



Swiwin Turbojet Equipment

<http://jetskyfly.com/>
 jetskyfly@163.com
 mini jet limited

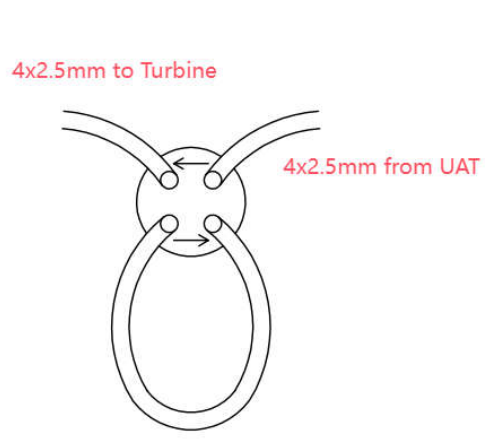
SWP50D Brushless pump



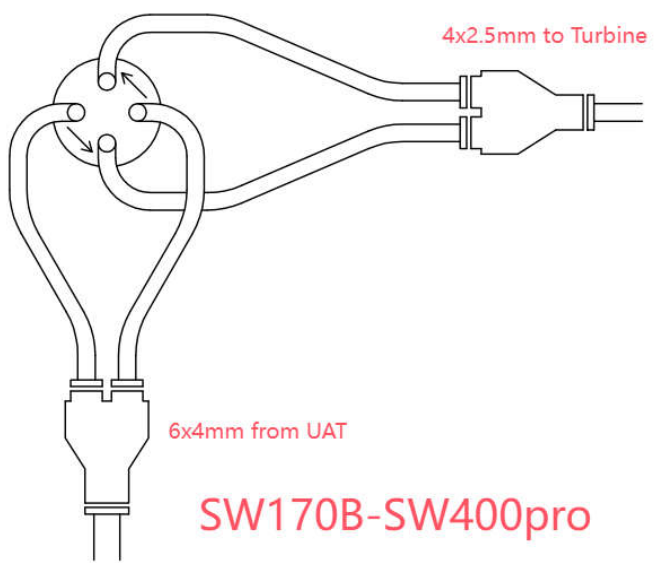
Length	56mm	
Height	29mm	
Weight	120g	
Motor type	3 wire DC Brushless	
Motor Spec	1810-2400KV	
Max power	54W	
Voltage range	3S-4S lipo	
Max flow rate	50L/hr	
Max pressure	12 Bar	
Temp range	-40C – 50C	
Max rpm	35520 rpm/min	
Tube fitter	Use 4x2.5 mm PU tube	
Connector	MR30-M	



Different connection provide difference flow rate



SW60B-SW140B



SW170B-SW400pro

Mode 1: one in / one out



Test voltage 3S Lipo battery (11.1V)

Motor power (30% PWM)

Pressure (Bar)	Current (Amp)	Motor power (Watt)	Flow rate (ml/min)
0	1.70	18.8	600
2	1.79	19.8	550
3	1.89	20.9	520
4	1.94	21.5	480
5	2.04	22.6	420
6	2.10	23.3	390

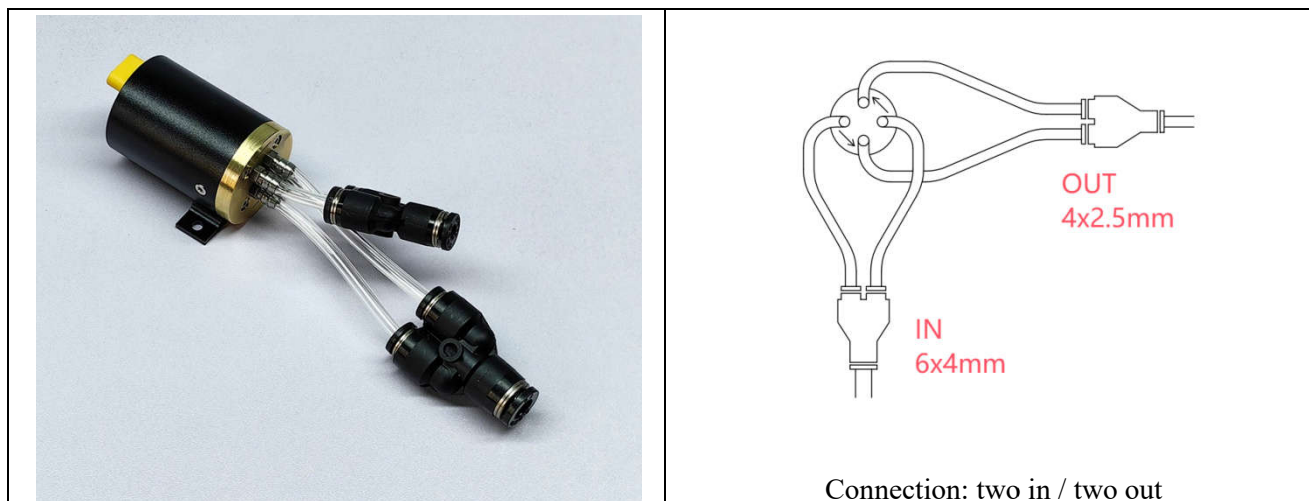
Motor power (50% PWM)

Pressure (Bar)	Current (Amp)	Motor power (Watt)	Flow rate (ml/min)
0	2.22	24.6	700
2	2.34	25.9	660
3	2.63	29.1	630
4	2.72	30.1	600
5	2.83	31.4	540
6	2.97	32.9	500

Motor power (100% PWM)

Pressure (Bar)	Current (Amp)	Motor power (Watt)	Flow rate (ml/min)
0	2.83	31.4	800
2	3.03	33.6	780
3	3.22	35.7	750
4	3.38	37.5	725
5	3.52	39.0	700
6	3.66	40.6	660

Mode 2: two in / two out



Test voltage 3S Lipo battery (11.1V)

Motor power (30% PWM)

Pressure (Bar)	Current (Amp)	Motor power (Watt)	Flow rate (ml/min)
0	2.04	22.6	1100
2	2.06	22.8	990
3	2.14	23.7	850
4	2.22	24.6	750
5	2.27	25.1	600
6	2.35	26.0	500

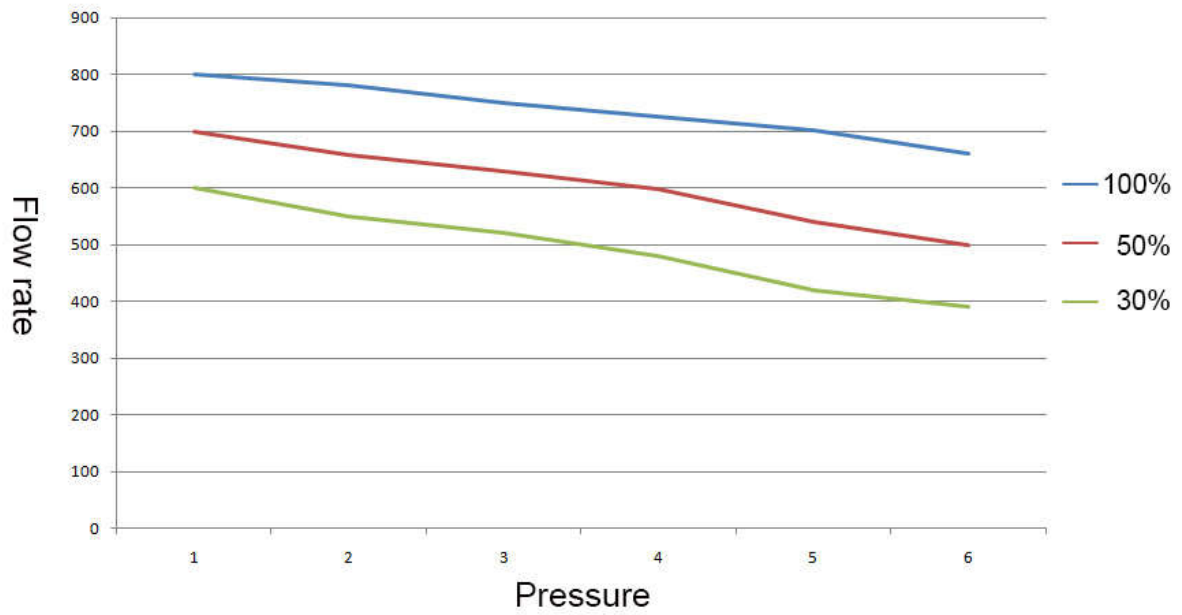
Motor power (50% PWM)

Pressure (Bar)	Current (Amp)	Motor power (Watt)	Flow rate (ml/min)
0	2.48	27.5	1140
2	2.62	29.0	1120
3	2.82	31.3	1080
4	2.98	33.0	1000
5	3.19	35.4	900
6	3.4	37.7	850

Motor power (100% PWM)

Pressure (Bar)	Current (Amp)	Motor power (Watt)	Flow rate (ml/min)
0	3.04	33.7	1200
2	3.28	36.4	1190
3	3.6	39.9	1180
4	3.9	43.2	1150
5	4.16	46.1	1120
6	4.37	48.5	1100

Mode 1: one in / one out



Mode 2: two in / two out

