

# PWM In-Line Inverter

The PWM is an innovative system that can be used with a variation of pump types including multistage, single stage, surface and submersible pumps.

The PWM is energy-saving, silent running, compact, and can extend the life of the pump.

The PWM has been designed to vary the frequency (Hz) of the pump in order to keep the hydraulic system at a constant pressure. When the flow increases, the speed of the motor increases to maintain a constant pressure.

The interface is user-friendly, allowing easy use to calibrate pressure set points, view error messages and settings.

The PWM comprises an inverter, a pressure sensor and a flow sensor. These items are built into a unique box that is compact, therefore allowing easy installation.



The PWM works directly on the hydraulic manifold and must be installed on the discharge pipeline of the booster set or pump.

Model	PWM2301B/4.3	PWM2301B/8.5	PWM2303B	PWM230D	PWM400D/7.5	PWM400D/13.3
<b>Power supply</b>	230V single phase				400V three phase	
<b>Pump motor type</b>	230V single phase			400V three phase		
<b>Max current</b>	4.3A	8.5A	4.5A	9.3A	7.5A	13.3A
<b>Motor power (approx)</b>	0.55kw	1.1kw	1.1kw	2.2kw	3kw	5.5kw
<b>Max water temp</b>	50			45		
<b>Max water pressure</b>	8 Bar	10				
<b>Set pressure range</b>	1 – 3.6 Bar	1 – 6 Bar	1 – 9 Bar			
<b>Inlet</b>	1 1/4" BSP M					
<b>Outlet</b>	1 1/2" BSP F					
<b>Protection</b>	IP55					
<b>Volt-free contacts</b>	N/A			2 (Fault and pump running)		
<b>Set point</b>	1			2		
<b>Digital input</b>	N/A			1. Float switch		
				2. 2nd set point		
				3. Enable		
<b>Connectivity</b>	N/A			RS 485		
<b>Status protections</b>	1. Dry running			1. Dry running		
	2. Over current			2. Over current		
	3. Over temperature			3. Over temperature		
				4. Supply voltage out of range		
<b>Price</b>	<b>356</b>	<b>416</b>	<b>402</b>	<b>574</b>	<b>1,044</b>	<b>1,276</b>