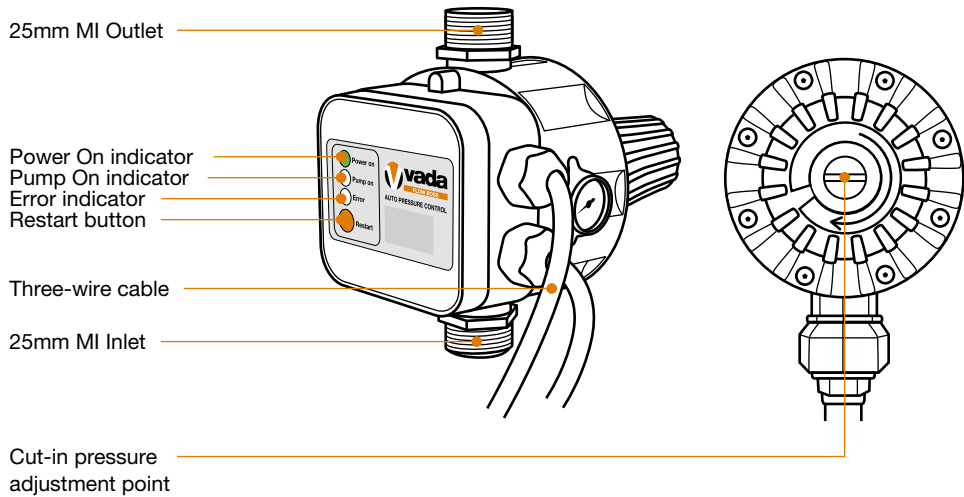


THANK YOU



Thank you for purchasing a Vada Flow Boss Auto Pressure Control. Designed with an LED light panel to signal the state of operation, a built in pressure gauge to allow for adjustable cut-in pressure and a 24 hour reset function for hassle free operation.



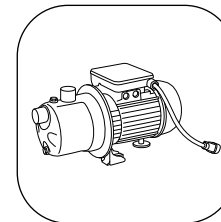
SPECIFICATIONS

- Inlet: 25mm MI
- Outlet: 25mm MI
- Max operating pressure: 1000kPa / 10 bar
- Minimum pump pressure: 250kPa / 2.5 bar
- Min-max water temperature: 1°C-65°C
- Min-max ambient temperature: 1°C-40°C
- Supply voltage: 1~240V 50Hz
- Cut-in pressure: 150-300kPa / 1.5-3bar
- Max power: 1.5kW
- Max current: 10A
- IP rating: IP65

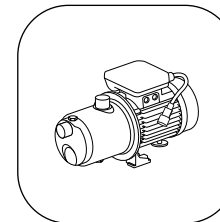
HELPFUL HINTS

- Use a pump cover to protect your setup from the elements and increase its lifespan.
- If installing with a Vada Flow Boss Mechanical Water Switching Unit, you will require a flathead screwdriver to adjust the cut-in pressure. Please use thread tape.
- Ensure your pump setup is equipped with two isolation valves. This allows for fuss free troubleshooting should you need it.
- If you are switching from tank to mains water, you will also need to install a Vada Flow Boss Mechanical Water Switching Unit (VFB-MSU).

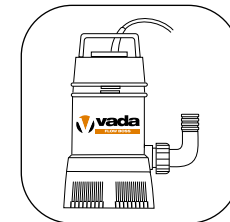
COMPATIBLE VADA PRODUCTS:



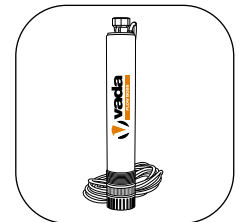
- Vada Flow Boss Jet Pump
VFB-J40
VFB-J60
VFB-J90



- Vada Flow Boss Horizontal Multistage Pump
VFB-HM80
VFB-HM110

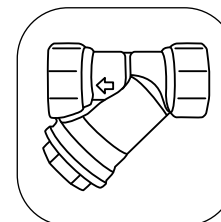


- Vada Flow Boss Submersible Pump
VFB-S35

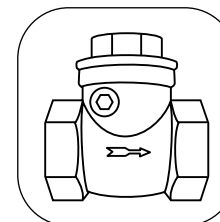


- Vada Flow Boss Submersible Pump
VFB-S75

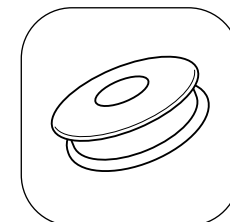
ADDITIONAL PRODUCTS REQUIRED FOR INSTALLATION:



- Y-Strainer (AKA Inline Strainer)



- Swing check valve



- Thread tape



- Pump cover

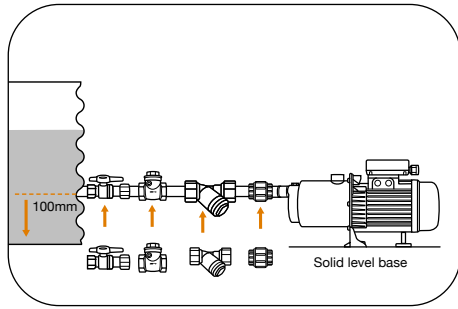
INSTALLATION



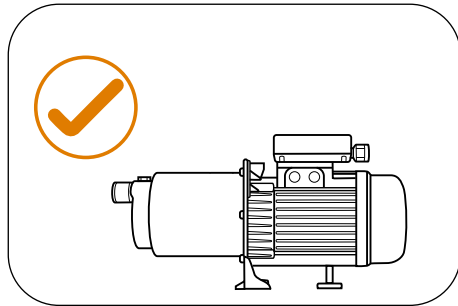
If you are installing a Vada Flow Boss Pump with a Vada Flow Boss Auto Pressure Control (VFB-APC), follow steps 1-7.

If you are installing a Vada Flow Boss Pump with a Vada Flow Boss Auto Pressure Control and Vada Flow Boss Mechanical Water Switching Unit, follow steps 1-14.

1. Set up the suction line installing an isolation valve, swing check valve, y-strainer and barrel union for optimal performance and easy maintenance.

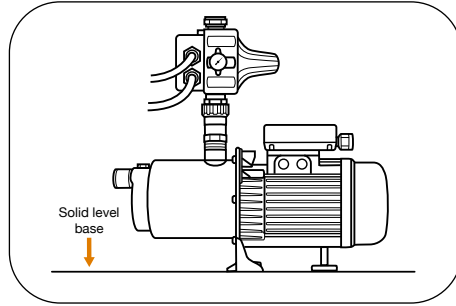


2. Ensure your pump is primed.



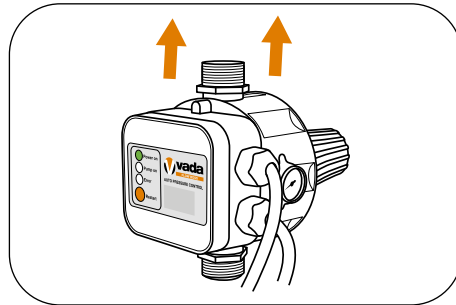
Note: Refer to your pump manual for instructions on how to prime a pump.

3. Connect the VFB-APC to the pump either directly with a 25mm barrel union or between the pump and the first outlet. Use thread tape to ensure a watertight seal.

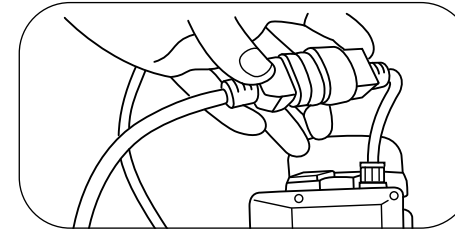


Note: The pipe/hose must have an internal diameter equal or larger than the outlet port of the pump.

4. Check your set up, ensuring the VFB-APC is installed with the arrows in the up position.

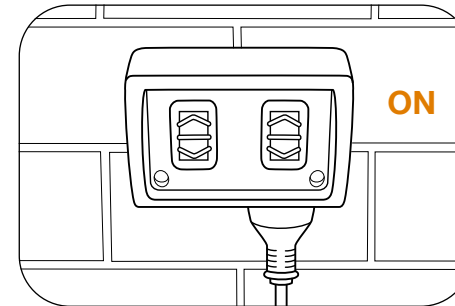


5. Connect the IEC plug cord on the VFB-APC to the IEC socket on the pump by pushing them firmly into each other. Ensure there are no water traces on the connectors.

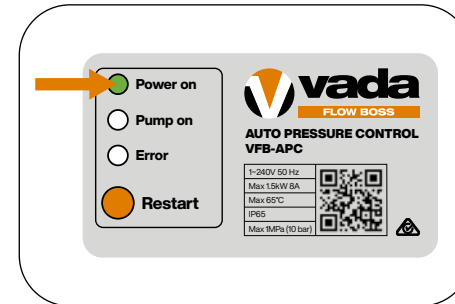


If you are installing a Vada Flow Boss Mechanical Water Switching Unit skip to step 8.

6. Plug the power lead in to the power point and turn the switch on.

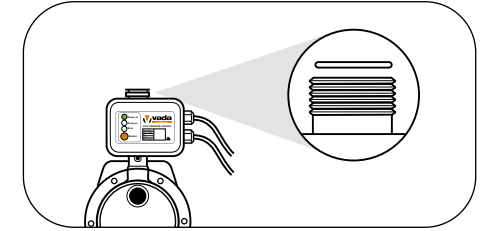


7. The green 'Power On' LED will illuminate. If you are using a Tank Only system, then you are ready to operate the pump.

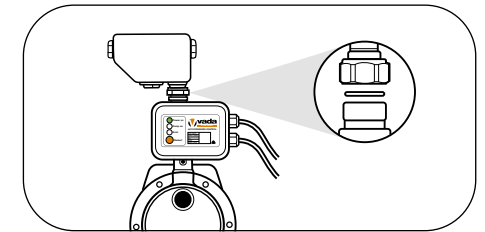


If you are using a MSU continue to step 8. Ensure you have selected the correctly sized MSU for your pump application.

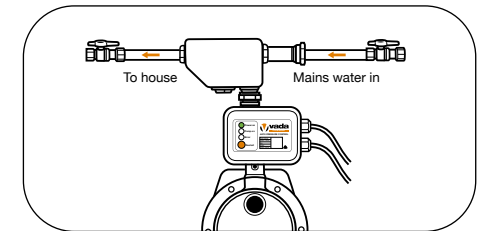
8. Grab the rubber washer supplied with the VFB-MSU and place it on top of the Auto Pressure Control (VFB-APC) outlet.



9. Hold the Mechanical Switching Unit (VFB-MSU) over the outlet and connect the loose nut. Do not overtighten. The rubber washer will lock this in place.



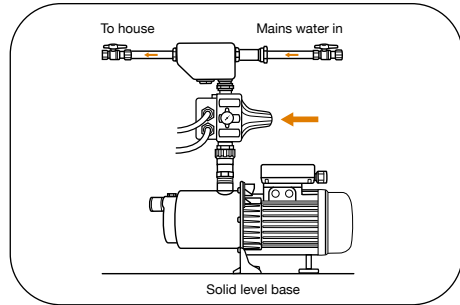
10. Connect the mains water pipe to the VFB-MSU inlet labelled "mains in". Connect the house water pipe to the VFB-MSU outlet labelled "to house".



Note: For easy maintenance, add an isolation valve into both lines.

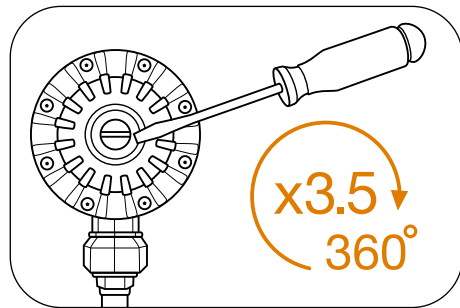
INSTALLATION

11. Prepare to adjust the cut-in pressure by locating the adjustment screw at the back of the VFB-APC.



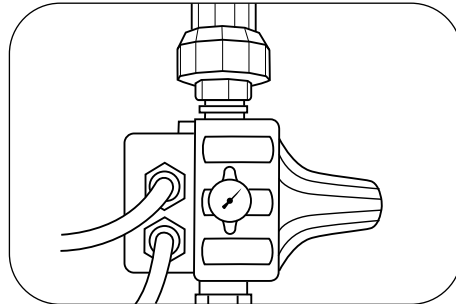
Note: Adjusting the cut-in pressure from the default of 150kPa (1.5bar) to 220kPa (2.2Bar) allows for a smooth, more reliable changeover between tank and mains water.

12. Using a flat head screwdriver, turn the adjustment screw clockwise until you reach the correct pressure (approx 3.5 full 360° turns).

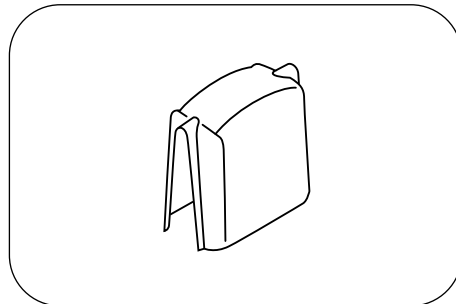


Note: If you are having trouble turning the adjustment screw, turn the power off. Isolate the Mains water supply line. Open the tap to discharge some water to release the pressure from within the system. You should now be able to turn the adjustment screw.

13. Confirm the pressure has been correctly adjusted by slowly opening a tap outlet and checking the gauge on the side of the VFB-APC. If the pump turns on when gauge drops to 2.2 bar, the cut-in pressure has been successfully adjusted.



14. Fit a pump cover to protect your setup from the elements and increase product lifespan.

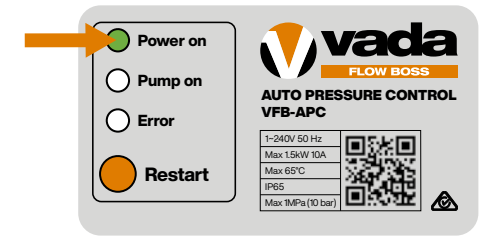


INTERPRETING THE APC



Green light

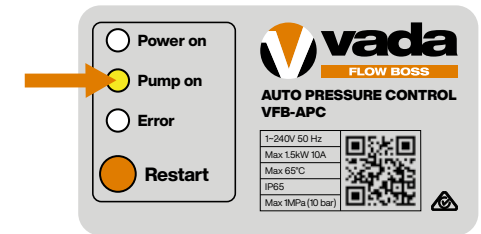
The pump is connected to the power supply successfully.



Yellow light

The connected pump is operating.

Note: On initial start up the pump will run until the discharge line is primed to remove all air.

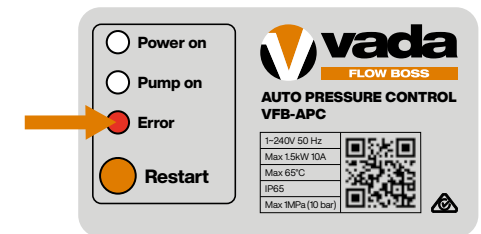


Red light

Flashing red: Loss of flow detected. While the red light is flashing, the pump will remain on for 20 seconds, then turn off as it tries to re-prime itself. It will attempt this several times.

Solid red: The pump has not been able to detect water and cannot re-prime itself. The pump will turn off for 24 hours, or until reset.

To reset, turn the power off, then on or press the restart button.

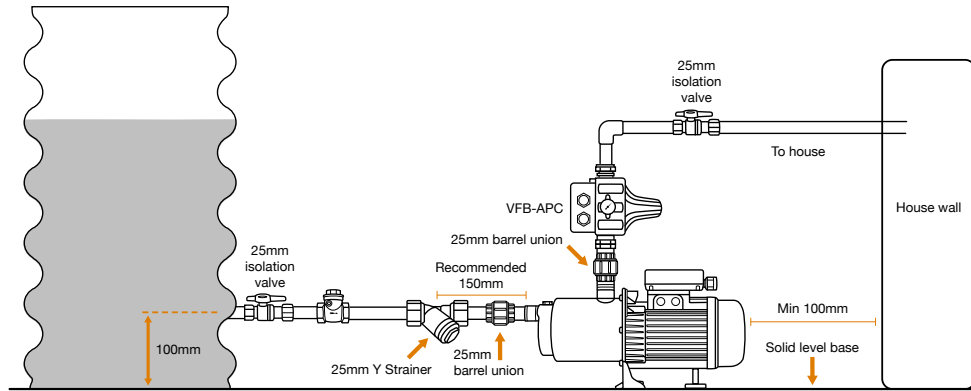


FLOW BOSS SET UP OPTIONS



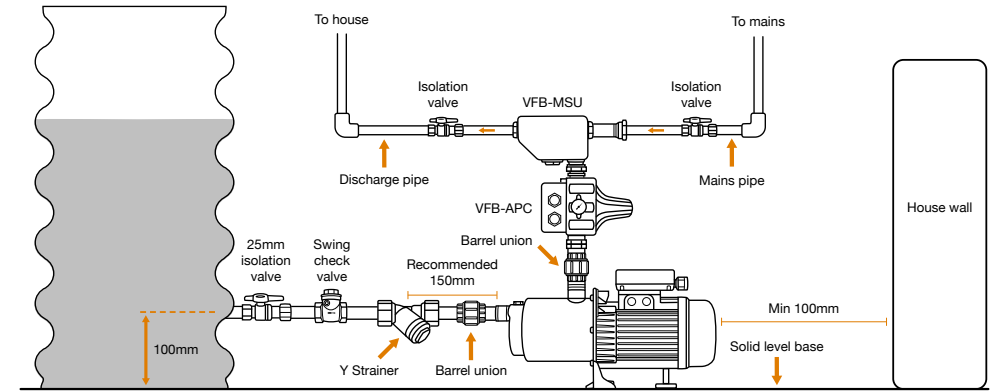
OPTION 1: ABOVE GROUND FLOW BOSS SET UP

- Vada Flow Boss Jet Pump VFB-J40, VFB-J60, VFB-J90 or Horizontal Multistage Pump VFB-HM80, VFB-HM110
- Vada Flow Boss Auto Pressure Control VFB-APC



OPTION 2: ABOVE GROUND FLOW BOSS SET UP

- Vada Flow Boss Jet Pump VFB-J40, VFB-J60, VFB-J90 or Horizontal Multistage Pump VFB-HM80, VFB-HM110
- Vada Flow Boss Auto Pressure Control VFB-APC
- Vada Flow Boss Mechanical Switching Unit VFB-MSU (20 or 25mm)

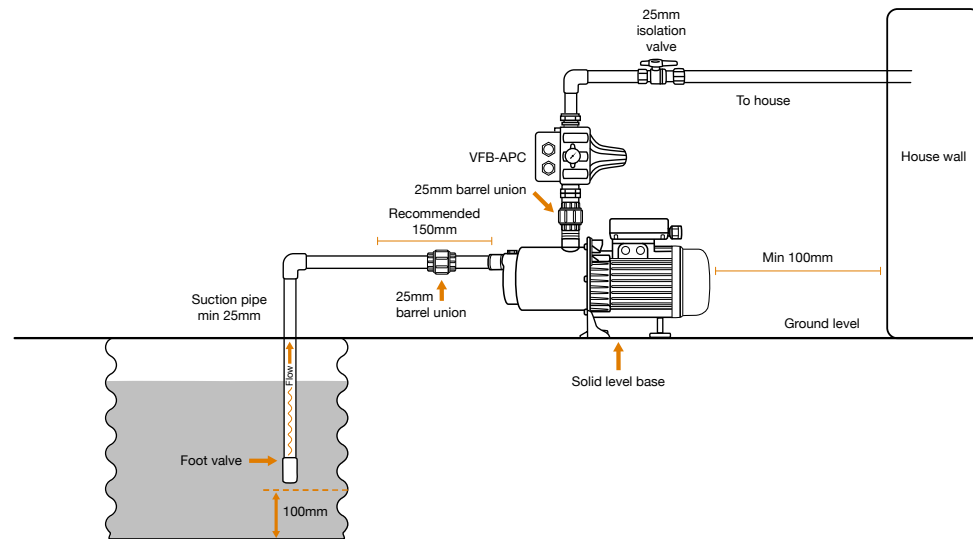


FLOW BOSS SET UP OPTIONS



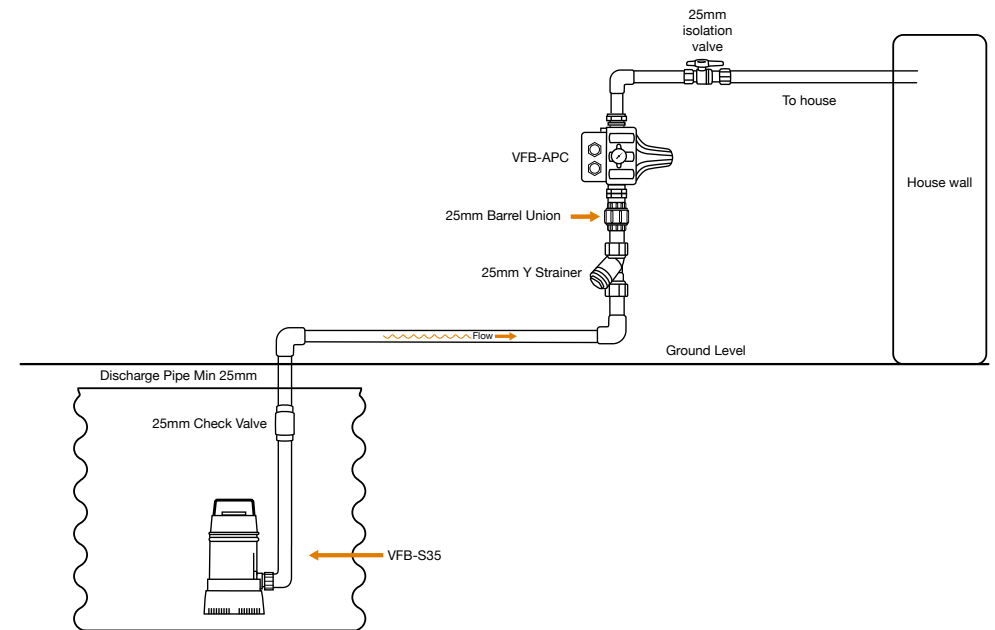
OPTION 3: BELOW GROUND FLOW BOSS SET UP

- Vada Flow Boss Jet Pump VFB-J40, VFB-J60, VFB-J90 or Horizontal Multistage Pump VFB-HM80, VFB-HM110
- Vada Flow Boss Auto Pressure Control VFB-APC
- Vada Flow Boss Mechanical Switching Unit VFB-MSU (20 or 25mm)



OPTION 4: BELOW GROUND FLOW BOSS SET UP

- Vada Flow Boss Submersible Pump VFB-S35
- Vada Flow Boss Auto Pressure Control VFB-APC



FLOW BOSS SET UP OPTIONS

OPTION 5: BELOW GROUND FLOW BOSS SET UP

- Vada Flow Boss Submersible Pump VFB-S75
- Vada Flow Boss Auto Pressure Control VFB-APC
- Vada Flow Boss Mechanical Switching Unit VFB-MSU25

