



## PWM 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 of 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	PWM 230-1/4.3	PWM 230-1/8.5	PWM 230-3/4.5	PWM 230-D/9.3	PWM 400-D/7.5	PWM 400-D/13.3
POWER SUPPLY	230 V SINGLE PHASE				400V THREE PHASE	
PUMP MOTOR TYPE	230V SINGLE PHASE			400 V THREE PHASE		
MAX CURRENT	4.3 A	8.5 A	4.5 A	10.5 A	7.5 A	13.3 A
MOTOR POWER (APPROX)	0.55 kW	1.1 kW	1 kW	2.2 kW	3 kW	5.5 kW
MAX WATER TEMP	50			45		
MAX WATER PRESSURE	8 BAR	10 BAR				
SET PRESSURE RANGE	1 - 3.6 BAR	1 - 6 BAR	1 - 9 BAR			
INLET	1 1/4" BSP M					
OUTLET	1 1/2" BSP F					
PROTECTION	IP55					
VOLT FREE CONTACTS	N/A			2 (FAULT & PUMP RUNNING)		
SET POINT	1			2		
DIGITAL INPUT	N/A			1. FLOAT SWITCH		
				2. 2ND SET POINT		
				3. ENABLE		
CONNECTIVITY	N/A			RS 485		
STATUS PROTECTIONS	1. DRY RUNNING			1. DRY RUNNING		
	2. OVERCURRENT			2. OVERCURRENT		
	3. OVER TEMPERATURE			3. OVER TEMPERATURE		
				4. SUPPLY VOLTAGE OUT OF RANGE		