



Depend on Davey

DAVEY

APPLICATIONS

- Grey water pumping
- Sump emptying
- Septic effluent disposal
- Water transfer
- Pumping of light slurries and factory waste

WHY CHOOSE THE DAVEY Submersible Vortex Pump?

Corrosion resistant 304 stainless steel shaft, motor shell and fasteners

- Long service life

Open impeller, vortex, centrifugal design

- Able to pump soft solids in suspension
- Less susceptible to blockage

Double mechanical shaft seal in oil bath with hard faced silicon carbide / ceramic seal on pump side

- Added motor protection
- Long service life

Sand slinger lip seal

- Added protection
- Long service life

Adaptable to Davey SR80 slide rail kits

- Easier installation & removal for service



Davey Submersible Vortex Pumps

Model Numbers: D75VA & DT08V

High flow vortex submersible sump pumps with a choice of single or three phase motors.

OPERATING LIMITS

Capacities to	500lpm
Heads to	9m
Max. submergence	20m
Max. operating temperature	40°C
Max. soft solids	46mm O.D.
Suitable Fluids	
Clean or "grey water" of neutral pH containing up to 20% small soft solids or 1% fine solids. Some wear should be expected while pumping hard solids in suspension.	

MATERIALS OF CONSTRUCTION

PART		MATERIAL
Impeller		Cast iron
Pump casing		Cast iron
Outlet		Cast iron
Shaft seal	pump side motor side	Silicon carbide/ceramic Carbon/ceramic Mechanical seals in captive oil bath with oil seal
Shaft seal elastomer		Nitrile rubber
Pump shaft		304 Stainless Steel
Orings		Nitrile rubber
Motor shell		304 Stainless Steel
Handle		304 Stainless Steel
Fasteners	Float & power supply leads	304 Stainless Steel HO7RNF-F oil resistant

ELECTRICAL DATA

	D75VA	DT08V
Supply voltage	220-240V	380-440V
50Hz - Phase	Single	Three
Speed	2 pole, 2850rpm	
Output power	0.75kW	
Full load current	7.5A	1.9A
Locked rotor current	22.5A	10.5A
Insulation class	Class F	
IP rating	X8	
Starting	CSCR	DOL
Electrical lead	H07RNF x 10m length	

INSTALLATION & PRIMING

Use a rope to position and retrieve the pump. Do not lower or retrieve the pump using the power lead as this may damage the cable entry seals, causing water leaks and unsafe operation.

Don't use this product for recirculating or filtering swimming pools, spas, etc. While these pumps are built to high safety standards, they are not approved for installations where people will be in the water while they are operating.

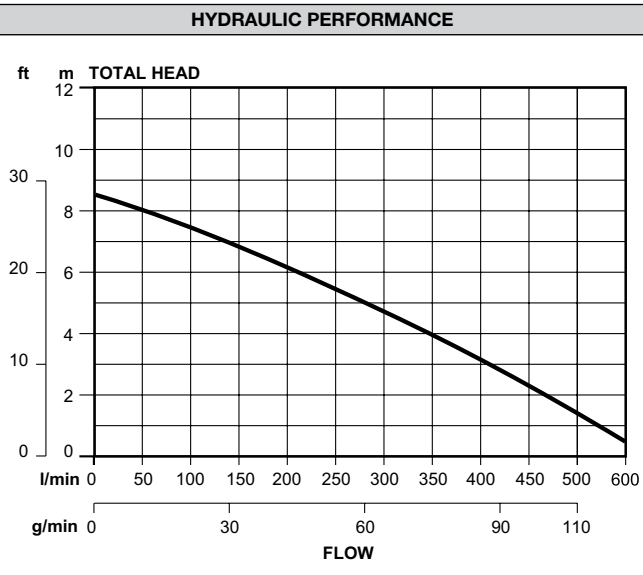
Don't pump abrasive materials. Sand and grit in the water being pumped will accelerate wear, causing shortened pump life.

Keep your pump clean, particularly in situations where lint, hair or fibrous materials may get bound around the pump shaft. Regular inspection and cleaning will extend pump life.

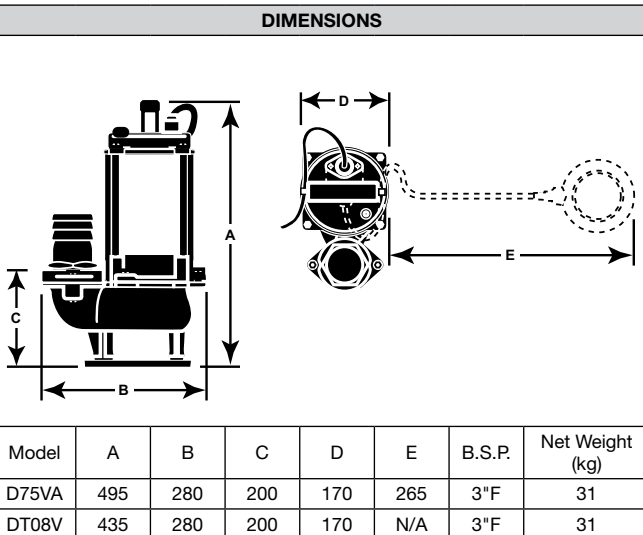
Make room for the float switch to operate. Automatic models have a float switch to turn them on when the water level rises and turn them off again when it has been pumped down to the safe operating level of the pump. If the float switch is not free to rise and fall, correct pump operation may not be possible.

Don't run your pump dry. Non-automatic models must be switched off manually or by way of an external float/level switch when the water level is reduced to the top of the pump housing.

HYDRAULIC PERFORMANCE



DIMENSIONS



All dimensions in mm unless otherwise stated.