

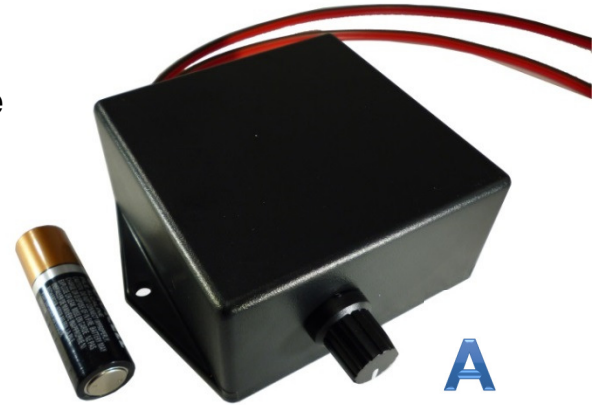
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PWM Variable Flow Controller

Our VFC products are NOT compatible with our brushless pumps!

Features

- ABS case with mounting holes where applicable
- Circuit design: pulse width modulation (PWM)
- AC adapter included with VFC5D
- Manual speed adjustment, all models
- PLC compatible – see chart for models
- 0 – 5 volt PLC control voltage where applicable
- Works with most brushed DC Motors



Features and Specifications by Model

Model No.	With Case?	On Off Switch?	With Fuse?	Max Current	Lead AWG	Lead Length	Description
VFC3	Yes	Yes	No	3 amp	24 AWG	10 inch	Potentiometer control with on/off switch
VFC10	Yes	No	Yes	10 amp	18 AWG	24 inch	Manual speed control using potentiometer
VFC5	Yes	No	Yes	5 amp	24 AWG	32 inch	
VFCR	No	No	Yes	10 amp	NA	NA	Raw circuit - no leads - potentiometer or PLC
VFC30	Yes	Yes	No	30 amp	NA	NA	Potentiometer control with on/off switch - no leads
VFC10D	Yes	No	Yes	10 amp	18 AWG	24 inch	Manual or PLC speed control, select either PLC input or potentiometer using toggle switch
VFC5D	Yes	No	Yes	5 amp	24 AWG	32 inch	Manual or PLC speed control, select either PLC input or potentiometer using toggle switch - DC input jack with power adapter

Model No.	Dimensions in Inches	Photo	Weight Ounces
VFC3	3.00 x 1.560 x 1.00	C	1.5
VFC10	3.875 x 3.875 x 1.50	A	6.0
VFC5		A	6.0
VFCR	2.325 x 2.525 x 1.250	B	2.0
VFC30	4.750 x 2.210 x 1.610	D	5.0
VFC10D	3.875 x 3.875 x 1.50	A	6.0
VFC5D	3.875 x 3.875 x 1.50	A	~12.0



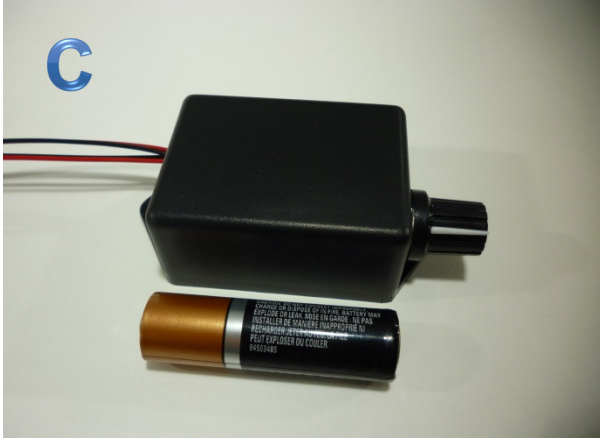
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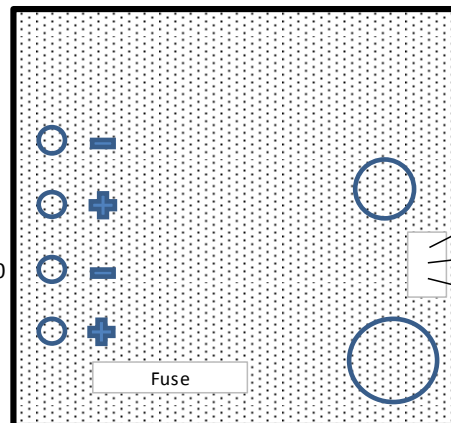
Why use a PWM Controller?

The most common alternative to using a PWM circuit to control the speed of a typical DC motor is simply to lower the DC voltage. However, a significant amount of motor torque will be lost as motor speed is decreased. With a PWM circuit, very little torque is lost. Additionally, our PWM controller provides compatibility with programmable logic controllers (PLC).

Connections for Model VFCR

Output to DC motor or pump. Load should not exceed 10 amp. Use appropriate wire AWG

DC Input Voltage. Do not exceed 90 VDC. Do not exceed rated voltage of the motor or pump.



These 3 leads can alternatively connect to a 10K potentiometer for manual speed control. Connect white wire to center tap of pot.

Black - Do not connect this wire if using an external 5 volt signal to control speed

White - Positive side of external 5 volt signal to control speed

Red - Negative side of external 5 volt signal to control speed



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