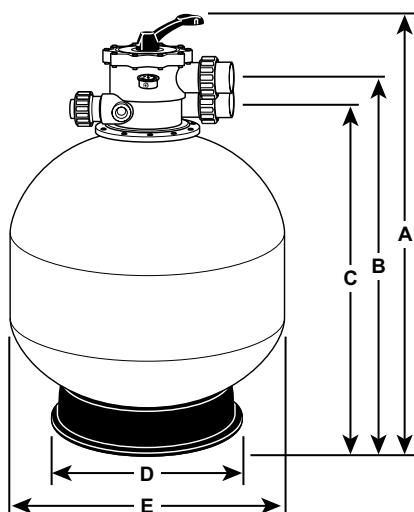
Model	Size (inches)	Sand Required (kg/bags)	Zelbrite Required (kg/bags)	Glass Required		Maximum Flow Rate (lpm)	Minimum Backwash Flow Rate (lpm)	6 Hour Turnover (litres)	Filtration Area (m²)	Max. Water Temp (°C)/Operating Pressure (kPa)
				Fine/ Medium (kg/bags)	Medium/Coarse (kg/bags)					
CrystalClear										
DCC2140	21"	85/5	64/5	45/3	30/2	185	123	66,600	0.22	40/370
DCC2540	25"	155/8	109/8	75/5		260	173	93,600	0.32	40/370
DCC2550						285		102,600	0.32	40/370
DCC2850	28"	210/11	161/11		45/3	336	224	120,960	0.38	40/370
EcoPure										
DEP2140	21"	85/5	64/5	45/3	30/2	185	123	66,600	0.22	40/320
DEP2540	25"	155/8	109/8	75/5	30/2	260	173	93,600	0.32	40/320
DEP2850	28"	210/11	158/11		45/3	325	217	120,960	0.41	40/320
DEP3250	32"	355/18	270/18	150/10	105/7	415	277	149,400	0.53	40/370
DEP3650	36"	470/24	360/24	255/17	120/8	520	347	187,200	0.66	40/370
DEP4050	40"	600/30	465/31	420/28	180/12	650	433	234,000	0.81	40/370

DIMENSIONS (mm)

Model	A	B	C	D	E	Inlet PVC	Outlet PVC	Waste PVC
CrystalClear								
DCC2140	867	731	671	497	524	40	40	40
DCC2540	967	831	771		635			
DCC2550	1017	863	783		700			
DCC2850	1083	926	846					
EcoPure								
DEP2140	844	708	648	486	510	40	40	40
DEP2540	967	831	771	486	635			
DEP2850	1080	926	846	486	700			
DEP3250	1180	1026	946	714	820	50	50	50
DEP3650	1285	1131	1051		920			
DEP4050	1406	1252	1172	720	1016			

MODEL NUMBER IDENTIFICATION

DCC	28	50
DCC = Davey CrystalClear Fibreglass Tank	28 = 28 inch tank diameter	50 = 50mm multiport valve
DEP	25	40
DEP = Davey EcoPure Fibreglass Tank	25 = 25 inch tank diameter	40 = 40mm multiport valve



CrystalClear and EcoPure cartridge filters

PERFORMANCE DATA & MEDIA REQUIRED

Model	Filtration Area (m ²)	Filtration Area (ft ²)	Maximum Flow Rate (lpm)	6 Hour Turnover* (litres)	8 Hour Turnover** (litres)
CrystalClear					
39050	4.65	50	205	73,800	98,400
39075	6.95	75	270	97,200	129,600
39100	9.29	100	340	122,400	163,200
39150	13.93	150	450	162,000	216,000
39175	16.25	175	540	194,400	259,200
39225	20.90	225	670	241,200	321,600
EcoPure					
Q2203MN	9.29	100	400	144,000	192,000
Q2204MN	13.93	150	490	176,400	235,200

* Figure based on 6 hour turnover @12.5m head. **Figure based on 8 hour turnover @12.5m head.

DIMENSIONS (mm)

Model	A	B	C	D	Min. Clearance from Top of Filter	Inlet PVC	Outlet PVC
CrystalClear							
39050	410	60	520	765	245	40/50*	40/50*
39075							
39100			615	960	345		
39150			805	1320	515		
39175			905	1530	625		
39225			1095	1915	820		
EcoPure							
Q2203MN	390	50	720	1205	485	40/50*	40/50*
Q2204MN			898	1565	667		

*40/50mm tail on unions allow connection of a DN40 PVC pipe or into the socket/collar of a DN50 PVC pipe.

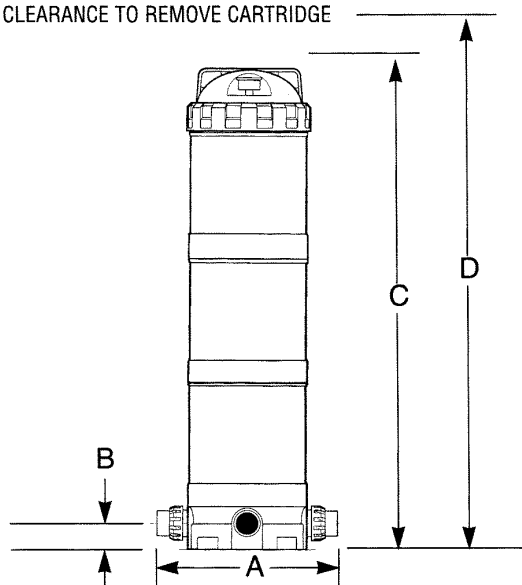
OPERATING LIMITS

Maximum water temperature	45°C
Maximum operating pressure	280kPa

REPLACEMENT FILTER

Model	Replacement Filter P/N
CrystalClear	
39050	Q2310
39075	Q2311
39100	Q2312
39150	Q2313
39175	Q2311 & Q2312
39225	Q2311 & Q2313
EcoPure	
Q2203MN	Q2227
Q2204MN	Q2228

CLEARANCE TO REMOVE CARTRIDGE



Davey by Nirvana electric heat pumps

PERFORMANCE DATA*								
Model	27°C 80% 27°C**		27°C 63% 27°C**		10°C 63% 27°C**		Combined with a Davey Silensor or ProMaster pump†	
	kW	COP	kW	COP	kW	COP	kW	COP
KDN1-50	14	6.4	12	6.0	9	4.3	14	7.1
KDN1-80	22	7.0	20	6.4	14.5	4.6	22	7.0
KDN1-100	28	6.4	26.5	6.2	18	4.3	28	6.7
KDN3-120	34	6.2	32	6.0	22.5	4.2	34	6.3

* Reference only, results may change based on ambient air temperatures with the use of a pool blanket, location and region of the installation
** Rated in accordance to AHRI standard 1160: ambient air temperature (°C)| humidity (%) | pool water temperature (°C)
† Rated outside the scope of AHRI 1160 using a Davey swimming pool pump Silensor SLL300, ProMaster PM200SV on speed 8, and the ProMaster PM400PV on speed 6 at 27°C | 63% | 27°C conditions with 250lpm water flow
COP = Co-efficiency of Performance

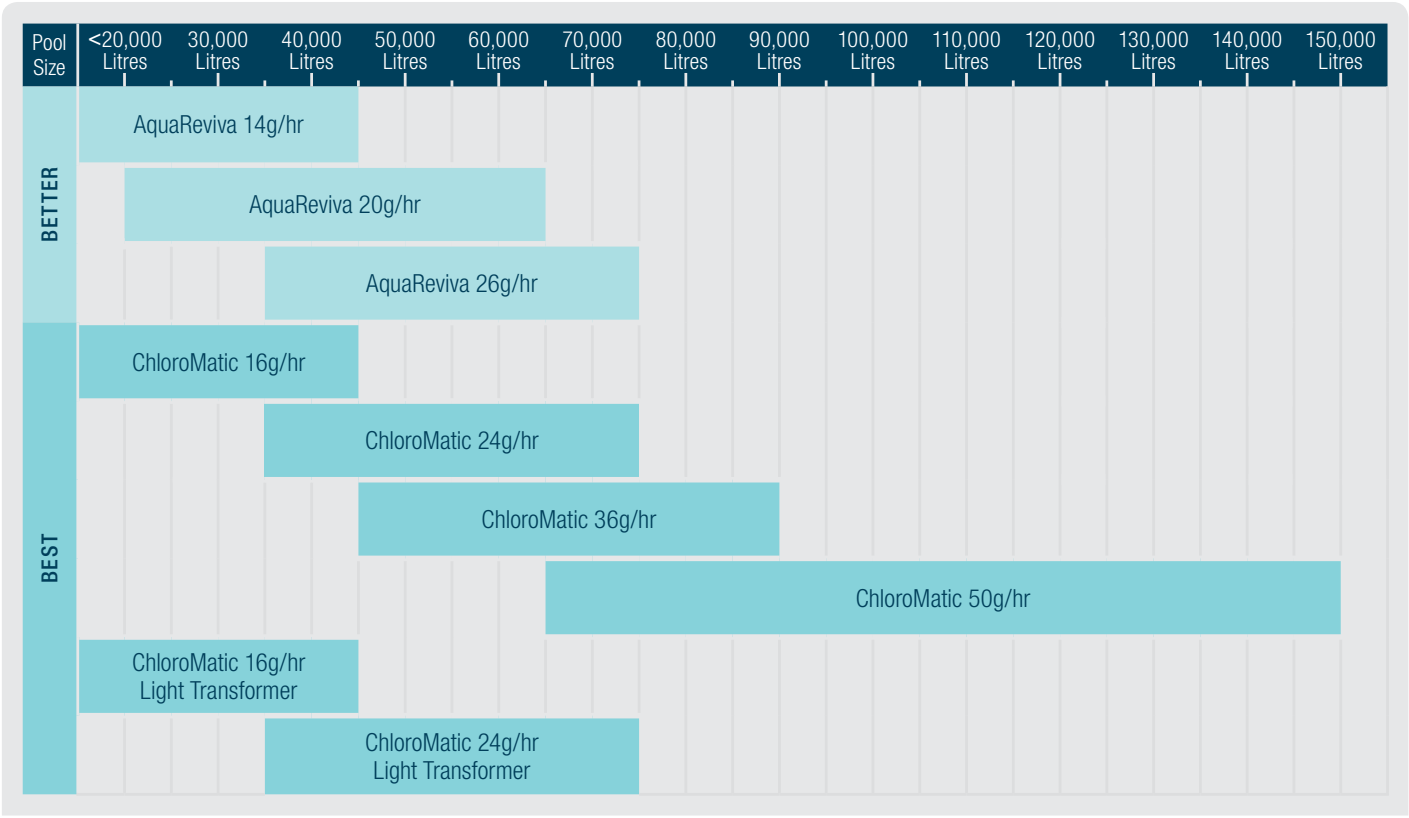
DIMENSIONS (mm)					
Model	Height (mm)	Width (mm)	Length (mm)	Weight (kg)	Water Connections
KDN1-50	890	890	840	86	40mm
KDN1-80	1040			110	
KDN1-100	1140			114	
KDN3-120	1240			115	

TECHNICAL DATA	Heat Exchanger	Control Board	Defrost Mode	Compressor Type	Cabinet	Refrigerant
	Titanium Double Coil	Digital	Passive	Scroll	Fibreglass Composite	R410A

IMPORTANT NOTES

Energy efficiency at low temperatures is the most important factor to consider because that's when the pool needs the most heat and when the heat pump will operate for the longest amount of time. The Nirvana heat pump has the highest ranked units according to AHRI at low ambient temperatures, which will translate to the lowest total operating costs.

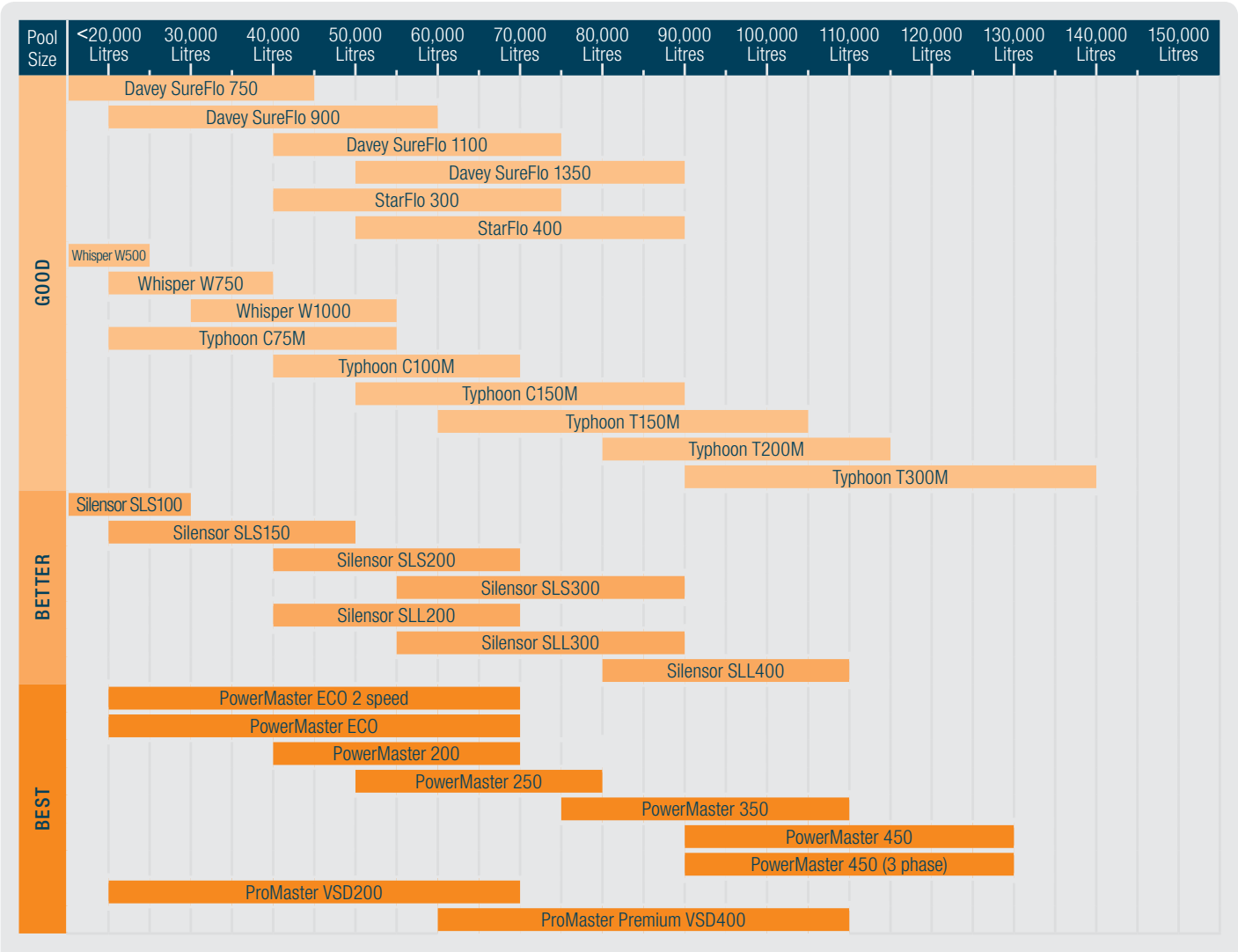
Salt Water Chlorinator Selection Guide



Note: Salt Water Chlorinator sizing is a guide only. Chlorinator model recommended for given pool size (litres), is climate dependent and based on an average run time of 8 hours per day.

BARREL UNIONS	
Unit	Size (mm)
Salt Water Chlorinators (All)	40/50

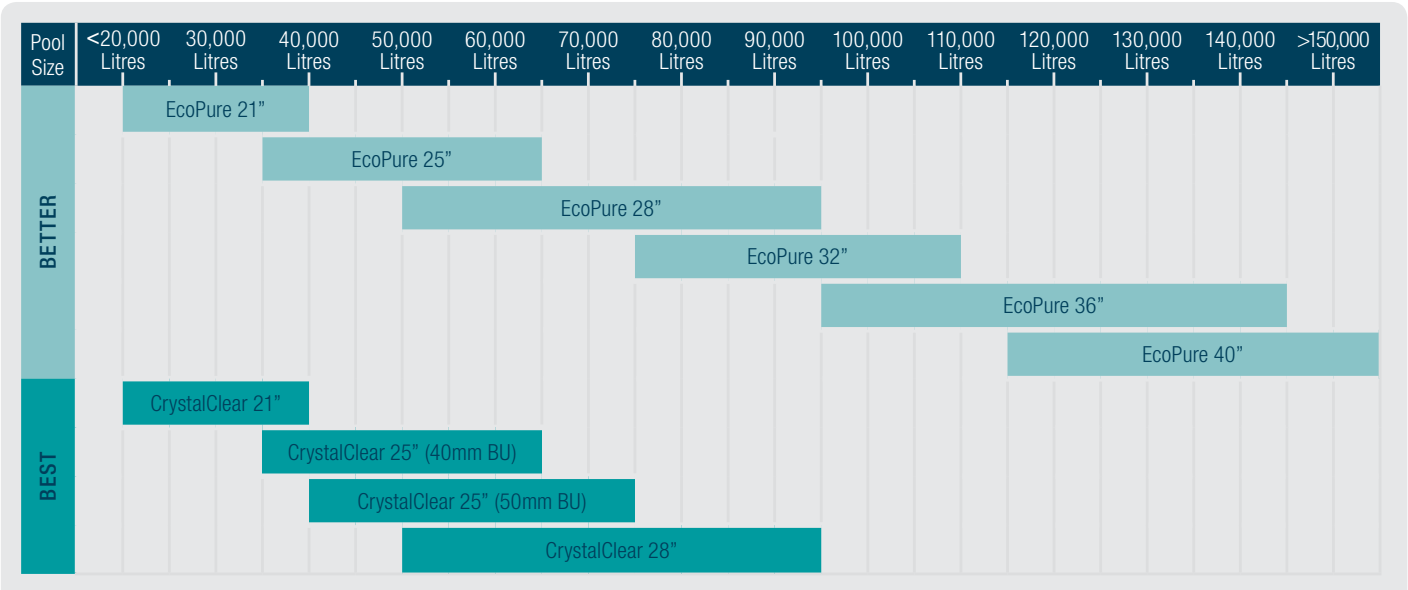
Pump Selection Guide



Note: The figures in the selection chart are guidelines only and are climate dependant. Please ask your Davey Dealer or contact the Davey Support Centre for further sizing advice.

BARREL UNIONS	
Pump	Size (mm)
Davey SureFlo	40/50
StarFlo	40/50
Whisper	50
Typhoon	40/50
Silensor (SLS)	40
Silensor (SLL200)	40/50
Silensor (SLL300-400)	50
PowerMaster ECO	40/50
PowerMaster (1 phase)	40/50
PowerMaster (3 phase)	50
ProMaster VSD	40/50

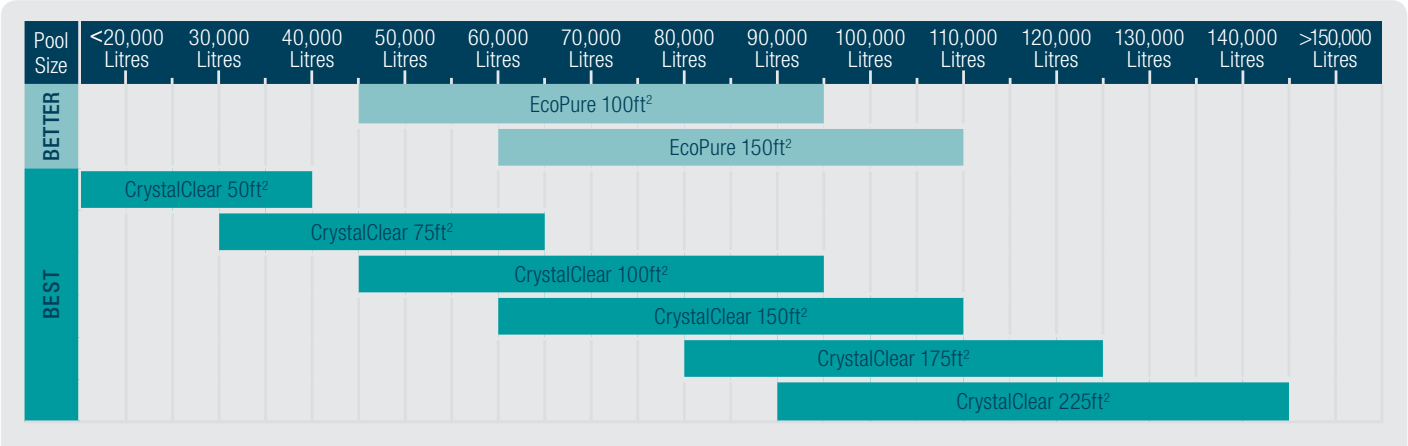
Media Filter Selection Guide



Note: The figures in the selection chart are guidelines only and are climate dependant. Please ask your Davey Dealer or contact the Davey Support Centre for further sizing advice.

BARREL UNIONS	
Filter	Size (mm)
EcoPure/CrystalClear 21" - 25"	40
EcoPure 28" - 40"	50
CrystalClear 25"(50) - 28"	50

Cartridge Filter Selection Guide



Note: The figures in the selection chart are guidelines only and are climate dependant. Please ask your Davey Dealer or contact the Davey Support Centre for further sizing advice.

BARREL UNIONS	
Filter	Size (mm)
EcoPure & CrystalClear	40/50

Available from:



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Member of the GUD Group
ABN 18 066 327 517

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davey.com.au | 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. Davey is a registered trademark of Davey Water Products Pty Ltd. © Davey Water Products Pty Ltd 2017.