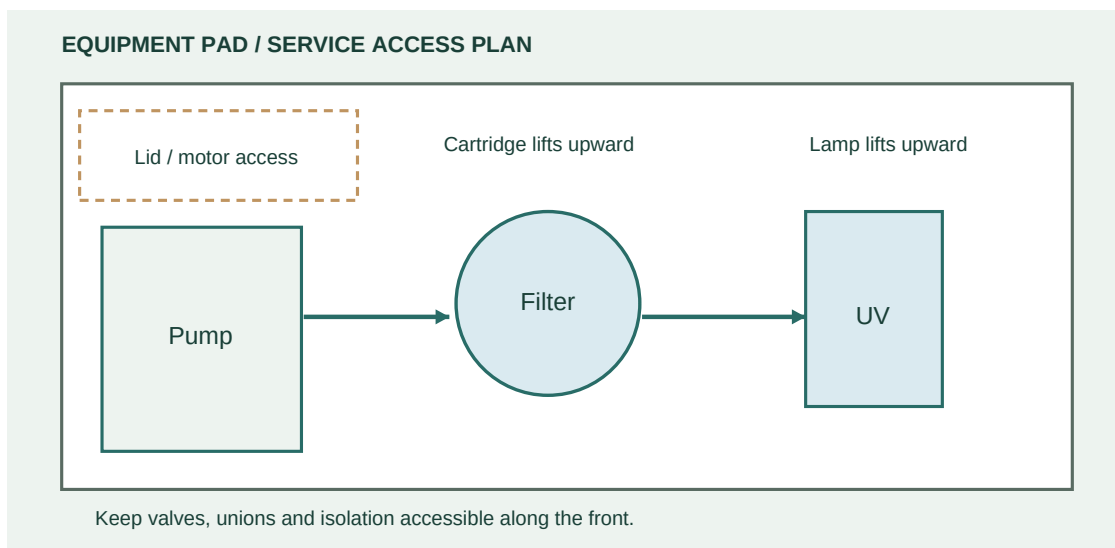


TRU BLU / PRACTICAL INSTALLATION SERIES

Pump, filter, UV & heating

Plan the service space before fixing the equipment.



Work through this manual

Page	Stage
2	Lay out the equipment station
3	Mount and prime the pump
4	Give the cartridge room to come out
5	Install the vertical UV chamber
6	Reserve airflow for the Hi35
7	Commission the heating option

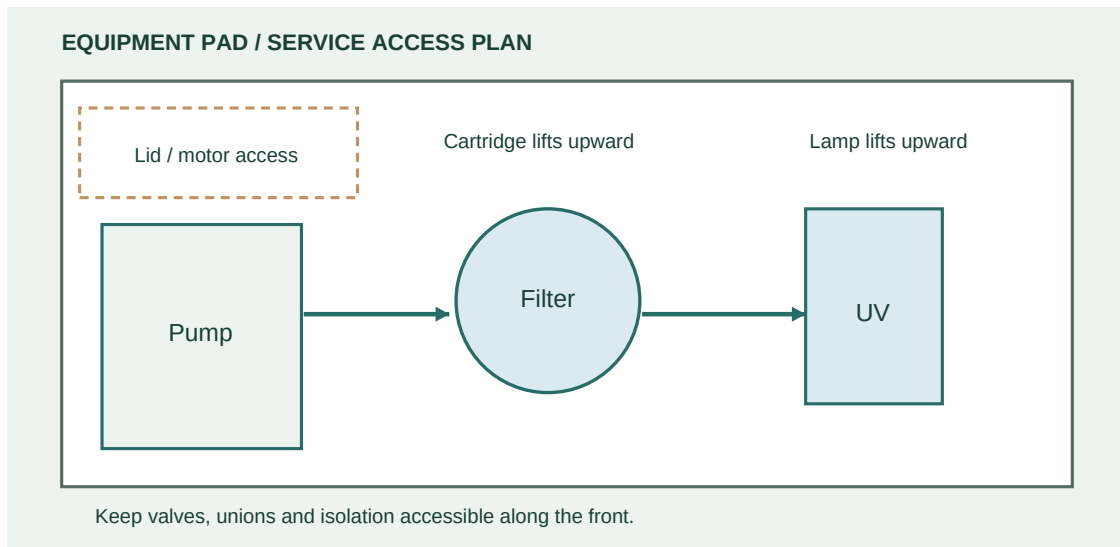
Have these ready

Equipment manuals and supplied connection layout | Tape measure and level | Compatible pipework, supports and unions | Licensed electrician for supply and bonding

Use with your supplied pool construction detail and equipment instructions. Dimensions on functional diagrams are not drilling templates. DIY assembly is supported; electrical work requires a licensed electrician.

01 / PUMP, FILTER, UV & HEATING

Lay out the equipment station

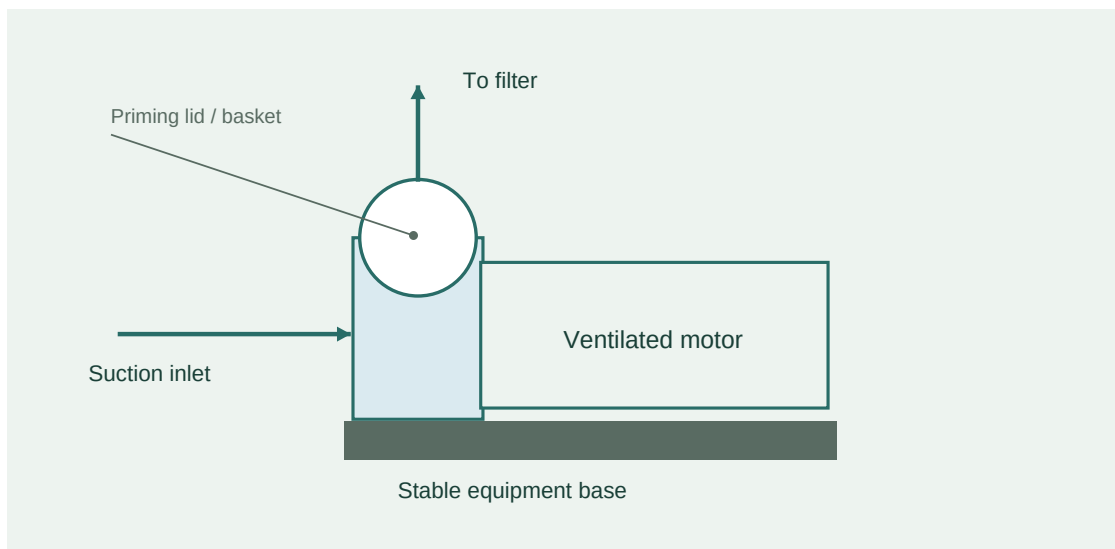


1. Place the pump, filter and UV where each service part can be reached. Mark the actual equipment footprints on the pad before drilling or gluing.
2. Keep the pump motor ventilated and the equipment area drained. Avoid roof runoff, persistent flooding and enclosed chemical storage.
3. Keep isolation valves and unions on accessible faces. Leave room to lift lids and remove components.
4. Plan cables and electrical isolation with the electrician. Equipment must not create a climbable route past the pool barrier.

The equipment-pad size follows the actual service envelopes. A generic rectangle is not sufficient if a lid or lamp cannot be removed.

02 / PUMP, FILTER, UV & HEATING

Mount and prime the pump



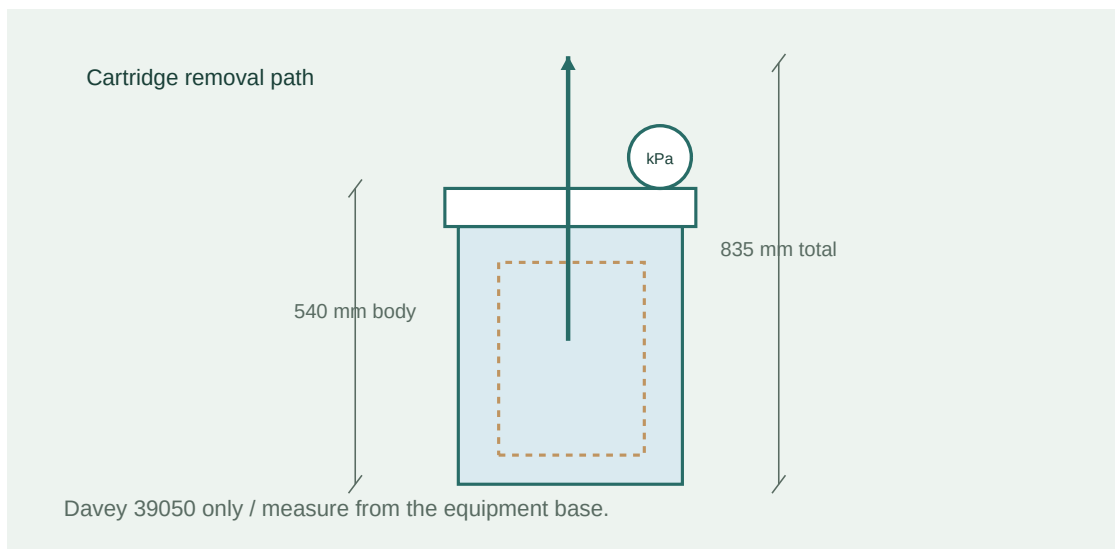
1. Inspect the supplied pump, basket, lid seal and unions. Place it securely on the level pad without pipe strain.
2. Connect suction to the inlet and discharge to the filter. Align the pipework; do not force the pump unions into position.
3. Before first operation, fill the priming chamber as directed in the pump manual, fit the lid seal correctly and open the circulation path.
4. Have the electrical supply and required bonding completed by the licensed electrician. Start only when primed; stop if it fails to establish circulation.

Job check / record	Result
Pump model / serial	_____
Priming completed	_____
Supply certificate reference	_____

The prototype pump was a Davey Whisper W500. Match the installed pump model to its supplied operating instructions.

03 / PUMP, FILTER, UV & HEATING

Give the cartridge room to come out



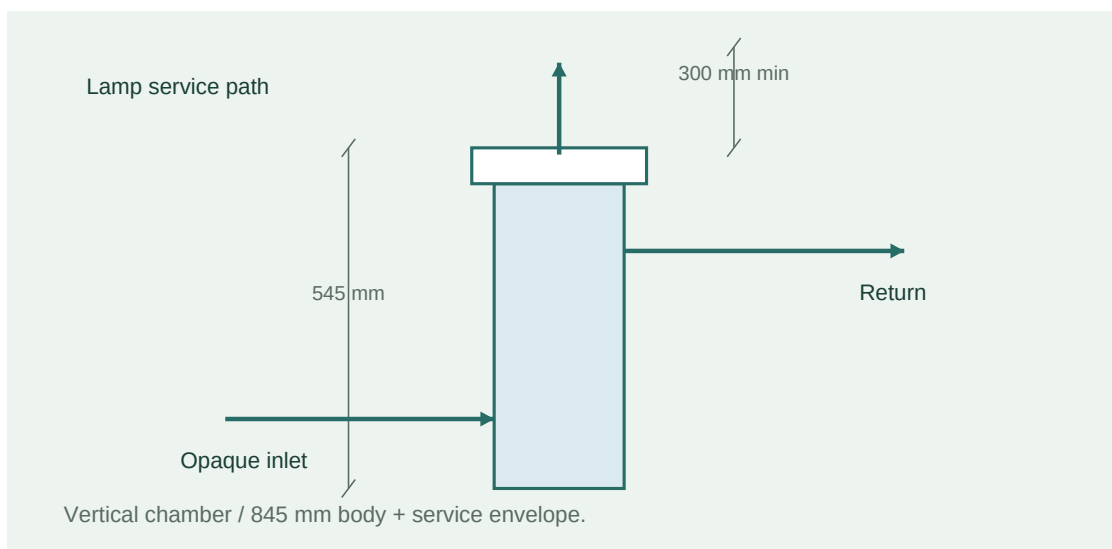
1. For Davey CrystalClear 39050, reserve 835 mm total height from the base for cartridge removal. The body height is 540 mm. Leave useful access around the lid and gauge.
2. Orient the chosen INLET toward pump discharge and connect OUTLET to the filtered return circuit. Close the unused inlet with the supplied cap.
3. Use the supplied O-ring unions, clean seals and hand tightening. Support both pipe runs independently.
4. Bleed trapped air during startup according to the filter manual and record the clean-filter pressure.

Job check / record	Result
Filter model / serial	_____
Clean-filter pressure (kPa)	_____
Cartridge-removal space checked	_____

Dimensions shown are for 39050 only. A replacement model can have a different service envelope.

04 / PUMP, FILTER, UV & HEATING

Install the vertical UV chamber



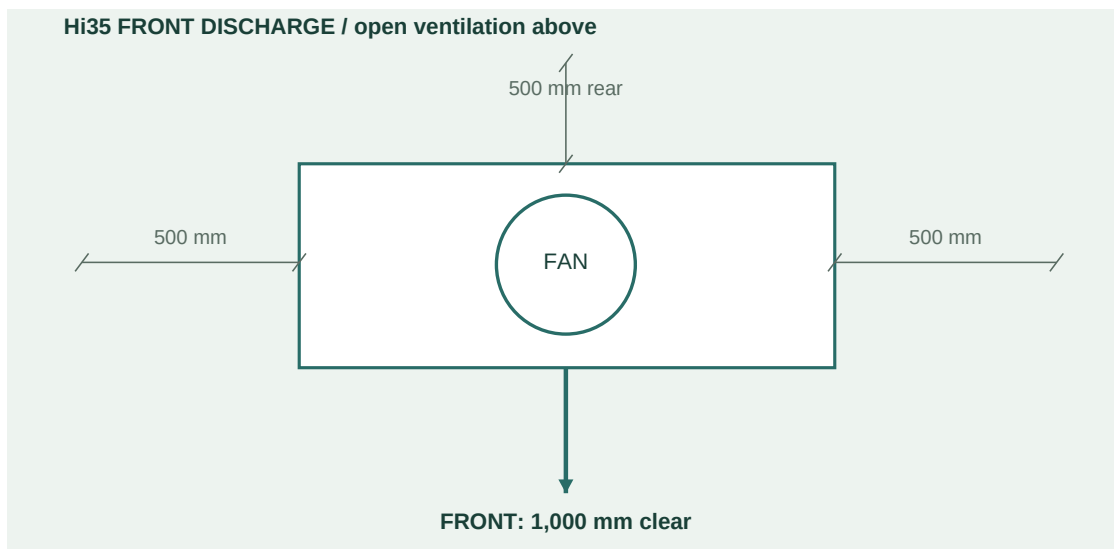
1. Put Insrg Ui in the filtered return line before any other sanitising device. Keep the chamber vertical and the inlet pipe opaque.
2. Leave at least 300 mm clear above its top. A 545 mm chamber plus that clearance occupies 845 mm before mounting offsets or pipework.
3. Mount the ballast under shelter; keep connections accessible. Arrange protected power and coordinated pump/UV operation with the electrician.
4. Complete the wet leak check before enabling UV. Keep the housing assembled and never look at an exposed operating UV lamp.

Job check / record	Result
UV model / serial	_____
Overhead clearance measured	_____
Pump / UV timer coordination	_____

Mount the ballast securely under shelter and beyond splash exposure, with its leads and isolation accessible.

05 / PUMP, FILTER, UV & HEATING

Reserve airflow for the Hi35



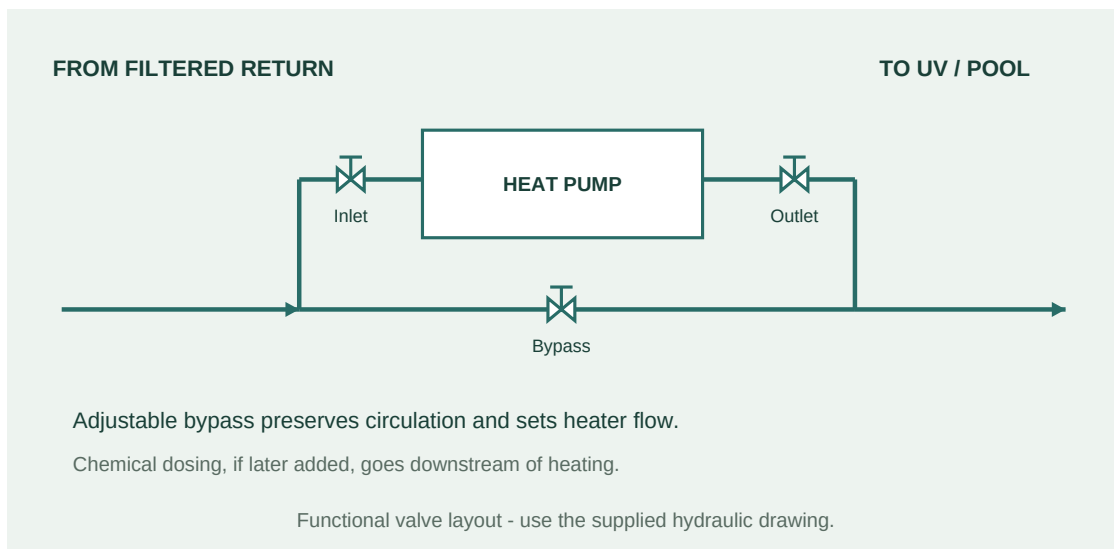
1. For the front-discharge Hi35 manual 250926, keep at least 1,000 mm clear in front and 500 mm at each side and behind, with open ventilation above.
2. Orient discharge away from nearby obstructions and avoid cold-air recirculation. Keep routine service access as well as airflow space.
3. Set the unit level and provide condensate drainage. Do not carry or lift it by its water unions.
4. Arrange licensed electrical connection. Refrigerant work belongs to qualified refrigeration personnel.

Job check / record	Result
Heat pump model / discharge type	_____
Front / side / rear clearances	_____
Condensate route	_____

These clearances apply to the referenced front-discharge range, not a top-discharge model.

06 / PUMP, FILTER, UV & HEATING

Commission the heating option



1. Start circulation and check water flow before enabling the heater. Inspect its unions and bypass for leaks.
2. Set the supplied bypass so the heater receives its model-required flow. Record inlet and outlet readings once operation is stable.
3. Check that loss of circulation stops heating, following the manufacturer commissioning procedure. Restore the normal operating settings.
4. Record model, serial, setpoint and bypass position. Keep controls accessible and show the owner how to isolate the heater safely.

Job check / record	Result
Inlet / outlet water temperatures	_____
Bypass setting / setpoint	_____
Flow-stop check	_____
Commissioning date / installer	_____

Use the heat-pump manual for its operating range and flow adjustment; pool diameter alone does not determine the bypass setting.

Technical references

Davey CrystalClear 39050 manual: dimensions, p.7. | Insnrg Ui manual, August 2024: installation, pp.8-9. | Insnrg Hi Front Discharge manual 250926: installation, pp.20-25.

[Davey CrystalClear manual - open official instructions](#)

[Insnrg equipment manuals - open official instructions](#)