

ARDUINO CONTROL I/O

DIGITAL:	DEVICE	BUTTON	PWM	VOLTAGE	RESISTOR	TRANSISTOR	CAPACITOR
1 (tx)	X						0.2pF to 100uF
2 (rx)	PUMP BUTTON (ON/OFF)	YES			10K PULLDOWN		YES
3~	PUMP PWM		YES				
4	VALVE BUTTON (ON/OFF)	YES			10K PULLDOWN		YES
5~	PUMP BUTTON LED RING		YES	12V	10K PULLDOWN	MOSFET N	
6~	FAN BUTTON LED RING		YES	12V	10K PULLDOWN	MOSFET N	
7	PUMP RELAY						
8	SAFETY VALVE			12V			
9~	VALVE BUTTON LED RING			12V	10K PULLDOWN	MOSFET N	
10~	FAN PWM		YES				
11~	VALVE PWM		YES				
12	FAN RELAY						
13	FAN BUTTON (ON/OFF)	YES			10K PULLDOWN		YES
ANALOG IN:							
A0	FLOW SENSOR 1			5V			
A1	FLOW SENSOR 2			5V			
A2	FLOW SENSOR 3			5V			
A3	POTENTIOMETER 1			5V	10K PULLDOWN		
A4	POTENTIOMETER 2			5V	10K PULLDOWN		
A5	POTENTIOMETER 3			5V	10K PULLDOWN		

YES
NO

5V
12V